



# Navigation System Owner's Manual

## ES 300h



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## Introduction

### Navigation system owner's manual

This manual explains the operation of the navigation system. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The screen shots in this document and the actual screens of the navigation system differ depending on whether the functions and/or a contract existed and the map data available at the time of producing this document.

The screens in this manual will also differ if the screen theme settings have been changed. (Theme setting: →P.58)

In some situations when changing between screens, it may take longer than normal for the screen to change, the screen may be blank momentarily or noise may be displayed.

Please be aware that the content of this manual may be different from the navigation system in some cases, such as when the system's software is updated.

The company names and product names appearing on this manual are trademarks and registered trademarks of their respective companies.

### Navigation system

The navigation system is one of the

most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses TomTom maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or "short cut" may at times be faster than the calculated routes.

The navigation system's database includes Point of Interest categories to allow you to easily select destinations such as restaurants and hotels. If a destination is not in the database, you can enter the street address close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in when approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.




Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on satellite conditions, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to page 115.

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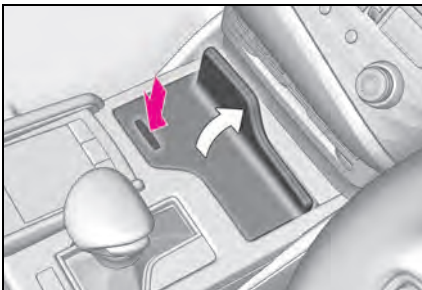
## Reading this manual



Explains symbols used in this manual

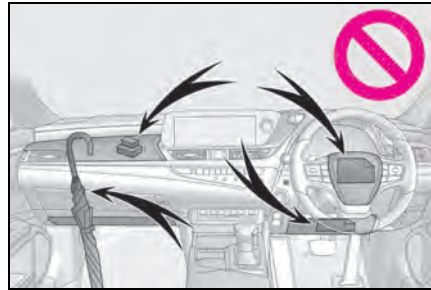
### Symbols in this manual



Symbols	Meanings
	<b>WARNING:</b> Explains something that, if not obeyed, could cause death or serious injury to people.
	<b>NOTICE:</b> Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
	Indicates operating or working procedures. Follow the steps in numerical order.

### Symbols in illustrations



Symbols	Meanings
	Indicates the action (pushing, turning, etc.) used to operate switches and other devices.
	Indicates the outcome of an operation (e.g. a lid opens).



Symbols	Meanings
	Indicates the component or position being explained.
	Means <b>Do not</b> , <b>Do not do this</b> , or <b>Do not let this happen</b> .

### Safety instruction

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to

the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed. Only when the vehicle is not moving, can the destination and route selection be done.



#### WARNING

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current position correctly,

there is a possibility of incorrect, late, or non-voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instructions from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it.

Under no circumstances is this system a substitute for the driver's personal judgement.

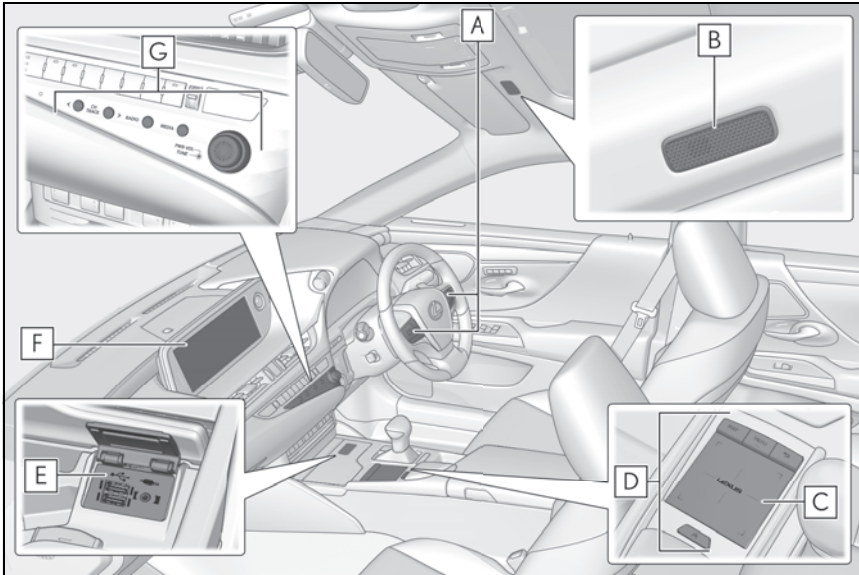
Use this system only in locations where it is legal to do so. Some areas may have laws prohibiting the use of navigation screens next to the driver.



**1-1. Basic function**Display and operation switches **12**Remote Touch..... **14**Menu screen..... **16**Split-screen..... **18**Sub menu..... **21**Status icon..... **21**"Setup" screen..... **23**Information screen ..... **24****1-2. Navigation operation**Operating the map screen ..... **25**Guiding the route ..... **26**Registering home..... **27**

## Display and operation switches

### Names of each part



- A** Steering switches (→P.149, 172, 234)
- B** Microphone (→P.172, 235)
- C** Touchpad (→P.31)
- D** Remote Touch (→P.14)
- E** USB/AUX port (→P.122)
- F** Display
- G** Audio control switch (→P.120)

- When the temperature is  $-20^{\circ}\text{C}$  or less, the navigation system may not operate.
- When the LCD screen is viewed at an angle, it looks lighter or darker.
- When light from the sun or another external light source strikes the screen, the screen is difficult to see.
- When wearing sunglasses with polarized lenses, the screen looks lighter or darker.

**WARNING**

- For safety reasons, drivers should avoid performing operations as much as possible while driving. Performing operations while driving may cause the driver to mistakenly operate the steering wheel, which may lead to an accident. Stop the vehicle before using. Furthermore, avoid looking at the screen as much as possible while driving.
- Always follow the actual traffic regulations and drive according to the road conditions. Routes displayed by the destination guidance may include routes where the vehicle is prohibited from entering due to changes to speed limit signs and routes where the road is too narrow to pass through.

**NOTICE**

- To prevent the 12-volt battery from becoming fully depleted, do not use the Remote Touch for long periods of time while the hybrid system is turned off.

**Software license for the 12.3-inch display**

Free / Open Source Software Information

This product contains Free / Open Source Software (FOSS).

The license information and / or the source code of such FOSS can be found at the following URL.

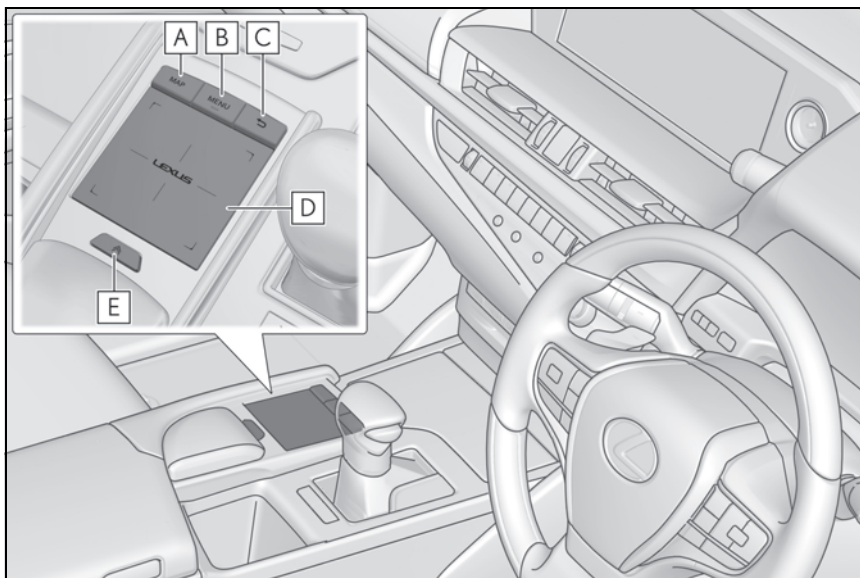
<http://www.globaldenso.com/en/opensource/ivi/toyota/>

## Remote Touch

The navigation system is primarily operated by the Remote Touch.

Remote Touch is the name for the device that includes the “MAP” button, “MENU” button, back button, touchpad and sub function button.

### Names and operations of each part



#### **A** “MAP” button

Press to display the current location. (→P.68, 70)

#### **B** “MENU” button

Press to display the menu screen. (→P.16)

#### **C** Back button


Press to display the previous screen.

#### **D** Touchpad

Operate to select/confirm a button on the screen. (→P.31)

Operate to scroll list screens and enlarge/shrink the map. (→P.33)



#### **E** Sub function button

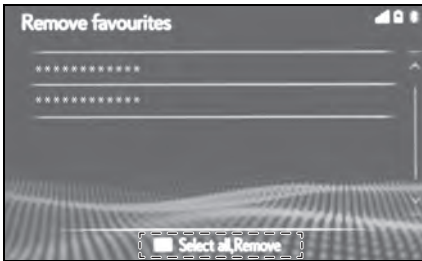
When  is displayed on the screen, a function screen assigned to the screen can be dis-

played. (→P.15)

### Using the sub function button

Optional functions assigned to the screen can be operated.

- 1 When the  is displayed on the screen, press the button  on the Remote Touch.



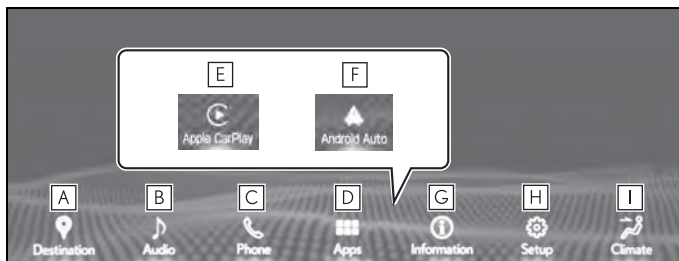
- 2 Select the desired item.



## Menu screen

### Menu screen operation

Press the “MENU” button on the Remote Touch to display the menu screen.



- A** Select to display the destination screen. (→P.79)
- B** Select to display the audio control screen. (→P.120)
- C** Select to display the hands-free control screen. (→P.232)  
When an Apple CarPlay connection is established, select to display the Phone app screen.<sup>\*1</sup>(→P.51)
- D** Select to display the “Apps” screen.<sup>\*1, 2</sup>(→P.262)
- E** When an Apple CarPlay connection is established and this button is displayed, select to display the home screen of Apple CarPlay.<sup>\*1</sup>(→P.51)
- F** When an Android Auto connection is established and this button is displayed, select to display the home screen of Android Auto.<sup>\*1</sup>(→P.52)
- G** Select to display the energy monitor<sup>\*3</sup> or fuel consumption screen.<sup>\*4</sup>
  - Move the cursor over the sub menu icon to display the information screen. (→P.24)
- H** Select to display the general settings screen. (→P.58)
  - Move the cursor over the sub menu icon to display the “Setup” screen. (→P.23)
- I** Select to display the air conditioning control screen.<sup>\*4</sup>

<sup>\*1</sup>: This function is not made available in some countries or areas.

<sup>\*2</sup>: When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.

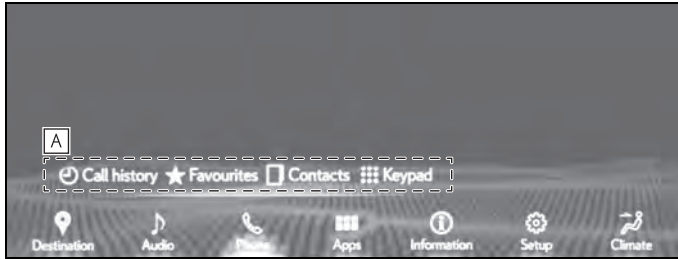
<sup>\*3</sup>: Vehicles with hybrid system

<sup>\*4</sup>: Refer to the “Owner’s Manual”

## How to use “On cursor shortcut”

Moving the cursor over a switch on the menu screen causes shortcut switches to display for that switch.

The shortcut switches can be used to perform operation procedures more quickly.



**A** On cursor shortcut

## Split-screen

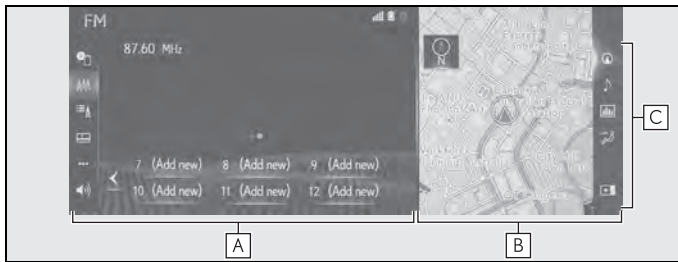
The screen can be operated in full screen or split-screen mode. Split-screen mode can display different information on the left and right of the screen. For example, navigation system screen can be displayed and operated while the radio screen is being displayed.

### Display overview

#### ► Full screen display



#### ► Split-screen display



#### **A** Main display

For details about each function and operation on the main display, refer to the respective section.

#### **B** Side display

The following functions can be displayed and operated on the side display.

- Navigation
- Audio
- Vehicle information
- Air conditioning

#### **C** Side display icons

Select to open/close the side display and change the displayed function.

## Side display

To change the screen displayed on the side display, use the screen buttons on the right side of the display.



- A** Select to display the navigation screen. (→P.19)
- B** Select to display the audio control screen. (→P.20)
- C** Select to display the vehicle information screen.\*
- D** Select to display the air conditioning control screen.\*
- E** Select to open/close the side display.

\*: Refer to the "Owner's Manual"

## Navigation screen operation

A map or a compass with information about the current position can be displayed.



### Map scale

- 1 Select or to change the scale of the map screen.

### Map orientation

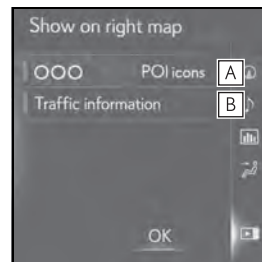
- 1 Select , or to change the orientation of the map screen.

### Switching the map mode

- 1 Select or to change the map mode. (→P.75)

### Editing map

- 1 Select any point on the map.
- 2 Select the desired item.

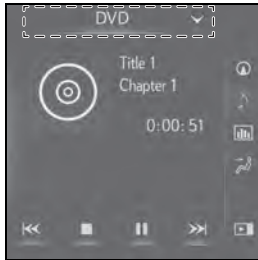


- A** Select to display POI icons. (→P.74)
- B** Select to show traffic information. (→P.77)

## Audio control screen operation

### ■ Selecting an audio source

1 Select .



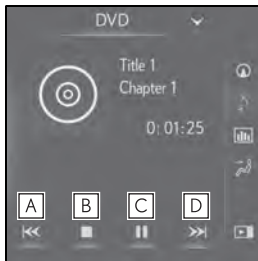
2 Select the desired source.

### ■ Radio operation

On the side display, preset stations can be selected.

### ■ Media operation

Operations such as selecting a chapter, file or track are carried out on the screen.



**A** Select to select a chapter/track/file.

Select and hold to fast rewind.

**B** Select to stop the video screen.

**C** Select to play/pause.

**D** Select to select a chapter/track/file.

During playback: Select and hold to fast

forward.

During a pause: Select and hold to slow forward.

● Depending on the audio source, some functions may not be available.

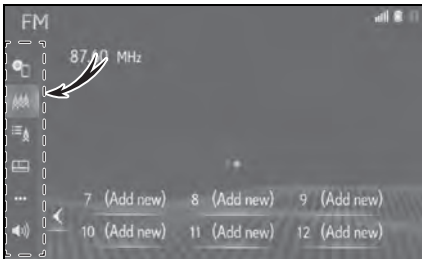
## Sub menu

Various options can be selected using the sub menu displayed on the left side of the main screen.

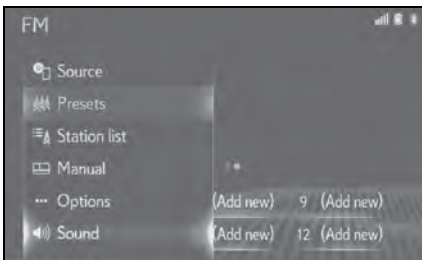
Move the cursor over the sub menu icon to display the sub menu.

### Displaying the sub menu

- 1 Move the cursor over the sub menu icon.



- 2 Select the desired option on the sub menu.



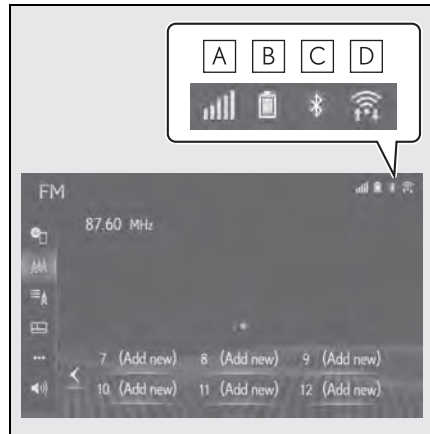
- The sub menu closes when the cursor is moved away from the sub menu.
- The sub menu items differ according to the function.
- In the full screen display, the sub menu is opened all the time.

## Status icon

Status icons are displayed at the top of the screen.

### Status icon explanation

This status bar is shown on all modes.




- A The reception level of the connected phone display (→P.21)
- B Remaining battery charge display (→P.22)
- C Bluetooth<sup>®</sup> phone connection condition display (→P.22)
- D Shown during data communication performed via Miracast<sup>®</sup> (→P.21)

- The number of status icons that can be displayed differs depending on the displayed screen.

### Reception level display

The level of reception does not always correspond with the level displayed on



the cellular phone. The level of reception may not be displayed depending on the phone you have.

When the cellular phone is out of the service area or in a place inaccessible by radio waves,  is displayed.




“Rm” is displayed when receiving in a roaming area. While roaming, display “Rm” top-left on the icon.

The receiving area may not be displayed depending on the type of Bluetooth<sup>®</sup> phone you have.

- ▶ While connected with cellular phone

Level	Indicators
Poor	
Excellent	

- ▶ When using Miracast<sup>®</sup>

Level	Indicators
No connection	
Poor	
Excellent	




- When Miracast<sup>®</sup> function is off, no item is displayed.

### Remaining battery charge display

The amount displayed does not always correspond with the amount displayed on the Bluetooth<sup>®</sup> device.

The amount of battery charge left may not be displayed depending on the type of the Bluetooth<sup>®</sup> device connected.

This system does not have a charging function.

Remaining charge	Indicators
Empty	
Low	
Full	




### Bluetooth<sup>®</sup> connection condition display

An antenna for the Bluetooth<sup>®</sup> connection is built into the instrument panel.

The condition of the Bluetooth<sup>®</sup> connection may deteriorate and the system may not function when a Bluetooth<sup>®</sup> phone is used in the following conditions and/or places:

- The cellular phone is obstructed by certain objects (such as when it is behind the seat or in the glove box or console box).
- The cellular phone is touching or is covered with metal materials.

Leave the Bluetooth<sup>®</sup> phone in a place where the condition of the Bluetooth<sup>®</sup> connection is good.

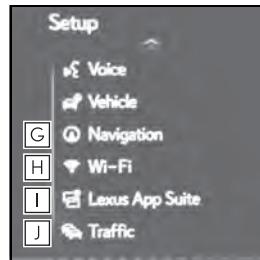
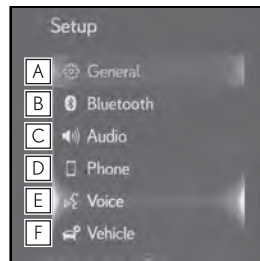
Indicators	Conditions
 (Blue)	Indicates that the condition of the Bluetooth <sup>®</sup> connection is good.
 (Gray)	While in this condition, sound quality during phone calls may deteriorate.
	Indicates that the cellular phone is not connected via Bluetooth <sup>®</sup> .

## "Setup" screen

### "Setup" screen

The "Setup" screen can be reached by the following methods:

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Setup".
- Move the cursor over the sub menu icon to display the "Setup" screen.
- 3 Select the desired item.



- A** Select to change the operation sound, etc. (→P.58)
- B** Select to set Bluetooth<sup>®</sup> device and Bluetooth<sup>®</sup> system settings. (→P.41)
- C** Select to set audio settings. (→P.152)
- D** Select to set the phone sound, con-

tacts, etc. (→P.247)

- E** Select to set the voice settings. (→P.62)
- F** Select to set the vehicle customization, etc. (→P.63)
- G** Select to set memory points (home, favourites entries, areas to avoid), or navigation details. (→P.97)
- H** Select to set Wi-Fi® connection settings. (→P.49)
- I** Select to set Lexus App Suite settings.\* (→P.266)
- J** Select to set traffic information.\* (→P.110)

\*: This function is not made available in some countries or areas.

## Information screen

### Information screen

The information screen can be reached by the following methods:

- 1** Press the “MENU” button on the Remote Touch.
- 2** Select “Information”.
- Move the cursor over the sub menu icon to display the information screen.
- 3** Select the desired item.



- A** Select to display the energy monitor or fuel consumption screen.\*<sup>1</sup>
- B** Select to display traffic information.\*<sup>2</sup>(→P.77)

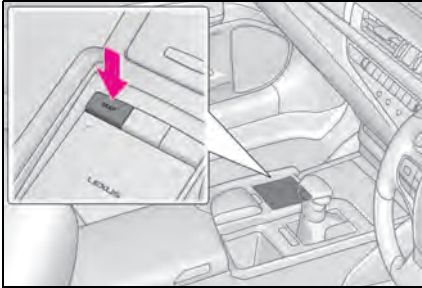
\*<sup>1</sup>: Refer to the “Owner’s Manual”

\*<sup>2</sup>: This function is not made available in some countries or areas.

## Operating the map screen

### Displaying the current position of the vehicle on the map screen

- 1 Press the "MAP" button on the Remote Touch.



- The current position of the vehicle is displayed on the map screen.



### ■ Displaying the map screen

The following operations can also be performed.

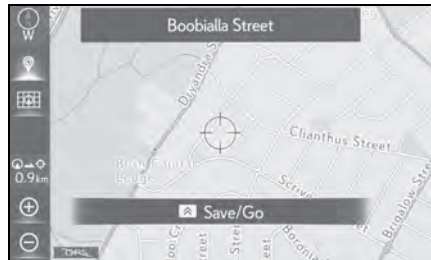
- Changing the map direction (→P.71)
- Displaying 3D map (→P.71)
- Changing the map colour (→P.103)
- Displaying the micro city map (→P.70)

## Moving the map screen

- 1 Select the desired point on the map screen.



- Move the desired point on the centre of the map screen.



- Press the "MAP" button on the Remote Touch to return to the current position.

## Zooming in/out the map

### ■ Zooming in the map

- 1 Select or pinch out on the touchpad of the Remote Touch. (→P.70)

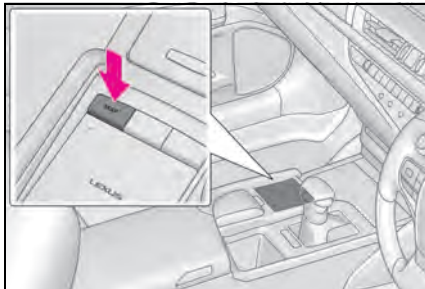
### ■ Zooming out the map


- 1 Select or pinch in on the touchpad of the Remote Touch. (→P.70)

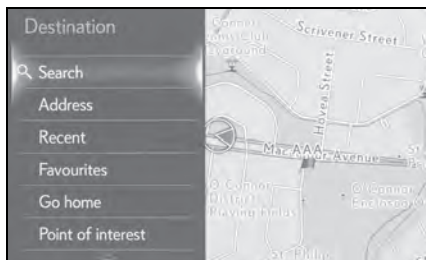
## Guiding the route

### Setting the destination

- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .
- 3 There are different kinds of methods to search for a destination. (→P.79)

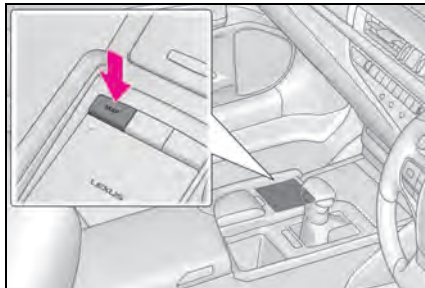


- 4 Select "Go directly".
  - Check that the route overview is displayed. (→P.87)
- 5 Select "OK".
  - Selecting routes other than the one recommended (→P.88)
  - Guidance to the destination is displayed on the screen and can be heard via voice guidance.

### Deleting destinations



When route guidance is no longer necessary, such as when you know the rest of the route to your destination, the destination can be deleted.

- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .

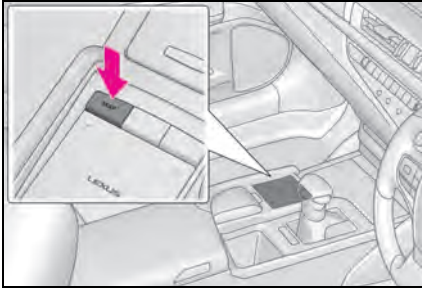



- If the map screen is not operated for a certain amount of time,  will be hidden. If "Auto hide buttons" on the detailed navigation settings screen is set to off,  will be displayed continuously. (→P.103)
- 3 Select "Yes" when the confirmation screen appears.
    - When more than 1 destination has been set, a list will be displayed on the screen. Select the item(s) to be deleted.

## Registering home

### Registering home

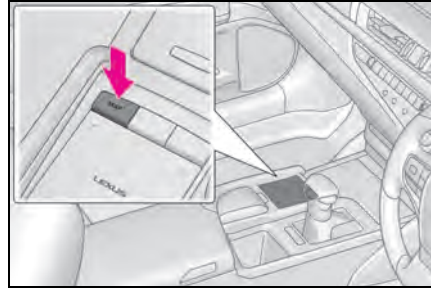
- 1 Press the "MAP" button on the Remote Touch.




- 2 Select .
  - 3 Select "Go home".
  - 4 Select "Yes".
  - 5 There are different kinds of methods to search for your home. (→P.79)
  - 6 Select "Enter".
  - 7 Select "OK".
- Registration of home is complete.
  - Registering home in a different way →P.98
  - Editing the name, location and icon →P.98
  - Setting home as the destination →P.82

## Setting home as the destination

- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .
  - 3 Select "Go home".
  - 4 Select "OK".
- Selecting routes other than the one recommended (→P.88)
  - Guidance to the destination is displayed on the screen and can be heard via voice guidance.



<b>2-1. Basic information before operation</b>	
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## Initial screen

When the power switch is turned to **ACCESSORY** or **ON** mode, the initial screen will be displayed and the system will begin operating.

## Caution screen

After a few seconds, the caution screen will be displayed.

Waiting about 5 seconds or selecting "Continue" switches to the last displayed screen.



### WARNING

- When the vehicle is stopped with the hybrid system operating, always apply the parking brake for safety.

## Maintenance information

This system reminds users when to replace certain parts or components and shows dealer information (if registered) on the screen.

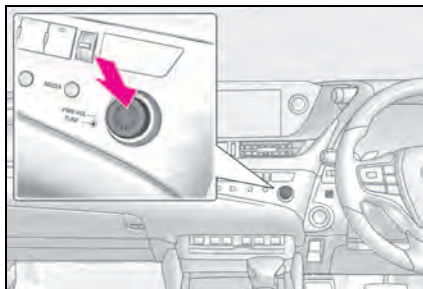
When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the maintenance remainder screen will be displayed when the system is turned on.

- To prevent this screen from being displayed again, select "Do not tell me again."
- To register maintenance information: →P.64

## Restarting the system

When system response is extremely slow, the system can be restarted.

- 1 Press and hold the "PWR+VOL" knob for 3 seconds or more.

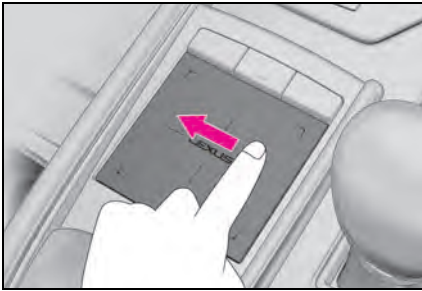


## How to use the touchpad

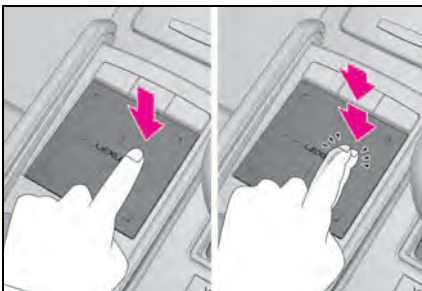
This system can be operated by the touchpad when the power switch is in ACCESSORY or ON mode.

### Touchpad operation

- 1 Use the touchpad of the Remote Touch to select the desired button on the screen.



- 2 The buttons on the screen can be selected by either depressing or double tapping on the touchpad. Once a button has been selected, the screen will change.



- When the pointer moves close to a button, it will automatically snap to that button and the Remote Touch feedback force (vibration) is generated by the touchpad.

This feedback force can be adjusted. (→P.58)

- Perform touchpad operations using a finger. Do not use nails or other objects like pens, etc.
- Perform pointer movement operations using only one finger. The pointer cannot be operated by using more than one finger.
- When water or other foreign materials are on the touchpad, a malfunction may occur. In those cases, wipe off the water or foreign materials and wait about 30 seconds before operating the touchpad.
- In the following cases, there is a possibility that the touchpad may not react normally:
  - When wearing gloves, etc.
  - When operated with a wet hand.
  - When a film, paint-like substance, etc., is on the touchpad.
  - When water or other foreign matter is on the touchpad.
  - Near a TV tower, electrical power plant, gas station, large display, airport or other facility that generates strong radio waves or electrical noise.
  - When wireless devices, such as portable radios and mobile phones are nearby.
  - When the following metal items are placed on the touchpad:
    - Coins
    - Keys
    - Metal parts of a wallet or purse
    - A card in which aluminum foil, etc., is attached
    - A box of cigarettes that uses aluminum foil
    - Disposable hand warmers
    - Media such as CD/DVDs, USB cables, etc.
  - When the temperature is  $-20^{\circ}\text{C}$  or less
- If a hand or object was placed on the touchpad when the power switch is in ACCESSORY or ON mode, the touchpad may not react normally. In those cases, remove what was set on the touchpad and operate it after waiting about 30 seconds. If there is still no reac-

tion, turn off the power switch and then turn it to ACCESSORY or ON mode again.

- Clean the touchpad frequently, as the reaction of the touch operation may worsen if the touchpad is dirty. In order to prevent malfunctions when cleaning the touchpad, turn the power switch off.



#### NOTICE

- Do not allow the Remote Touch to come into contact with food, liquid, stickers or lit cigarettes as doing so may cause damage.
- Do not subject the Remote Touch to excessive pressure or strong impact as doing so may cause damage.
- Do not push the touchpad with a strong force or use a sharp pointed object to operate the pad, as it is possible to cause damage.

### Touchpad gestures

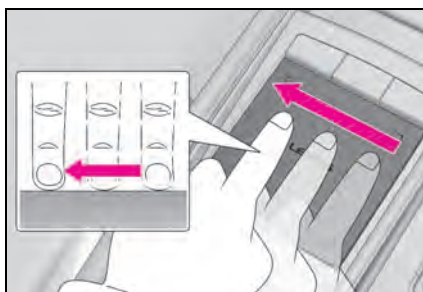
Operations are performed by touching the touchpad with your finger.

- Setting for the touchpad, such as movement speed of the pointer, can be changed. (→P.58)

#### Trace

Trace the pad surface while maintaining contact with the touchpad.

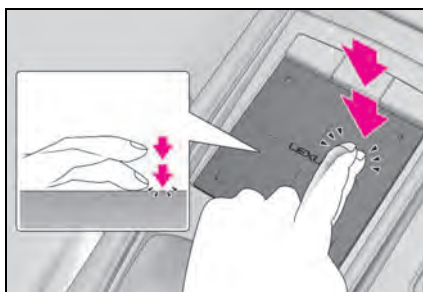
- Moving the cursor and the pointer.



#### Double tap

Tap the touchpad twice, quickly.

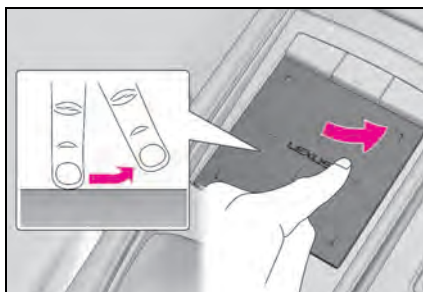
- Selecting the button on the screen.



#### Flick

Quick and long movement along the touchpad with your finger.

- Moving the list screen or map screen.



- To move the map, "Map flick" on the

detailed navigation settings is required to be "On". (→P.103)

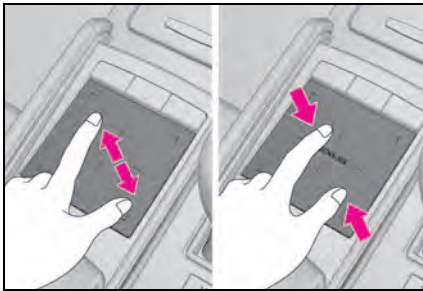
- The behavior of the flick operation differs depending on whether the vehicle is in motion or parked.

### Pinch in/Pinch out\*

\*: The Apple CarPlay Maps app is not compatible with pinch multi-touch gestures.

Slide fingers toward each other or apart on the touchpad.

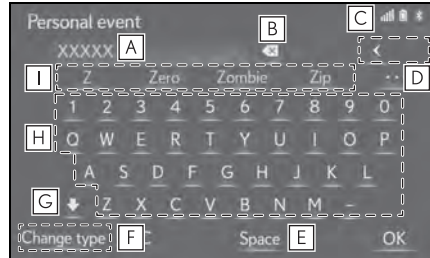
- Changing the scale of the map.



## Entering letters and numbers/list screen operation

### Entering letters and numbers

When searching by an address, name, etc., or entering data, letters and numbers can be entered via the screen.

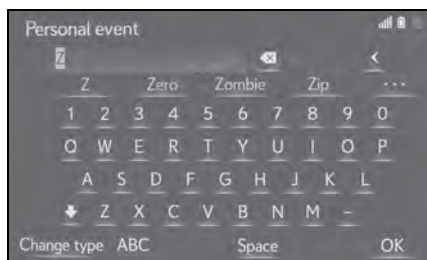


- A** Text field. Entered character(s) will be displayed.
- B** Select to erase one character. Select and hold to continue erasing characters.
- C** Select to move the cursor.
- D** Select to display a list of predictive text candidates when there is more than one. (→P.34)
- E** Select to make a space on cursor.
- F** Select to change character types. (→P.34)
- G** Select to enter characters in lower case or in upper case.
- H** Select to enter desired characters.
- I** Select to display predictive text candidates for entered text. (→P.34)

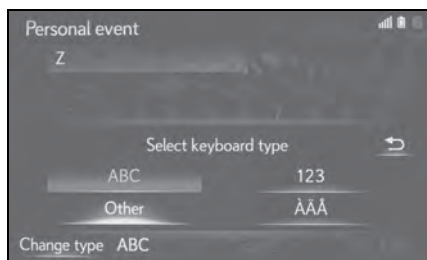
- Keyboard layout can be changed. (→P.58)

### Changing character type

- 1 Select "Change type".



- 2 Select the desired character.



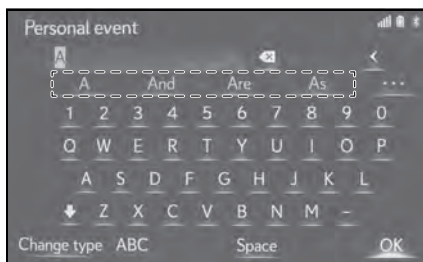
- Depending on the screen being displayed, it may not be possible to change keyboard characters.

### Displaying predictive text candidates

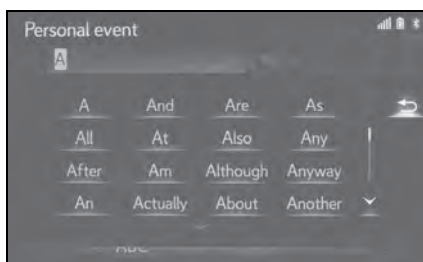
When text is input, the system predicts the text that may complete the currently unconfirmed text and displays predictive replacement candidates that match the beginning of the text.

- 1 Input text.

- 2 Select the desired candidate.



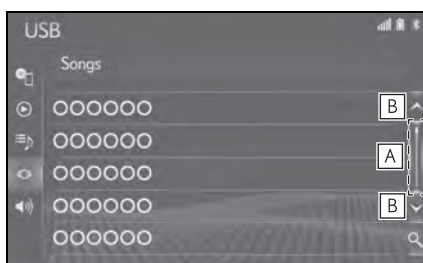
- To select a candidate that is not displayed, select **...**, and then select the desired predictive replacement candidate.



### List screen

The list screen may be displayed after entering characters. When a list is displayed, use the appropriate screen button to scroll through the list.

### Scrolling list screen



- 1 Select this part to scroll the list by

operating the scroll bar.

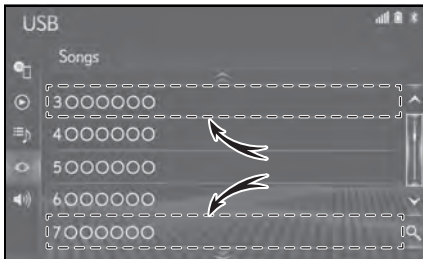
To release scrolling the list, select the scroll bar again.

### B Select to scroll the list.

- Matching items from the database are listed even if the entered address or name is incomplete.
- The list will be displayed automatically if the maximum number of characters is entered or matching items can be displayed on a single list screen.
- The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "\*\*\*\*" on the screen.
- It can be performed even if the "Map flick" is set to "Off". (→P.103)

### List screen flick operation

The list can be scrolled by flick operation when the cursor is over the top or bottom part of the list.



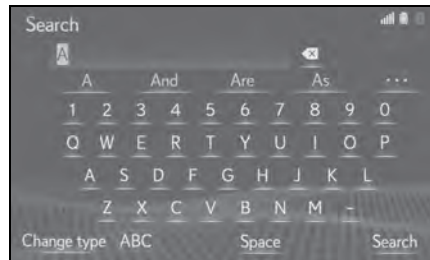
### Searching a list

Items are displayed in the list with the most similar results of the search at the top.

### 1 Select .



### 2 Input text.



### 3 Select "Search".

### 4 The list is displayed.

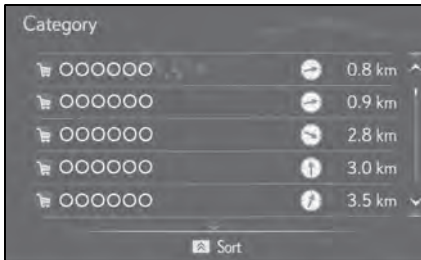


- When text is input, a candidate list of items to search for is displayed on the side screen.

### Sorting

The order of a list displayed on the screen can be sorted in the order of distance from the current location, date, category, etc.

- 1 Press the  button on the Remote Touch.



- 2 Select the desired sorting criteria.

## Linking multi-information display and the system

The following functions of the navigation system are linked with the multi-information display in the instrument cluster:

- Navigation
- Audio
- Phone\*

etc.

These functions can be operated using the multi-information display control switches on the steering wheel. For details, refer to “Owner’s Manual”.

\* : When an Apple CarPlay connection is established, this function will be unavailable.

## Registering/Connecting a Bluetooth® device

To use the hands-free system, it is necessary to register a Bluetooth® phone with the system.

Once the phone has been registered, it is possible to use the hands-free system.

This operation cannot be performed while driving.

When an Apple CarPlay connection is established, Bluetooth® functions of the system will become unavailable and any connected Bluetooth® devices will be disconnected.\*

When connecting to Android Auto, a Bluetooth® connection will be made automatically.\*

When an Android Auto connection is established, some Bluetooth® functions other than hands-free system cannot be used.\*

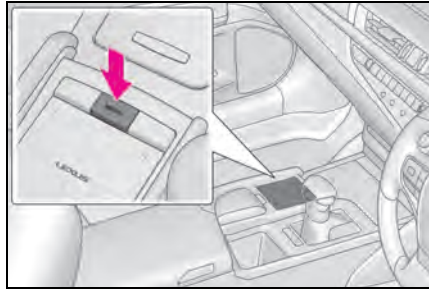
\*: This function is not made available in some countries or areas.

## Registering a Bluetooth® phone for the first time

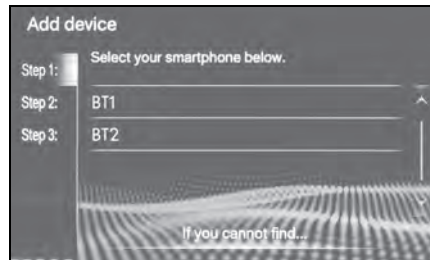
### ■ Registering from navigation system

- 1 Turn the Bluetooth® connection setting of your cellular phone on.

- This function is not available when Bluetooth® connection setting of your cellular phone is set to off.
- 2 Press the "MENU" button on the Remote Touch.



- 3 Select "Phone".
- 4 Select "Yes" to register a phone.
- 5 Select the desired Bluetooth® device.



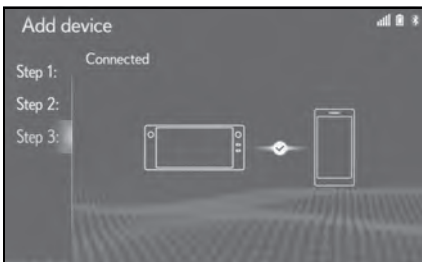
- 6 Register the Bluetooth® device using your Bluetooth® device.
- For details about operating the Bluetooth® device, see the manual that comes with it.
  - A PIN code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming

registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

- 7 Check that the following screen is displayed, indicating pairing was successful.



- The system is connecting to the registered device.
  - At this stage, the Bluetooth® functions are not yet available.
- 8 Check that "Connected" is displayed and registration is complete.



- If an error message is displayed, follow the guidance on the screen to try again.
- 
- If a cellular phone does not operate properly after being connected, turn the cellular phone off and on and then connect it again.

### ■ Registering from phone

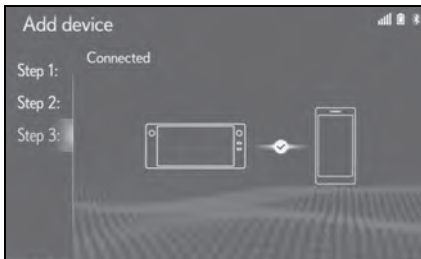
When registering from the navigation system is failed, or the phone name doesn't appear on the registering screen, you need to connect the Bluetooth® phone manually.

- 1 Press the "MENU" button on the Remote Touch.
  - 2 Select "Phone".
  - 3 Select "Yes" to register a phone.
  - 4 Select "If you cannot find...".
  - 5 Select "Register from phone".
  - 6 Register the Bluetooth® device using your Bluetooth® device.
- For details about operating the Bluetooth® device, see the manual that comes with it.
  - A PIN code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

- 7 Check that the following screen is displayed, indicating pairing was successful.



- The registered device is connecting to the system.
  - At this stage, the Bluetooth® functions are not yet available.
- 8 Check that “Connected” is displayed and registration is complete.



- If an error message is displayed, follow the guidance on the screen to try again.
- If a cellular phone does not operate properly after being connected, turn the cellular phone off and on and then connect it again.

### Registering a Bluetooth® audio player for the first time

To use the Bluetooth® audio, it is necessary to register an audio player with

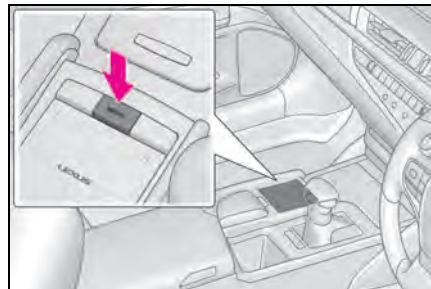
the system.


Once the player has been registered, it is possible to use the Bluetooth® audio.

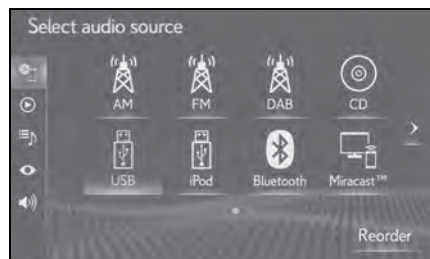
This operation cannot be performed while driving.

For details about registering a Bluetooth® device: →P.44

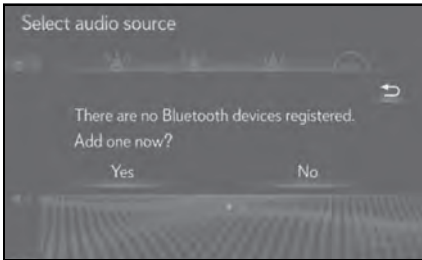
- 1 Turn the Bluetooth® connection setting of your audio player on.
- This function is not available when the Bluetooth® connection setting of your audio player is set to off.
- 2 Press the “MENU” button on the Remote Touch.



- 3 Select “Audio”.
- 4 Select  “Source” on the sub menu.
- 5 Select “Bluetooth”.



- 6 Select “Yes” to register an audio player.



- 7 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.37)

## Profiles

This system supports the following services.

### ■ Bluetooth® Core Specification

- Ver. 2.0 or higher (Recommended: Ver. 4.2 or higher)

### ■ Profiles:

- HFP (Hands Free Profile) Ver. 1.0 (Recommended: Ver. 1.7)
  - This is a profile to allow hands-free phone calls using a cellular phone. It has outgoing and incoming call functions.
- OPP (Object Push Profile) Ver. 1.1 (Recommended: Ver. 1.2)
  - This is a profile to transfer contacts data.
- PBAP (Phone Book Access Profile) Ver. 1.0 (Recommended: Ver. 1.2)
  - This is a profile to transfer phonebook data.
- MAP (Message Access Profile)

Recommended: Ver. 1.2

- This is a profile to use phone message functions.
- SPP (Serial Port Profile) Recommended: Ver. 1.2
  - This is a profile to use the “Lexus App Suite” and smartphone collaboration function.
- A2DP (Advanced Audio Distribution Profile) Ver. 1.0 (Recommended: Ver. 1.3)
  - This is a profile to transmit stereo audio or high quality sound to the audio system.
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 (Recommended: Ver. 1.6)
  - This is a profile to allow remote control the A/V equipment.

- 
- This system is not guaranteed to operate with all Bluetooth® devices.
  - If your cellular phone does not support HFP, registering the Bluetooth® phone or using OPP, PBAP, MAP or SPP profiles individually will not be possible.
  - If the connected Bluetooth® device version is older than recommended or incompatible, the Bluetooth® device function may not work properly.
  - Certification



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

## Setting Bluetooth® details

When an Apple CarPlay connection is established, this function will be unavailable.\*

When an Android Auto connection is established, some functions will be unavailable.\*

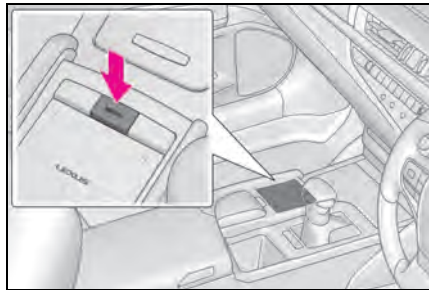
\*: This function is not made available in some countries or areas.


2

Basic function

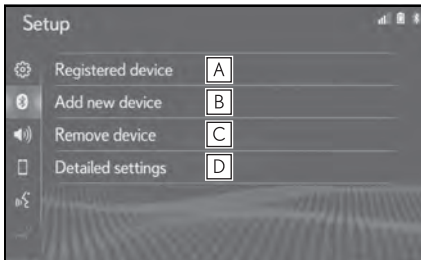
## Displaying the Bluetooth® setup screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Bluetooth" on the sub menu.
- 4 Select the desired item to be set.

## Bluetooth® setup screen




- A** Connecting a Bluetooth® device and editing the Bluetooth® device information (→P.42, 45)
- B** Registering a Bluetooth® device (→P.44)
- C** Deleting a Bluetooth® device (→P.44)
- D** Setting the Bluetooth® system (→P.45)

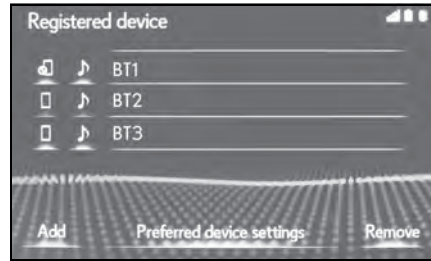
## Connecting a Bluetooth® device

Up to 5 Bluetooth® devices (Phones (HFP) and audio players (AVP)) can be registered.

If more than 1 Bluetooth® device has been registered, select which device to connect to.

- 1 Display the Bluetooth® setup screen:
  - “MENU” button → “Setup” →  “Bluetooth” on the sub menu
- 2 Select “Registered device”.

- 3 Select the device to be connected.



“Add”: Registering a Bluetooth® device. (→P.44)

“Preferred device settings”: Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.47)

“Remove”: Deleting a Bluetooth® device. (→P.44)

: Phone

: Audio player

: Phone/Lexus App Suite service

- The profile icon for a currently connected device will be displayed in colour.
- Selecting a profile icon which is not currently connected will switch the connection to the function.
- If the desired Bluetooth® device is not on the list, select “Add new device” to register the device. (→P.44)


- 4 Select the desired connection.




- ▶ When another Bluetooth® device is connected
  - To disconnect the Bluetooth® device, select “Yes”.
- 5 Check that a confirmation screen is displayed when the connection is complete.
  - If an error message is displayed, follow the guidance on the screen to try again.
- 
- It may take time if the device connection is carried out during Bluetooth® audio playback.
  - Depending on the type of Bluetooth® device being connected, it may be necessary to perform additional steps on the device.
  - When disconnecting a Bluetooth® device, it is recommended to disconnect using the system.

#### Connecting a Bluetooth® device in a different way (from phone setup screen)


- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Setup”.

- 3 Select  “Phone” on the sub menu.
- 4 Select “Connect phone”.
- 5 Select the device to be connected.

#### Connecting a Bluetooth® device in a different way (from phone screen)

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Phone”.
- 3 Select  “Select device” on the sub menu.
- 4 Select the device to be connected.

#### Connecting a Bluetooth® device in a different way (from Bluetooth® audio screen)

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Audio”.
- 3 Select  “Source” on the sub menu.
- 4 Select “Bluetooth”.
- 5 Select “Connect” on the sub menu.
- 6 Select the device to be connected.

#### ■ Auto connection mode


To turn auto connection mode on, set “Bluetooth power” to on. (→P.47)

Leave the Bluetooth® device in a location where the connection can be established.

- When the power switch is in ACCESSORY or ON mode, the system searches for a nearby registered device.
- The system will connect with the registered device that was last connected, if it is nearby. When automatic connection priority is set to on and there is more than one registered Bluetooth® phone available, the system will automatically connect to the Bluetooth® phone with the highest priority. (→P.47)

### ■ Connecting manually

When the auto connection has failed or “Bluetooth power” is turned off, it is necessary to connect Bluetooth® manually.

- 1 Display the Bluetooth® setup screen:
  - “MENU” button → “Setup” →  “Bluetooth” on the sub menu
- 2 Follow the steps in “Connecting a Bluetooth® device” from step 2. (→P.42)

### ■ Reconnecting the Bluetooth® phone


If a Bluetooth® phone is disconnected due to poor reception from the Bluetooth® network when the power switch is in ACCESSORY or ON mode, the system automatically reconnects the Bluetooth® phone.

## Registering a Bluetooth® device

Up to 5 Bluetooth® devices can be registered.

Bluetooth® compatible phones (HFP) and audio players (AVP) can be registered simultaneously.


This operation cannot be performed while driving.

- 1 Display the Bluetooth® setup screen:
  - “MENU” button → “Setup” →  “Bluetooth” on the sub menu
- 2 Select “Add new device”.
  - ▶ When another Bluetooth® device is connected
  - To disconnect the Bluetooth® device, select “Yes”.
  - ▶ When 5 Bluetooth® devices have already been registered
  - A registered device needs to be replaced. Select “Yes”, and select the device to be replaced.
- 3 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.37)

## Deleting a Bluetooth® device

This operation cannot be performed while driving.

- 1 Display the Bluetooth® setup screen:

- “MENU” button → “Setup” → 
- 2 Select “Remove device”.
- 3 Select the desired device.




- 4 Select “Yes” when the confirmation screen appears.
- 5 Check that a confirmation screen is displayed when the operation is complete.

- When deleting a Bluetooth<sup>®</sup> phone, the contact data will be deleted at the same time.

### Editing the Bluetooth<sup>®</sup> device information

The Bluetooth<sup>®</sup> device’s information can be displayed on the screen. The displayed information can be edited.

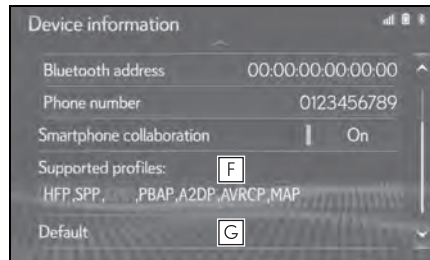
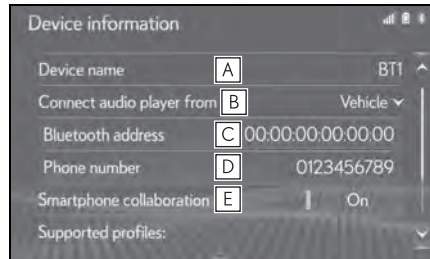
This operation cannot be performed while driving.

- 1 Display the Bluetooth<sup>®</sup> setup screen:
  - “MENU” button → “Setup” → 
  - 2 Select “Registered device”.

- 3 Select the desired device to be edited.
- 4 Select “Device info”.



- 5 Confirm and change the Bluetooth<sup>®</sup> device information.



- A** The name of the Bluetooth<sup>®</sup> device is displayed. It can be changed to a desired name. (→P.46)
- B** Select to set the Bluetooth<sup>®</sup> audio player connection method. (→P.46)
- C** Device address is unique to the device and cannot be changed.

- D** Phone number is unique to the Bluetooth<sup>®</sup> phone and cannot be changed.
- E** Select to set smartphone collaboration on/off.
- F** Compatibility profile is unique to Bluetooth<sup>®</sup> device and cannot be changed.
- G** Select to reset all setup items.

- If 2 Bluetooth<sup>®</sup> devices have been registered with the same device name, the devices can be distinguished referring to the device's address.
- Depending on the type of Bluetooth<sup>®</sup> phone, some information may not be displayed.

### Changing a device name

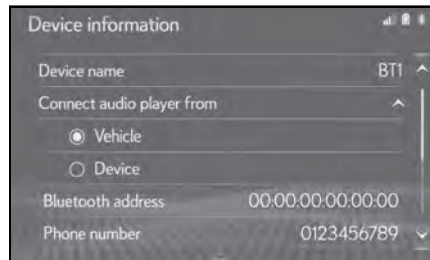
- 1 Select "Device name".
- 2 Enter the name and select "OK".

- Even if the device name is changed, the name registered in your Bluetooth<sup>®</sup> device does not change.

### Setting audio player connection method

- 1 Select "Connect audio player from".

- 2 Select the desired connection method.




"Vehicle": Select to connect the audio player from the vehicle's audio system.

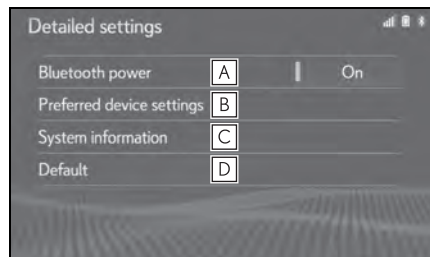
"Device": Select to connect the vehicle's audio system from the audio player.

- Depending on the audio player, the "Vehicle" or "Device" connection method may be best. As such, refer to the manual that comes with the audio player.

### "Detailed settings" screen

The Bluetooth<sup>®</sup> settings can be confirmed and changed.

- 1 Display the Bluetooth<sup>®</sup> setup screen:
  - "MENU" button → "Setup" →  "Bluetooth" on the sub menu
- 2 Select "Detailed settings".
- 3 Select the desired item to be set.



- A** Select to set Bluetooth<sup>®</sup> connection on/off. (→P.47)
- B** Select to change the automatic connection priority of the registered Bluetooth<sup>®</sup> devices. (→P.47)
- C** Select to edit the system information. (→P.48)
- D** Select to reset all setup items.

### Changing “Bluetooth power”

- 1 Select “Bluetooth power”.

When “Bluetooth power” is on:

The Bluetooth<sup>®</sup> device is automatically connected when the power switch is in ACCESSORY or ON mode.

When “Bluetooth power” is off:

The Bluetooth<sup>®</sup> device is disconnected, and the system will not connect to it next time.

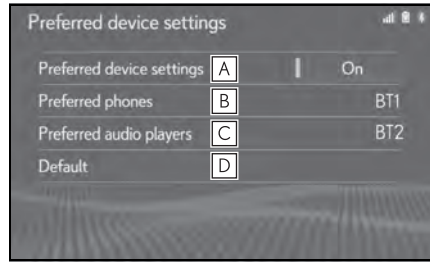
- While driving, the auto connection state can be changed from off to on, but cannot be changed from on to off.

### Setting automatic connection priority

The automatic connection priority of the registered Bluetooth<sup>®</sup> devices can be changed.

- 1 Select “Preferred device settings”.

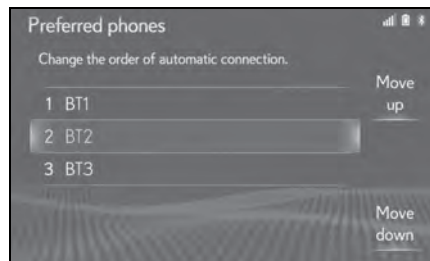
- 2 Select the desired item to be set.



- A** Select to set automatic connection priority on/off.
- B** Select to change the automatic connection priority of the registered Bluetooth<sup>®</sup> phones. (→P.47)
- C** Select to change the automatic connection priority of the registered Bluetooth<sup>®</sup> audio players. (→P.48)
- D** Select to reset all setup items.

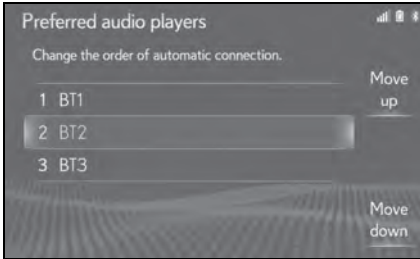
### Changing phone automatic connection priority

- 1 Select “Preferred phones”.
- 2 Select the desired Bluetooth<sup>®</sup> device and select “Move up” or “Move down” to change the preferred order.



### ■ Changing audio player automatic connection priority

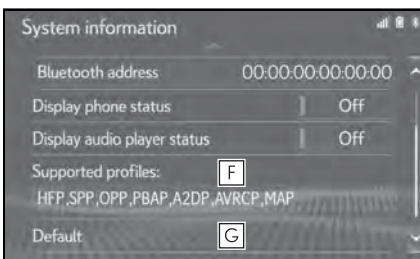
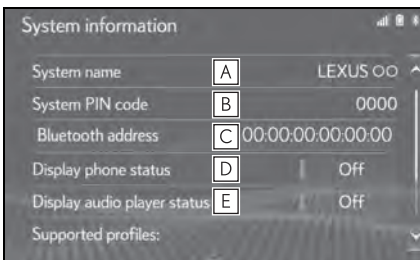
- 1 Select "Preferred audio players".
- 2 Select the desired Bluetooth® device and select "Move up" or "Move down" to change the preferred order.



- A newly registered Bluetooth® device will automatically be given the highest automatic connection priority.

### Editing the system information

- 1 Select "System information".
- 2 Select the desired item to be set.



- A** Displays system name. Can be changed to a desired name. (→P.48)
- B** PIN code used when the Bluetooth® device was registered. Can be changed to a desired code. (→P.48)
- C** Device address is unique to the device and cannot be changed.
- D** Select to set the connection status display of the phone on/off.
- E** Select to set the connection status display of the audio player on/off.
- F** Compatibility profile of the system
- G** Select to reset all setup items.

### ■ Editing the system name

- 1 Select "System name".
- 2 Enter a name and select "OK".

### ■ Editing the PIN code

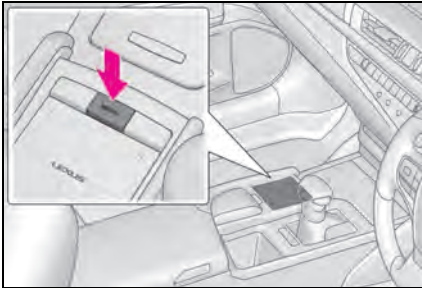
- 1 Select "System PIN code".
- 2 Enter a PIN code and select "OK".


## Connecting to Miracast<sup>®</sup> via Wi-Fi<sup>®</sup>

Using the Wi-Fi<sup>®</sup> function, this system can connect to Miracast<sup>®</sup>. But this function is not for connecting to internet. It's only for connecting to Miracast<sup>®</sup>.

### Displaying the Wi-Fi<sup>®</sup> settings screen

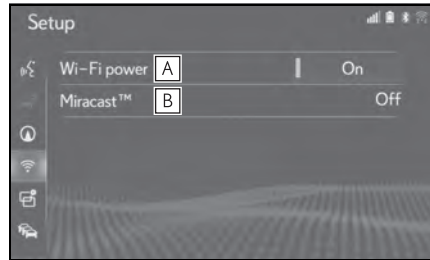
- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Wi-Fi\*" on the sub menu.
- 4 Select the desired items to be set.

\*: Wi-Fi<sup>®</sup> is a registered trademark of Wi-Fi Alliance<sup>®</sup>.

### Wi-Fi<sup>®</sup> settings screen



**A** Select to turn the Wi-Fi<sup>®</sup> function on/off. (→P.49)

**B** Displays status of the Miracast<sup>®</sup> connection.


"On": Connecting

"Off": Not connecting

- Miracast<sup>®</sup> status should be displayed only for Miracast<sup>®</sup> supported models.

### Turning Wi-Fi<sup>®</sup> function on/off

- 1 Display the Wi-Fi<sup>®</sup> settings screen:

- "MENU" button → "Setup" →  "Wi-Fi\*" on the sub menu

- 2 Select "Wi-Fi power".

- Each time it is selected, the "Wi-Fi\*" power" is turned on/off.

\*: Wi-Fi<sup>®</sup> is a registered trademark of Wi-Fi Alliance<sup>®</sup>.

### Wi-Fi<sup>®</sup> function operating hints

- If the vehicle is near a radio antenna, radio station or other source of strong radio waves and electrical noise, communication may be slow or impossible.

**WARNING**

- Use Wi-Fi® devices only when safe and legal to do so.
- Your audio unit is fitted with Wi-Fi® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Wi-Fi® antennas.  
The radio waves may affect the operation of such devices.
- Before using Wi-Fi® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.  
Radio waves could have unexpected effects on the operation of such medical devices.

**Conditions displayed with Wi-Fi® icon**

Reception level appears on the right upper side of the screen. (→P.21)

**Specifications**

- Communication standards
  - IEEE 802.11b
  - IEEE 802.11g
  - IEEE 802.11n (2.4 GHz)
- Security
  - WPA2™
- WPA2™ is a trademark of Wi-Fi Alliance®.

## Apple CarPlay/Android Auto™\*

\*: This function is not made available in some countries or areas.

**Apple CarPlay/Android Auto allows some applications, such as Map, Phone, and Music, to be used on the system.**

**When an Apple CarPlay/Android Auto connection is established, Apple CarPlay/Android Auto compatible applications will be displayed on the system display.**

### ● Compatible devices

Apple iPhone (iOS Ver. 11 or later) that supports Apple CarPlay.

For details, refer to <https://www.apple.com/ios/carplay/>\*

Android™ devices with Android OS ver 5.0 or higher which support Android Auto and have the Android Auto application installed.

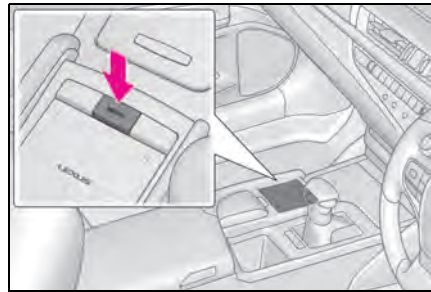
For details, refer to <https://www.android.com/auto/>\*

\*: Some devices may not operate with this system.

## Establishing an Apple CarPlay connection

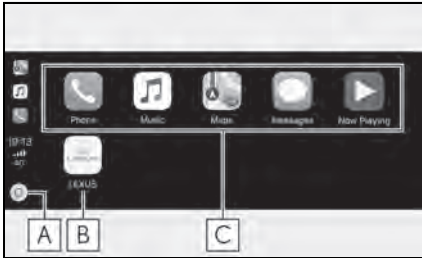
- 1 Enable Siri on the device to be connected.
- 2 Connect the device to the USB port. (→P.122)

- 3 Select “Always enable” or “Enable once”.
  - If “Do not enable” is selected, an Apple CarPlay connection will not be established. In this case, the device can be operated as a normal Apple device, such as an iPod. Apple CarPlay will remain off until “Apple CarPlay” of “Projection settings” on the general settings screen is turned on. (→P.58)
  - Depending on the device connected, it may take approximately 3 to 6 seconds before the system returns to previous screen.
  - The screen may change to “step 6” depending on the system.
- 4 Press the “MENU” button on the Remote Touch.



- 5 Select the “Apple CarPlay”.

- 6 Check that home screen of Apple CarPlay is displayed.



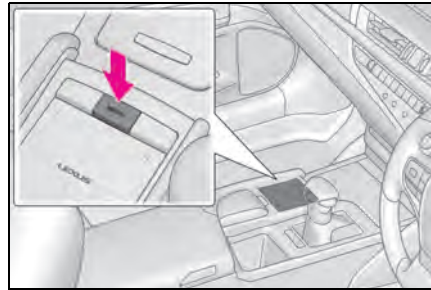
- A** Select to display the home screen of Apple CarPlay.  
Select and hold to activate Siri.
- B** Select to display the system screen.
- C** Select to start the application.  
User can use any iPhone application supported by Apple CarPlay.

### Establishing an Android Auto connection

- 1 Check that the Android Auto application is installed to the device to be connected.
- 2 Connect the device to the USB port. (→P.122)
- 3 Select “On” to enable the function.
  - “Off”: Select to not enable Android Auto. Android Auto will remain off until “Android Auto” of “Projection settings” on the general settings screen is turned on. (→P.58)
  - Depending on the device connected, it may take approximately 3 to 6 seconds before the system returns to previous screen.
  - The screen may change to “step 6”

depending on the system.

- 4 Press the “MENU” button on the Remote Touch.



- 5 Select “Android Auto”.
- 6 Check that home screen of Android Auto is displayed.

- When an Apple CarPlay/Android Auto connection is established, the function of some system buttons will change.
- When an Apple CarPlay/Android Auto connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay/Android Auto functions or will become unavailable:
  - iPod (Audio Playback)
  - USB audio/USB video
  - Bluetooth® audio
  - Bluetooth® phone (Apple CarPlay only)
  - Lexus App Suite
- When an Android Auto connection is established while using Miracast®, Miracast® may become unavailable.
- The guidance volume can be changed on the voice settings screen. (→P.62)
- Apple CarPlay/Android Auto is an application developed by Apple Inc/Google LLC. Its functions and services may be terminated or changed without notice depending on the connected device's operation system, hardware and software, or due to changes in Apple CarPlay/Android Auto specifications.
- For a list of the apps supported by Apple

CarPlay or Android Auto, refer to their respective website.

- While using these functions, vehicle and user information, such as location and vehicle speed, will be shared with the respective application publisher and the cellular service provider.
- By downloading and using each application, you agree to their terms of use.
- Data for these functions is transmitted using the internet and may incur charges. For information about data transmission fees, contact your cellular service provider.
- Depending on the application, certain functions, such as music playback, may be restricted.
- As the applications for each function are provided by a third-party, they may be subject to change or discontinuation without notice. For details, refer to the website of the function.
- If the vehicle's navigation system is being used for route guidance and a route is set using the Apple CarPlay/Android Auto Maps app, route guidance will be performed through Apple CarPlay/Android Auto. If the Apple CarPlay/Android Auto Maps app is being used for route guidance and a route is set using the vehicle's navigation system, route guidance will be performed by the vehicle's navigation system.
- If the USB cable is disconnected, operation of Apple CarPlay/Android Auto will end. At this time, sound output will stop and change to the system screen.

### ■ Certification



- Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone or iPod may affect wireless performance.
- Apple CarPlay is a trademark of Apple Inc.

androidauto

- Android and Android Auto are trademarks of Google LLC.

#### WARNING

- Do not connect smartphone or operate the controls while driving.

#### NOTICE

- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.
- Do not push down on or apply unnecessary pressure to the smartphone while it is connected as this may damage the smartphone or its terminal.



## NOTICE

- Do not insert foreign objects into the port as this may damage the smartphone or its terminal.

## Troubleshooting

If you are experiencing difficulties with Apple CarPlay/Android Auto, check the following table.

Symptom	Solution
An Apple CarPlay/Android Auto connection cannot be established.	<p>Check if the device supports Apple CarPlay/Android Auto.</p> <p>Check if Apple CarPlay/Android Auto is enabled on the connected device.</p> <p>Check if that the Android Auto application is installed to the device to be connected.</p> <p>For details, refer to            Apple CarPlay:  <a href="https://www.apple.com/ios/carplay/">https://www.apple.com/ios/carplay/</a>            Android Auto:  <a href="https://www.android.com/auto/">https://www.android.com/auto/</a>            Apple CarPlay is not made available in some countries or areas.</p> <p>For details, refer to  <a href="https://www.apple.com/ios/feature-availability/#apple-carplay">https://www.apple.com/ios/feature-availability/#apple-carplay</a>.</p>
	<p>Check if “Apple CarPlay”/“Android Auto” of “Projection settings” on the general settings screen is set to on. (→P.58)</p>
	<p>Check if the USB cable being used is securely connected to the device and USB port.</p> <p>Check that the device is connected directly to the USB port of the system and not connected to a USB hub.</p> <p>For Apple CarPlay: Check if the Lightning cable being used is certified by Apple. Check if Siri is enabled.</p>
	<p>After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.51, 52)</p>

Symptom	Solution
When an Apple CarPlay/Android Auto connection is established and a video is being played, the video is not displayed, but audio is output through the system.	As the system is not designed to play video through Apple CarPlay/Android Auto, this is not a malfunction.
Although an Apple CarPlay/Android Auto connection is established, audio is not output through the system.	The system may be muted or the volume may be low. Increase the system volume.
The Apple CarPlay/Android Auto screen has artifacts and/or audio from Apple CarPlay/Android Auto has noise.	Check if the USB cable being used to connect the device to the system is damaged. To check if the USB cable is damaged internally, connect the device to another system, such as a PC, and check if the device is recognized by the connected system. (The device should begin charging when connected.)
	After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.51, 52)
The map display of the Apple CarPlay Maps app cannot be enlarged or contracted with pinch multi-touch gestures.	As the Apple CarPlay Maps app is not compatible with pinch multi-touch gestures, this is not a malfunction.
The Apple CarPlay screen is only displayed in the centre of the 12.3-inch display and does not take up the entire screen.	The 12.3-inch display is supported by iOS Ver. 10 and later. Update to the latest iOS version.
The touchpad does not vibrate on the Apple CarPlay screen.	Vibration feedback is supported by iOS Ver. 11 and later. Update to the latest iOS version.

Symptom	Solution
<p>During Apple CarPlay music application (Apple Music, Spotify, etc.) playback, if the iPhone is operated to start and play audio from an application that is not compatible with Apple CarPlay* and the onboard device volume is changed, the audio of the incompatible application stops and the system resumes playback of the original music application.</p>	<p>This operation is performed according to the specification of the onboard device, this is not a malfunction.</p>
<p>After interrupt audio (such as navigation route guidance) is played from an application that is not compatible with Apple CarPlay while the onboard device is playing audio (FM/AM, CD, etc.), the system does not resume playback of the original audio (FM/AM, CD, etc.).</p>	<p>This operation is performed according to the specification of the onboard device, this is not a malfunction. Manually change the audio source by yourself. Or, do not use applications that are not compatible with Apple CarPlay.* Due to some navigation applications are compatible from iOS 12, update to the latest iOS and application versions.</p>
<p>When using Apple CarPlay, route guidance arrows and turn by turn navigation are not displayed on the multi-information display and system display. When using Android Auto, turn by turn navigation is not displayed on the multi-information display and system display.</p>	<p>This is not a malfunction as display of these items is not possible with this function.</p>

Symptom	Solution
When using Android Auto, hands-free call audio cannot be heard from the vehicle's speakers.	Disconnect the phone from the USB cable and check if hands-free call audio can be heard using the hands-free system.
	Connect the phone to the system using Android Auto, turn up the volume on the system and check if hands-free call audio can be heard. Check if other sounds can be heard from the vehicle's speakers.

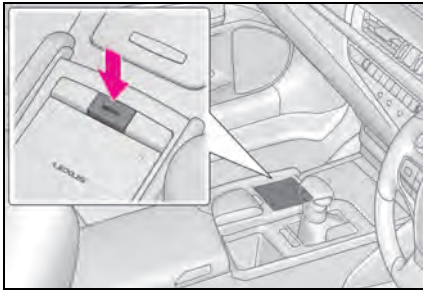
\* : Applications not compatible with Apple CarPlay are applications installed on the iPhone that are not displayed on the Apple CarPlay screen application list. (such as visual voice-mail)


## General settings

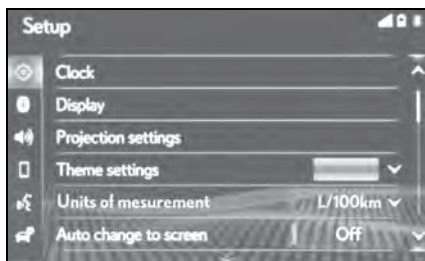
Settings are available for automatic screen change, operation sounds, etc.

### Displaying the general settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
  - If the general settings screen is not displayed, select  "General" on the sub menu.
- 3 Select the desired items to be set.



### General settings screen

- "Clock"  
Select to change the time zone, set the

daylight saving time on/off and set the automatic adjustment of the clock on/off. (→P.59)

- "Display"

Select to adjust the contrast and brightness of the screens, turn the screen off, etc. (→P.60)

- "Projection settings"

Select to set automatic Apple CarPlay/Android Auto connection establishment on/off. (→P.61)

- "Theme settings"

Select to change the screen theme setting.

- "Units of measurement"

Select to change the unit of measure for distance/fuel consumption.

- "Auto change to screen"

Select to set automatic screen changes from the audio/air conditioning control screen to the map screen to on/off. When set to on, the screen will automatically return to the map screen from the audio/air conditioning control screen after 20 seconds.

- "Selection sound"

Select to set the selection sounds on/off.

- "Pointer sound"

Select to set the pointer sounds on/off.

- "Error sound"

Select to set the error sounds on/off.

- "Pointer sound volume"

Select to adjust the pointer sound volume.

- "Feedback force"

Select to adjust the level of the feedback force (vibration) to the touchpad, when selecting a screen button.

- “Cursor speed”

Select to adjust the pointer speed.

- “Multi-touch command”

Select to set the multi-touch command on/off.

- “Keyboard layout”

Select to change the keyboard layout.

- “Delete keyboard history”

Select to delete the keyboard history.

- “Memorise keyboard history”

Select to set the memorize keyboard history on/off.

- “Delete search history”

Select to delete the search history.

- “Delete personal data”

Select to delete personal data. (→P.61)

- “Software update”

Select to update software versions. For details, contact your Lexus dealer.


- “Software information”

Select to display the software information. Notices related to third party software used in this product are enlisted. (This includes instructions for obtaining such software, where applicable.)

## Clock settings

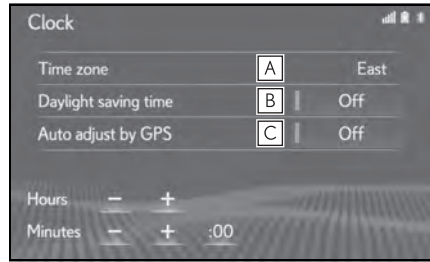
Used for changing the time zone and setting of daylight saving time and automatic time adjustment on/off.

1 Display the general settings screen:

- “MENU” button → “Setup” →  “General” on the sub menu

2 Select “Clock”.

3 Select the desired items to be set.



**A** Select to change the time zone. (→P.59)

**B** Select to set daylight saving time on/off.

**C** Select to set automatic adjustment of the clock by GPS on/off. When set to off, the clock can be manually adjusted. (→P.59)

### Setting the time zone

1 Select “Time zone”.

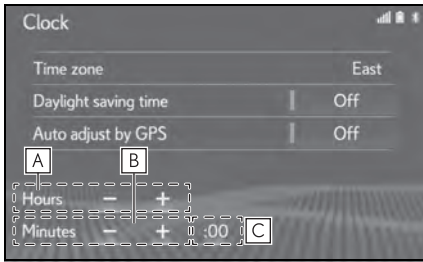
2 Select the desired time zone.

- If “Other” is selected, the zone can be adjusted manually. Select “+” or “-” to adjust the time zone.

### Manual clock setting

When “Auto adjust by GPS” is turned “Off”, the clock can be manually adjusted.

- 1 Select the desired item.



- A Select “+” to set the time forward one hour and “-” to set the time back one hour.
- B Select “+” to set the time forward one minute and “-” to set the time back one minute.
- C Select to round to the nearest hour.

e.g.


1:00 to 1:29 → 1:00

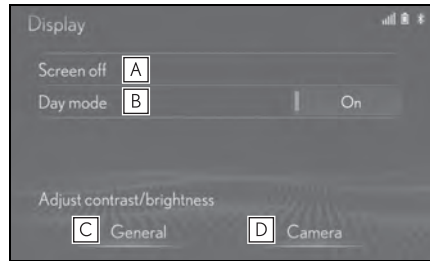
1:30 to 1:59 → 2:00

### Display settings (screen adjustment)

The contrast and brightness of the screen display and the image of the camera display can be adjusted. The screen can also be turned off, and/or changed to either day or night mode. (For information regarding audio/visual screen adjustment: →P.124)

- 1 Display the general settings screen:

- “MENU” button → “Setup” →  “General” on the sub menu
- 2 Select “Display”.
  - 3 Select the desired items to be set.



- A Select to turn the screen off. To turn it on, press any button on the audio control switch or on the Remote Touch.
- B Select to turn day mode on/off. (→P.60)
- C Select to adjust the screen display. (→P.60)
- D Select to adjust the camera display. (→P.60)

### Changing between day and night mode

Depending on the position of the headlight switch, the screen changes to day or night mode. This feature is available when the headlight is switched on.

- 1 Select “Day mode”.



- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the hybrid system turned off.

### Adjusting the contrast/brightness

The contrast and brightness of the screen can be adjusted according to the brightness of your surroundings.

- 1 Select “General” or “Camera”.

- 2 Select the desired item.
  - “Display (General)” screen only:
 

Select  or  to select the desired display.
  - “Contrast”
 


“+”: Select to strengthen the contrast of the screen.

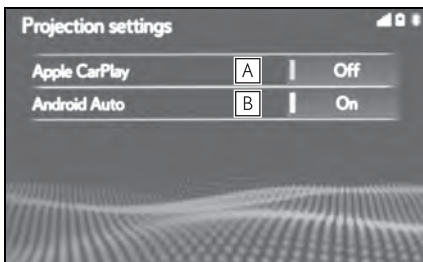
“-”: Select to weaken the contrast of the screen.
  - “Brightness”
 

“+”: Select to brighten the screen.

“-”: Select to darken the screen.

### Projection settings\*

- \*: This function is not made available in some countries or areas.
- 1 Display the general settings screen:
    - “MENU” button → “Setup” →  “General” on the sub menu
  - 2 Select “Projection settings”.
  - 3 Select the desired items to be set.




- A** Select to turn Apple CarPlay connection establishment on/off. Depending on the system, this setting cannot be changed when a device is connected to the system via USB. Disconnect the device

before attempting to change the setting.

- B** Select to turn Android Auto connection establishment on/off. Depending on the system, this setting cannot be changed when a device is connected to the system via USB. Disconnect the device before attempting to change the setting.

### Deleting personal data

Registered or changed personal settings will be deleted or returned to their default conditions.

- 1 Display the general settings screen:
  - “MENU” button → “Setup” →  “General” on the sub menu
- 2 Select “Delete personal data”.
- 3 Select “Delete”.
- 4 Select “Yes” when the confirmation screen appears.

Examples of settings that can be returned to their default conditions:

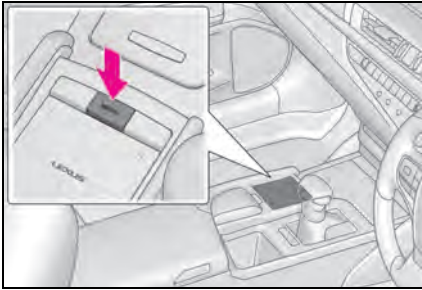
- General settings
  - Navigation settings
  - Audio settings
  - Phone settings
  - Lexus App Suite settings
- etc.


## Voice settings

Voice volume, etc. can be set.

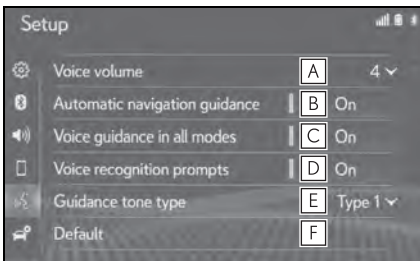
### Displaying the voice settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Voice" on the sub menu.
- 4 Select the desired items to be set.

### Voice settings screen



- A Select to adjust the volume of voice guidance.
- B Select to set the voice guidance during route guidance on/off.

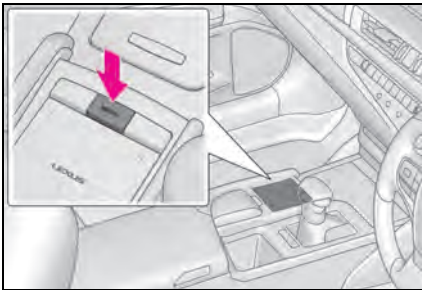
- C Select to set the voice guidance during audio/visual and/or air conditioning system use on/off.
- D Select to set the voice recognition prompts on/off.
- E Select to set the beep sound of navigation guidance.
- F Select to reset all setup items.


## Vehicle settings

Settings are available for maintenance, vehicle customization, etc.

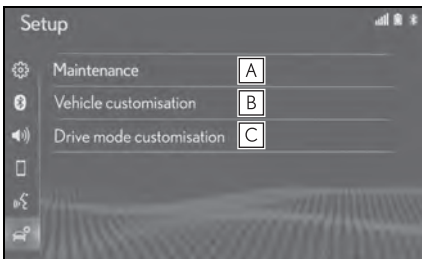
### Displaying the vehicle settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Vehicle" on the sub menu.
- 4 Select the desired items to be set.

### Vehicle settings screen



- A Select to set maintenance. (→P.64)
- B Select to set vehicle customiza-

tion.\*1


- C Select to set driving mode.\*1,2

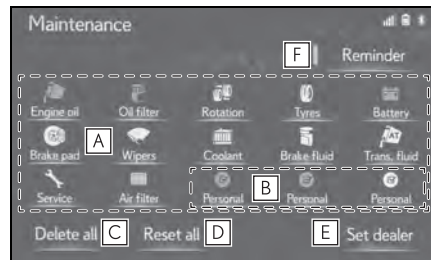
\*1: Refer to the "Owner's Manual"

\*2: If equipped

## Maintenance

When the system is turned on, the maintenance reminder screen displays when it is time to replace a part or certain components. (→P.30)

- 1 Display the vehicle settings screen:
  - "MENU" button → "Setup" →  "Vehicle" on the sub menu
- 2 Select "Maintenance".
- 3 Select the desired item.



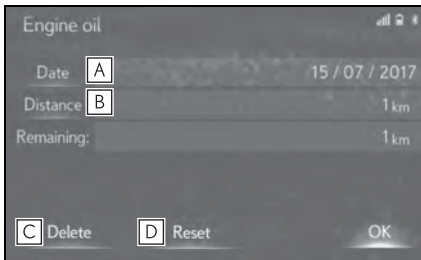
- A Select to set a reminder for a part or component. (→P.64)
- B Select to add a reminder other than the provided ones.
- C Select to cancel all reminders which have been entered.
- D Select to reset all reminders which have expired.
- E Select to register/edit dealer information. (→P.64)
- F The system is set to give mainte-

nance information with the maintenance reminder screen. (→P.30)

- When the vehicle needs to be serviced, the screen button colour will change to orange.

### Maintenance information setting

- 1 Select the desired part or component screen button.
- 2 Set the conditions.



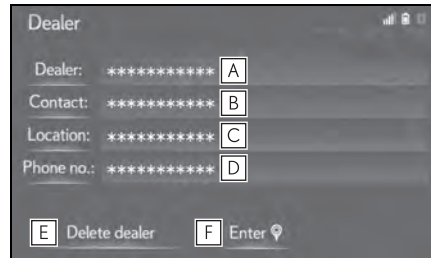
- A Select to enter the next maintenance date.
  - B Select to enter the driving distance until the next maintenance check.
  - C Select to cancel the conditions which have been entered.
  - D Select to reset the conditions which have expired.
- 3 Select "OK" after entering the conditions.

- For scheduled maintenance information, refer to "Warranty and Service Booklet".
- Depending on driving or road conditions, the actual date and distance that maintenance should be performed may differ from the stored date and distance in the system.

### Dealer setting

Dealer information can be registered in the system. With dealer information registered, route guidance to the dealer is available.

- 1 Select "Set dealer".
- 2 Select the desired item to search for the location. (→P.79)
  - The editing dealer screen appears after setting the location.
- 3 Select the desired items to be edited.



- A Select to enter the name of a dealer. (→P.64)
- B Select to enter the name of a dealer member. (→P.64)
- C Select to set the location. (→P.65)
- D Select to enter the phone number. (→P.65)
- E Select to delete the dealer information displayed on the screen.
- F Select to set the displayed dealer as a destination. (→P.87)

### Editing dealer or contact name

- 1 Select "Dealer" or "Contact".

- 2 Enter the name and select "OK".

### Editing the location

---

- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.72) and select "Enter".

### Editing phone number

---

- 1 Select "Phone no.".
- 2 Enter the phone number and select "OK".



<b>3-1. Basic operation</b>	
Navigation.....	<b>68</b>
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**F** Micro city map button (→P.70)

**G** Zoom in/out button (→P.70)

- Select to magnify or reduce the map scale. When either button is selected, the map scale indicator bar appears at the bottom of the screen.

**H** Route information change button (→P.90)

- Select to display the estimated travel time/arrival time to the destination or the traffic information.

**I** Route information bar (→P.90)

- Displays the distance to the destination and the estimated travel time/destination arrival time or traffic information. The route information bar fills from left to right as the vehicle progresses on the route.

**J** Delete destination button (→P.26)


- Select to delete destinations.

**K** Speed limit icon (→P.73)

- Indicates the speed limit on the current road when speed limit information is available. The display of the speed limit icon can be set to on/off.

**L** Lane guidance

- Displayed when lane information is available.

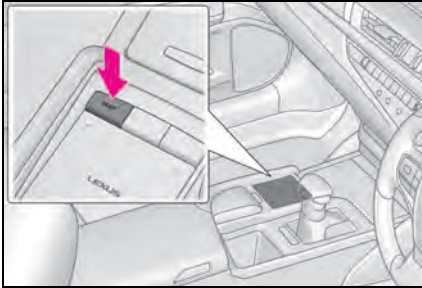
- 
- When the vehicle is not receiving GPS signals, such as when driving in a tunnel,  will be displayed at the bottom left corner of the screen.

- Certain screen buttons on the map screen will disappear several seconds after stop operating the Remote Touch. This setting can be changed so that all the screen buttons will always be displayed. (→P.103)
- Press the “MAP” button on the Remote Touch to display the address of the current position on the map screen or repeat voice guidance.

## Map screen operation

### Current position display

- 1 Press the "MAP" button on the Remote Touch.



- 2 Check that the current position map is displayed.
    - To correct the current position manually: →P.106
- 
- While driving, the current position mark is fixed on the screen and the map moves.
  - The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
  - After the 12-volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.

### Map scale

- 1 Select or to change the scale of the map screen.



- The scale indicator bar appears at the bottom of the screen.
- Select and hold or to continue changing the scale of the map screen.
- The scale of the map screen can also be changed by selecting the scale bar directly. This function is not available while driving.
- The scale of the map screen can be changed on the touchpad of the Remote Touch with your finger. Pinch out on the touchpad to zoom in and pinch in to zoom out. (→P.33)
- In areas where a micro city map is available, will change to when the map screen is set to the smallest scale.

### Micro city map

For areas covered by the micro city map (some major cities), a micro city map can be selected.

When the map is scaled down to 50 m,


changes to and can be selected to display the micro city map.

- 1 Select on the map screen.

- 2 Check that the micro city map is displayed.




- A** Select to set display of one way street marks on/off.

- To return to the normal map display, select .
- If the map or the current position is moved to the area which is not covered by the micro city map, the screen scale automatically changes to 50 m.
- Scrolling the micro city map is not available while driving.
- Certification

Building micro cities in the database were created and provided by TomTom.

### 3D suburb model map

A 3D suburb model map can be displayed for some areas in major cities when the map scale is 100 m or less on the 3D map screen.

- To display the normal map, select .
- The 3D suburb model map can be set the display on/off. (→P.103)

### Rotating 3D map


3D map and 3D suburb model map can be rotated when arrows appear around the cursor while scrolling.

- 1 Select an arrow to rotate.




### Orientation of the map


The orientation of the map can be changed between 2D north-up, 2D heading-up and 3D heading-up by selecting the orientation symbol displayed at the top left of the screen.

: North-up symbol

Regardless of the direction of vehicle travel, north is always up.

: Heading-up symbol

The direction of vehicle travel is always up.

: 3D Heading-up symbol

The direction of vehicle travel is always up.

- The letter(s) under this symbol indicate the vehicle's heading direction (e.g. N for north).

### Map scroll operation

The map can be scrolled to view locations that are different than your current position.


- 1 Select the desired point on the map screen.

- Move the desired point on the centre of the map screen.



**A** Cursor mark

**B** Distance from the current position to the cursor mark

- Press the  button on the Remote Touch. The following buttons can be displayed.

“Save”: Select to register as a memory point. To change the icon, name, etc.:  
→P.97

“Go”: Select to set as a destination.  
(→P.86)

- Press the “MAP” button on the Remote Touch to return to the current position.

### Flick scroll operation

The map screen can be moved to drag or flick the touchpad on the Remote Touch. To activate drag/flick operation, “Map flick” is required to be “On”.  
(→P.103)

- 1 Select the desired point on the map screen.
  - Move the desired point on the centre of the map screen.
  - After the screen is scrolled, it is pos-

sible to do the drag or flick operation on the touchpad.

- 2 Press the touch pad again, the switches on the display can be selected.

### Adjusting location in small increments

The cursor location can be adjusted in small increments. 8 directional arrows may appear in the following cases.

- When “Adjust location” is selected on the map screen
- When changing the location of memory points on the editing screen (→P.99, 102)
- When adjusting the current position mark manually on the calibration screen (→P.106)

- 1 Select one of the 8 directional arrows to move the cursor to the desired point and then select “OK”.



### Displaying the point searched for

When the list screen is displayed (such as when searching for destinations, etc.), the point currently being selected on the list screen is displayed on the

side display.




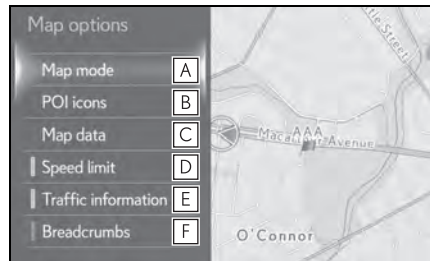
- A** Select the map to switch it between displaying only the area around the destination and the area from the current location to the destination.

## Map screen information

Information such as POI icons, route trace, speed limit, etc. can be displayed on the map screen.


## Displaying the map options screen

- 1 Select  on the map screen.
- 2 Select the desired items to be displayed.

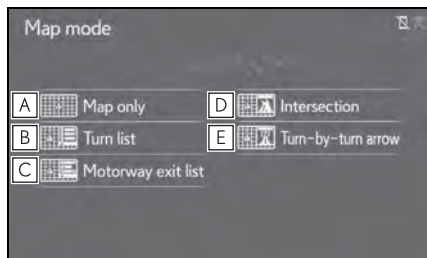


- A** Select to display the desired map configuration. (→P.73)
- B** Select to select or change POI icons. (→P.74)
- C** Select to display the map version and legal information. (→P.117)
- D** Select to display speed limit icon.
- E** Select to display traffic information. (→P.78)
- F** Select to display route trace. (→P.75)

## Changing the map mode

- 1 Select  on the map screen.

- 2 Select "Map mode".
- 3 Select the desired configuration button.

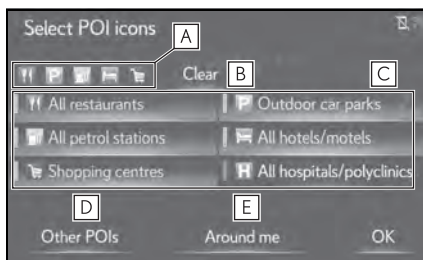


- A** Select to display the single map screen.
  - B** Select to display the turn list screen. (→P.93)
  - C** Select to display the motorway exit list screen. (→P.92)
  - D** Select to display the intersection guidance screen or the guidance screen on the motorway. (→P.92, 93)
  - E** Select to display the turn-by-turn arrow screen. (→P.93)
- Depending on the conditions, certain screen configuration buttons cannot be selected.

### Selecting the POI icons

- 1 Select  on the map screen.
- 2 Select "POI icons".

- 3 Select the desired POI category and select "OK".



- A** Displays up to 5 selected POI icons on the map screen.
- B** Select to cancel the selected POI icons.
- C** Displays up to 6 POI icons as favourite POI categories. (→P.105) If a POI category is selected to be displayed on the map, its icon will be displayed above.
- D** Select to display other POI categories if the desired POIs cannot be found on the screen. (→P.74)
- E** Select to search for the nearest POIs. (→P.75)


### Selecting other POI icons to be displayed

- 1 Select "Other POIs".
- 2 Select the desired POI categories and select "OK".

"List all categories": Select to display all POI categories.

### Displaying the local POI list

POIs that are within 32 km of the current position will be listed from among the selected categories.

- 1 Select "Around me".
- 2 Select the desired POI.
  - Press the  button on the Remote Touch. The following buttons can be displayed.

"Near here": Select to search for POIs near the current position.

"Along my route": Select to search for POIs along the route.


"Web search": Select to search for POI using online database. (→P.83)

- 3 Check that the selected POI is displayed on the map screen.

### Route trace

The traveled route can be stored and retraced on the map screen. This feature is available when the map scale is 50 km or less.


### Start recording the route trace

- 1 Select  on the map screen.
- 2 Select "Breadcrumbs".
- The route trace starts.

- 3 Check that the traveled line is displayed.



### Stop recording the route trace

- 1 Select  on the map screen.
- 2 Select "Breadcrumbs" again.
- 3 A confirmation screen will be displayed.



"Yes": Select to keep the recorded route trace.

"No": Select to erase the recorded route trace.

- The traveled route can be stored up to 200 km in each route trace.

### Switching the map mode on the side display

The map mode on the side display can be changed.

- 1 Select  or  to change the map mode.



“Map”: Display the single map screen.


“Compass”: Display the compass mode screen. (→P.76)


## Compass

Information about the destination, current position and a compass is displayed on the screen.

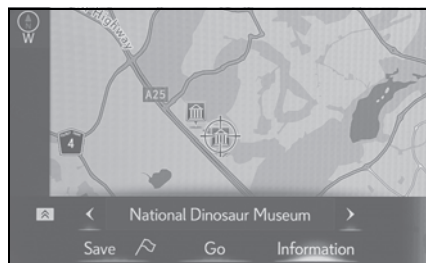
- The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.
- When the vehicle travels out of the coverage area, the guidance screen changes to the whole compass mode screen.

## Displaying information about the icon where the cursor is set

When the cursor is placed over an icon on the map screen, and the  button on the Remote Touch is pressed, the name of icon is displayed. If “Information” appears on the bottom of the name, detailed information can be displayed.

- 1 Place the cursor over an icon.
- 2 Press the  button on the Remote Touch.


### 3 Select “Information”.



### 4 Check that the information screen is displayed.

“Save”: Select to register as a memory point. To change the icon, name, etc.:  
→P.97

“Go” / “Enter”: Select to set as a destination.



: Select to call the registered number.

“Delete”: Select to delete destination or memory point.

“Edit”: Select to display the edit memory point screen.

- Even when traffic information is not currently being received, traffic information and “Information” will be displayed for a while after traffic information has been received.
- In some situations, calls to a POI may automatically change to an international call or may not be possible as a domestic call.

## Standard map icons

Icon	Name
	Capital
	Suburb

Icon	Name
	Green space/Park
	Airport
	Ferry terminal
	Hospital
	Golf
	Shopping mall
	Station
	Other

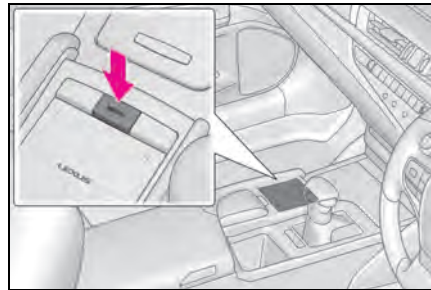
## Traffic information \*


\*: This function is not made available in some countries or areas.

**Traffic data can be received via FM Radio broadcast to display traffic information on the map screen.**

## Displaying the traffic screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Information".
- 3 Select  "Traffic incidents" on the sub menu.
- 4 Select the desired item.

"Traffic events on current road": Select to display traffic information for the current road. (→P.78)

"Traffic events on current route": Select to display traffic information for the set route. (→P.78)


"Traffic events nearby": Select to display nearby traffic information. (→P.78)

"My traffic routes": Select to display traffic along the saved routes. (→P.78)

- If a large amount of information is being received, it may take longer than normal for the information to be displayed on the screen

### Displaying traffic information

A list of current traffic information can be displayed along with information on the location of each incident.

- 1 Display the traffic incidents screen:
  - “MENU” button → “Information” →  “Traffic incidents” on the sub menu
- 2 Select “Traffic events on current road”, “Traffic events on current route” or “Traffic events nearby”.
- 3 Select the desired traffic information.
  - ▶ When “Traffic events nearby” is selected, depending on whether the traffic flow information is enabled/disabled, the following will be displayed:

When enabled: Traffic event and congestion information


When disabled: Traffic event information only

- 4 Check that the traffic information is displayed.

“Details”: Select to display detailed traffic information.

### My traffic routes

Traffic information along the saved routes can be displayed. To use this function, it is necessary to register a route. (→P.111)

- 1 Display the traffic incidents screen:
  - “MENU” button → “Information” →  “Traffic incidents” on the sub

menu


- 2 Select “My traffic routes”.
  - If map data has been updated, a confirmation screen will be displayed. Select “OK” or “Do not tell me again.”.
- 3 Select the desired route.
 

“Options”: Select to add, edit or delete personal routes. (→P.111)

  - If routes have not been registered yet, a confirmation screen will be displayed. Select “Yes” to register the route.
- 4 Select the desired traffic information.
- 5 Check that the traffic information is displayed.

“Details”: Select to display detailed traffic information.

### Displaying traffic information on the map

- 1 Select  on the map screen.
- 2 Select “Traffic information”.
- 3 Check that the traffic information is displayed.


- The icons indicate traffic incidents such as construction, accidents, etc. Select an icon to hear more detail by voice.
- The arrows indicate the flow of traffic. The colour changes depending on the speed.

## Destination search operation

### Destination search screen

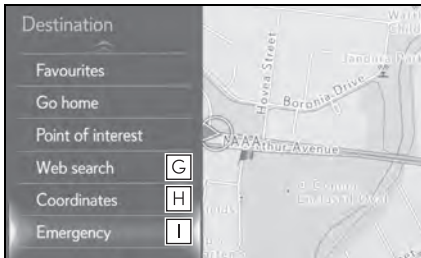
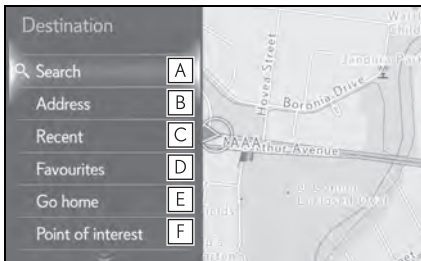
The destination screen enables to search for a destination. The destination screen can be reached by the following methods:

#### ■ From the map screen

- 1 Press the “MAP” button on the Remote Touch.
- 2 Select .
- 3 Follow the steps in “From the menu screen” from step 3. (→P.79)

#### ■ From the menu screen

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Destination”.
- 3 Select the desired search method.




- A** Select to search for a destination by entering any search terms.

(→P.80)

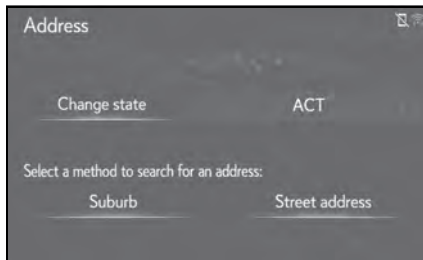
- B** Select to search for a destination by address. (→P.80)
- C** Select to search for a destination from recent set destinations. (→P.81)
- D** Select to search for a destination from a registered entry in “Favourites”. (→P.82)
- E** Select to set a destination by home. (→P.82)
- F** Select to search for a destination by point of interest. (→P.82)
- G** Select to search for a destination by online database. (→P.263)
- H** Select to search for a destination by coordinates. (→P.84)
- I** Select to search for a destination from emergency service points. (→P.84)

### Selecting search area

The selected state (province) can be changed to set a destination from a different state (province) by using “Address” or “Point of interest”.

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Address” or “Point of interest”.


- 3 Select “Select state” or “Change state”.



- If a state (province) has not been selected yet, “Select state” is displayed.
- 4 Select the desired state (province).
- To change countries, select the “Australia” or “New Zealand” button.

### Searching by keyword

The destination can be searched by entering various keywords.

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Search”.
- 3 Enter characters on the keyboard and select “Search”.
  - When entering characters, if a list of predicted destinations is displayed on the side display, a destination can be selected from the list.
- 4 Select the desired destination.


- A search term can be searched using only the body part of its name.

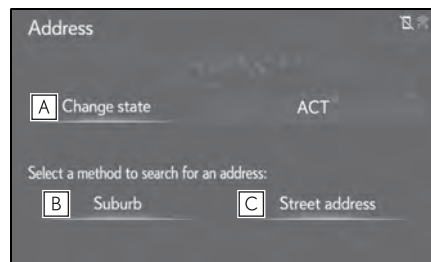
For example: S WESTERN AVE

- A search can be performed by entering “S WESTERN AVE”, “WESTERN AVE” or “WESTERN”.

### Searching by address

There are 2 methods to search for a destination by address.

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Address”.
- 3 Select the desired search method.



- A** Select to change the search area. (→P.79)
- B** Select to search by suburb. (→P.80)
- C** Select to search by street address. (→P.81)

### Searching by suburb

- 1 Select “Suburb”.
- 2 Enter a suburb name and select “OK”.

“Option”: Select to select a suburb in a different way. (→P.81)

- 3 Select the desired suburb name.
  - 4 Enter a street name and select "OK".
  - 5 Select the desired street name.
  - 6 Enter a house number and select "OK".
- If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.

#### Selecting a suburb in a different way

- 1 Select "Option".
- 2 Select the desired item.

"Postal code": Select to enter the postal code. (→P.81)

"Last 5 suburbs": Select from the last 5 suburbs.

"Nearest 5 suburbs": Select from the nearest 5 suburbs.

- 3 Select the desired suburb name.

#### ■ By entering the postal code

- 1 Select "Postal code".
- 2 Enter the postal code and select "OK".
- 3 Select the desired postal code.



- If the navigation system has never been used, selecting the suburb name from "Last 5 suburbs" will not be available.

#### Searching by street address

- 1 Select "Street address".
- 2 Enter a house number and select "OK".

- 3 Enter a street name and select "OK".
  - 4 Select the desired street name.
  - 5 Enter a suburb name and select "OK".
  - 6 Select the desired suburb name.
- If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.


#### Searching from recent destinations

- 1 Display the destination search screen by either operation:
    - "MAP" button → 
    - "MENU" button → "Destination"
  - 2 Select "Recent".
  - 3 Select the desired destination.
- Press the  button on the Remote Touch. The following button can be displayed.

"Delete recent destinations": Select to delete the recent destination. (→P.81)

- Up to 100 previously set destinations are displayed on the screen.

#### Deleting recent destinations

- 1 Select "Delete recent destinations".
  - 2 Select the desired recent destination(s) to be deleted.
- Press the  button on the Remote Touch. The following button can be


displayed.

“Delete all previous destinations”: Select to delete all recent destinations on the list.

- 3 Select “Yes” when the confirmation screen appears.


### Searching by favourites list

To use this function, it is necessary to register an favourites list entry. (→P.97)

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Favourites”.
- 3 Select the desired favourites list entry.

### Setting home as destination


To use this function, it is necessary to register a home address. (→P.97)

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Go home”.
- The navigation system performs a search for the route and the route overview is displayed. (→P.87)

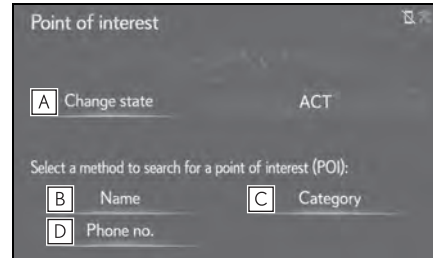
### Searching by point of interest

There are 3 methods to search for a destination by Points of Interest.

- 1 Display the destination search screen by either operation:

- “MAP” button → 
- “MENU” button → “Destination”

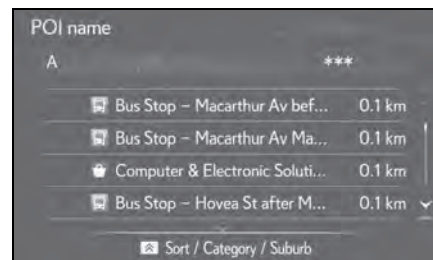
- 2 Select “Point of interest”.
- 3 Select the desired search method.



- A Select to change the search area. (→P.79)
- B Select to search by name. (→P.82)
- C Select to search by category. (→P.83)
- D Select to search by phone number. (→P.84)

### Searching by name

- 1 Select “Name”.
- 2 Enter a POI name and select “OK”.
- 3 Select the desired POI.



- Press the  button on the Remote

Touch. The following buttons can be displayed.


“Change POI category”: Select to search for POI from the category list. (→P.83)

“Enter a suburb name”: Select to search for POI in the desired suburb. (→P.83)

“Web search”: Select to search for POI using online database. (→P.83)

- When entering the name of a specific POI, and there are 2 or more sites with the same name, the list screen will be displayed. Select the desired POI.

### Selecting a suburb to search


- 1 Press the  button on the Remote Touch.
- 2 Select “Enter a suburb name”.
- 3 Enter a suburb name and select “OK”.

“Any suburb”: Select to cancel the suburb setting.

“Option”: Select to select a suburb in a different way. (→P.81)

- 4 Select the desired suburb name.
- 5 Select the desired POI.


### Selecting from the categories

- 1 Press the  button on the Remote Touch.
- 2 Select “Change POI category”.
- 3 Select the desired category.
- If there is more than 1 result for the selected category, a detailed list will be displayed.

“List all categories”: Select to display all POI categories.

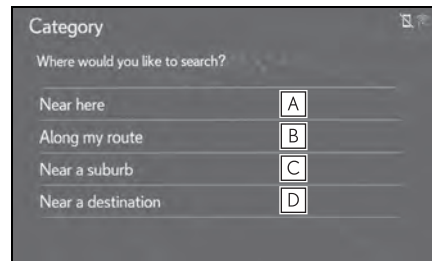
- 4 Select the desired POI.

### Searching for POI using web search

- 1 Press the  button on the Remote Touch.
- 2 Select “Web search”.
- 3 Select the desired search engine icon.
- For the procedure on how to conduct a search via a search engine, follow the steps in “Setting a destination using Lexus App Suite” from step 5. (→P.264)

### Searching by category

- 1 Select “Category”.
- 2 Select the desired search point.



- A Select to search for POIs near your current position.
- B Select to search for POIs along the set route.
- C Select to search for POIs near a specific city centre. (→P.84)
- D Select to search for POIs near a destination. When more than 1 des-

tionation has been set, a list will be displayed on the screen. Select the desired destination.

- 3 Select the desired POI category.
  - If there is more than 1 result for the selected category, a detailed list will be displayed.

“List all categories”: Select to display all POI categories.

“Favourites POI categories”: Select to use the 6 POIs that have been previously set. (→P.105)

- 4 Select the desired POI.

The direction mark () displayed on the list screen always shows north up.

The arrow shows the direction to POI.

- The names of POIs located within approximately 300 km from the selected search point can be displayed.

### When “Near a suburb” is selected

- 1 Select “Near a suburb”.
- 2 Enter a suburb name and select “OK”.

“Option”: Select to select a suburb in a different way. (→P.81)

- 3 Select the desired suburb name.
- 4 Select “OK” when the suburb centre map screen is displayed.
- 5 Follow the steps in “Searching by category” from step 3. (→P.83)


### Searching by phone number

- 1 Select “Phone no.”.

- 2 Enter a phone number and select “OK”.
  - If multiple locations with the same phone number exist, the list screen will be displayed.

### Searching by coordinates


Searching by latitude and longitude coordinates is available using both DMS format (for example: 12°34'56.7”), DEG format (for example: 12.34567) and DMM format (for example: 12°34.567”).

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Coordinates”.
- 3 Enter the latitude and longitude, and select “OK”.

### Changing the coordinates format

- 1 Select “Coordinates Format”.
- 2 Select the desired coordinates format and select “OK”.

### Searching by emergency

- 1 Display the destination search screen by either operation:
  - “MAP” button → 
  - “MENU” button → “Destination”
- 2 Select “Emergency”.

- 3 Select the desired emergency category.
- 4 Select the desired destination.

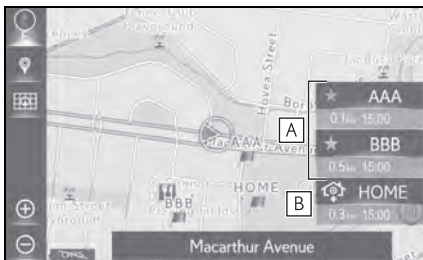
- The navigation system does not guide in areas where route guidance is unavailable. (→P.115)

### One-touch setting home/favourite as a destination

To use this function, it is necessary to register a home and/or a favourite location. Up to 2 favourites can be registered as preset destinations. (→P.97, 98)

To set the home or a preset destination as the destination, select the corresponding button.

- 1 Turn the power switch to ACCESSORY or ON mode.
- 2 Press the “MAP” button on the Remote Touch.
- 3 Select the desired item.



- A** Select to set a registered favourite as the destination. (Up to 2 favourites can be registered as preset destinations.)
- B** Select to set the registered home as the destination.

- The distance with estimated time of arrival to the registered home and preset destinations from the current position will be displayed.
- If the home or a preset destination has not been registered, “Set home” or “Set favourite” will be displayed, respectively. To register a home or preset destination, select the corresponding button.

- The one-touch buttons for home and favourites will disappear after the vehicle has been driven for a while.
- The colour of the estimated arrival time indicator may change depending on the traffic information received.
- This function is available when “Automatic destination list info” is set to on. (→P.104)

### Searching by smartphone collaboration

The location received from a smartphone can be set as a destination. It is necessary to connect between the smartphone and the navigation system. (→P.42)

- 1 Operate the smartphone to search for the desired location.
  - 2 Check that the confirmation screen is displayed and select “Yes”.
- If a destination has already been set, “Go directly” and “Add to route” will be displayed.

“Go directly”: Select to delete the existing destination(s) and set a new one.

“Add to route”: Select to add a destination.

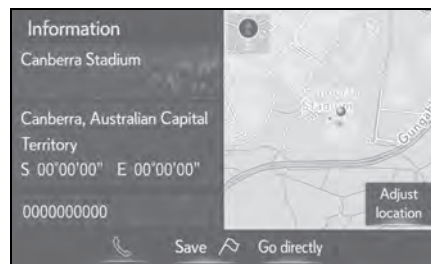
- The navigation system performs a search for the route and the route overview is displayed. (→P.87)
- 
- The smartphone collaboration can be set to on/off. (→P.42)
  - Contact your Lexus dealer about smartphones and applications for smartphone collaboration.

## Starting route guidance

When the destination is set, the confirm destination screen will be displayed.

## Starting route guidance

- 1 Select “Go directly” on the confirm destination screen.



- For details about this screen: →P.87

- 2 Select “OK” on the route overview screen.



- For details about this screen: →P.87

- The route for returning may not be the same as that for going.
- The route guidance to the destination may not be the shortest route or a route without traffic congestion.
- Route guidance may not be available if

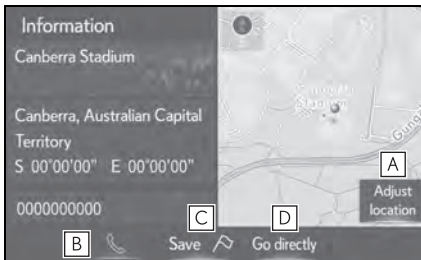
there is no road data for the specified location.

- When setting the destination on a map with a scale more than 800 m, the map scale changes to 800 m automatically. If this occurs, set the destination again.
- If a destination that is not located on a road is set, the vehicle will be guided to the point on a road nearest to the destination. The road nearest to the selected point is set as the destination.

### ! WARNING

- Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may not indicate such changed information.

### Confirm destination screen

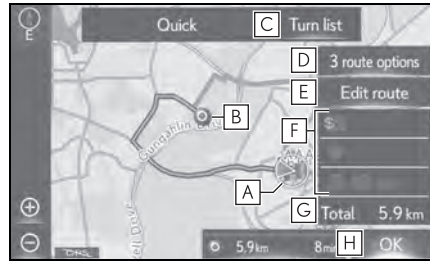


- A** Select to adjust the position in smaller increments. (→P.72)
  - B** Select to call the registered number.
  - C** Select to register as a memory point.
  - D** Select to search for the route. (→P.86)
    - If a destination has already been set, “Go directly” and “Add to route” will be displayed.
- “Go directly”: Select to delete the existing

destination(s) and set a new one.

“Add to route”: Select to add a destination to the current route.

### Route overview screen



- A** Current position
- B** Destination point
- C** Select to display a list of the turns required to reach the destination. (→P.88)
- D** Select the desired route from 3 possible routes. (→P.88)
- E** Select to change the route. (→P.89)
- F** Type of route and its distance
- G** Distance of the entire route
- H** Select to start guidance. Select and hold to start demo mode. (→P.87)
  - When the side display is hidden, the turn list screen will be displayed on the side display.

### Starting demo mode

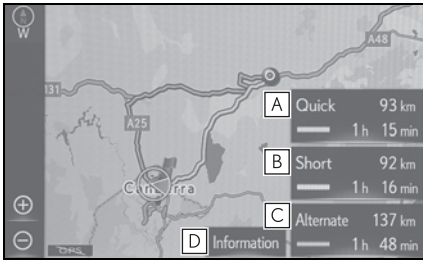
Before starting the route guidance, the demonstration of the route guidance

can be viewed.

- 1 Select and hold "OK" on the route overview screen until a beep sounds.
- Press the "MAP" button on the Remote Touch to end demo mode.

**3 routes selection**

- 1 Select "3 route options".
- 2 Select the desired route.

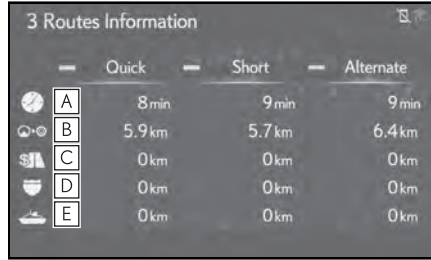


- A** Select to display the quickest route.
- B** Select to display the route that is the shortest distance to the set destination.
- C** Select to display the alternative route.
- D** Select to display the information about the 3 routes. (→P.88)
- When the side display is hidden, the 3 routes information screen will be displayed on the side display.

**Displaying 3 routes information**

- 1 Select "Information".

- 2 Check that the 3 routes information screen is displayed.

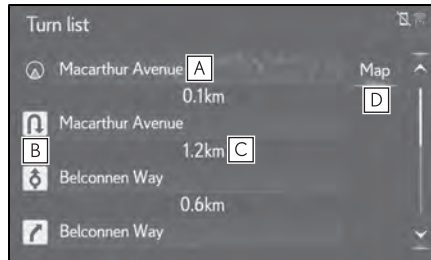


- A** Time necessary for the entire trip
- B** Distance of the entire trip
- C** Distance of the toll road
- D** Distance of the motorway
- E** Distance of the ferry trip

**Displaying turn list**

A list of turn information from the current position to the destination can be displayed.

- 1 Select "Turn list".
- 2 Check that the turn list is displayed.



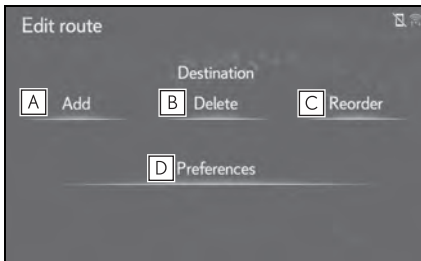
- A** Current position
- B** Turn direction at the intersection
- C** Distance to the next turn
- D** Select to display the map of the selected point.

- Not all road names on the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through 2 or more cities), the name change will not appear on the list. The street names will be displayed in order from the starting point, along with the distance to the next turn.

### Editing route

Destinations can be added, reordered or deleted, and conditions for the route to the destination can be changed.

- 1 Select "Edit route".
- 2 Select the desired item.



- A** Select to add destinations. (→P.89)
- B** Select to delete destinations. (→P.89)
- C** Select to reorder destinations. (→P.95)
- D** Select to set route preferences. (→P.95)

### Adding destinations

- ▶ When the vehicle is stopped
- 1 Select "Add".

- 2 Search for an additional destination in the same way as a destination search. (→P.79)


- Up to 5 destinations can be set.
- 3 Select "Add destination here" at the position in the route which you want to add the destination.

▶ While driving

- 1 Select "Add".
- 2 Search for an additional destination in the same way as a destination search. (→P.79)

- Up to 5 destinations can be set.
- 3 Select "Beginning" or "End".

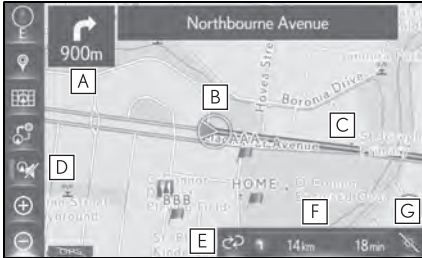
### Deleting destinations



- 1 Select "Delete".
  - 2 Select "Yes" when the confirmation screen appears.
- If more than 1 destination has been set, select the destination(s) to be deleted. (The system will recalculate route(s) to the remaining set destination(s).)
  - Press the  button on the Remote Touch, and all the destinations on the list can be deleted. Select "Yes" when the confirmation screen appears.

## Route guidance screen

During the route guidance, various types of guidance screens can be displayed depending on conditions.

### Screen for route guidance



- A** Distance to the next turn and an arrow indicating the turning direction
- B** Current position
- C** Guidance route
- D** Select to mute the voice guidance.
- E** Route information change button (→P.90)
- F** Route information bar (→P.90)
- G** Select to delete destinations. (→P.26)  
If the map screen is not operated for a certain amount of time,  will be hidden. If “Auto hide buttons” on the detailed navigation settings screen is set to off,  will be displayed continuously. (→P.103)

the route will be recalculated.

- For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select a road that should not be traveled on.
- When the automatic zoom function is enabled, the map will automatically change to a detailed map as the vehicle approaches a guidance point.
- Vehicle with head-up display: When the head-up display is set to on, turn-by-turn guidance arrows will be displayed on the windshield.

### Changing route information

When the vehicle is on the guidance route, the route information bar displays the distance to the destination and the estimated travel time/destination arrival time or traffic information.

- 1 Select to change the display between the distance with the estimated travel/ arrival time (→P.90) and the traffic information (→P.91).



#### ■ Distance and time to destination

To use this function, it is necessary to be selected the distance with the estimated travel/arrival time for route information bar (→P.90).

- If the vehicle goes off the guidance route,

- ▶ When the set destination is 1
- 1 Select the route information bar to change the display of the route information bar between the estimated travel time and the estimated arrival time.



- ▶ When the set destinations are more than 1
- 1 Select the route information bar.
- 2 Check that the list of the distance and time is displayed.



“Arrival time”: Select to display the estimated arrival time.

“Time to dest.”: Select to display the estimated travel time.

- By selecting one of the number buttons, the desired route information is displayed.
- 
- When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time are calculated based on the average speed of the specified speed limits and

current traffic information.

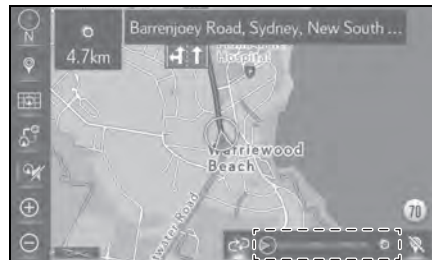
- When the vehicle gets off the guidance route, the arrow facing the destination is displayed instead of the estimated travel/arrival time.
- The route information bar fills from left to right as the vehicle progresses on the route.

### ■ Traffic information\*

When traffic information is received, the traffic information bar is displayed.

The colour of the bar indicates specific road conditions. Red indicates a traffic jam. Yellow indicates a crowded road. Green indicates a vacant road. White indicates\* other traffic regulations.

- 1 Select the route information change button (→P.90) to change the display of the route information bar.
- 2 Check that the traffic information is displayed.

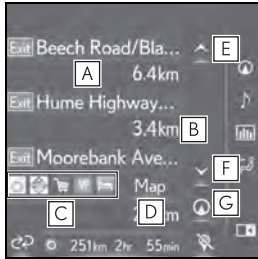


- When multiple destinations are set, traffic information are displayed up to the nearest destination area.

\*: This function is not available in some countries or areas.

### During motorway driving

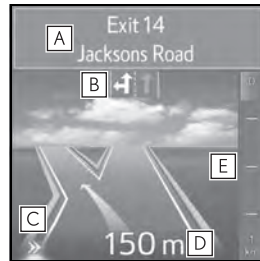
During motorway driving, the motorway information screen will be displayed on the side display.



- A** Name of the motorway exit/rest area.
- B** Distance from the current position to the motorway exit/rest area.
- C** POIs that are close to a motorway exit
- D** Select to display the selected map of the exit vicinity.
- E** Select to scroll to farther motorway exits/rest areas.
- F** Select to scroll to closer motorway exits/rest areas.
- G** Select to display the nearest motorway exits/rest areas from the current position.

### When approaching motorway exit or junction

When the vehicle approaches an exit or junction, the motorway guidance screen will be displayed on the side display.



- A** Next exit or junction name
- B** Lane guidance
- C** Select to hide the motorway guidance screen.
  - To return to the motorway guidance screen, press the "MAP" button on the Remote Touch.
- D** Distance from the current position to the exit or junction
- E** Remaining distance bar to the guidance point

- This function is available when "Intersection zoom map" is set to on. (→P.104)

### When approaching junction

When the vehicle approaches a junction, the junction view with signage will be displayed on the side display.



- A** Next junction or street name
- B** Select to hide the real motorway

junction view.

- To return to the real motorway junction view, press the “MAP” button on the Remote Touch.

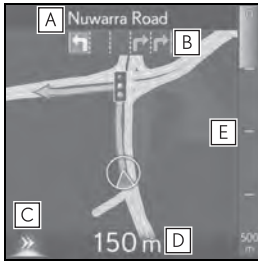
**C** Distance from the current position to the next junction

**D** Remaining distance bar to the guidance point

- This function is available when “Intersection zoom map” is set to on. (→P.104)

### When approaching intersection

When the vehicle approaches an intersection, the intersection guidance screen will be displayed on the side display.




- A** Next street name
- B** Lane guidance
- C** Select to hide the intersection guidance screen.
  - To return to the intersection guidance screen, press the “MAP” button on the Remote Touch.
- D** Distance to the intersection
- E** Remaining distance bar to the guidance point

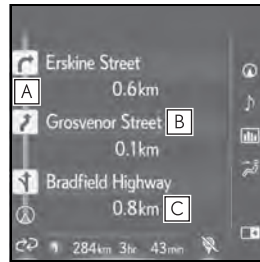
- A hook turn guidance screen is displayed

for nearby intersections.

- This function is available when “Intersection zoom map” is set to on. (→P.104)

### Turn list screen


- 1 Select  on the map screen.
- 2 Select “Map mode”.
- 3 Select “Turn list”.
- 4 Check that the turn list screen is displayed.



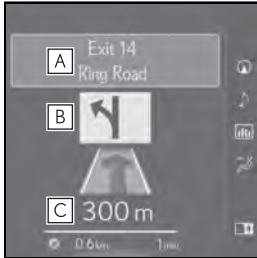
- A** Turn direction
- B** Next street or destination name
- C** Distance between turns

### Turn-by-turn arrow screen

On this screen, information about the next turn on the guidance route can be displayed on the side display.

- 1 Select  on the map screen.
- 2 Select “Map mode”.
- 3 Select “Turn-by-turn arrow”.

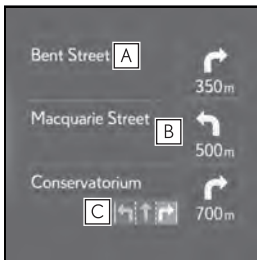
- 4 Check that the turn-by-turn arrow screen is displayed.



- A** Exit number and street name  
**B** Turn direction  
**C** Distance to the next turn

### Lane list screen

When using route guidance on roads with two or more lanes, and lane information is available on the map, the lane and direction can be displayed on the side display. The lane that you should drive in is highlighted.



- A** Next street or destination name  
**B** Distance to the next turn and an arrow indicating the turning direction  
**C** Lane guidance

### Typical voice guidance prompts

As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the system's voice guidance will provide various messages.


- If a voice guidance command cannot be heard, press the "MAP" button on the Remote Touch.
- To adjust the voice guidance volume: →P.62
- To mute the voice guidance: →P.90
- Voice guidance may be made early or late.
- If the system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.

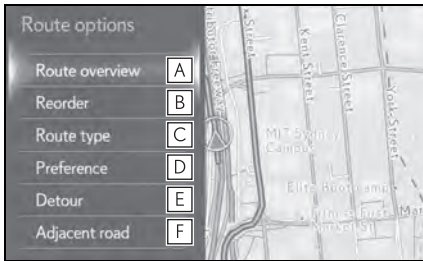
### ! WARNING

- Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads (roads that are not completely digitized in our database). The route guidance may not have the updated information such as the direction of a one way street.

## Editing route

### Displaying the edit route screen


- 1 Select  on the map screen.
- 2 Select the desired item to be set.



- A** Select to display the overview of the entire route.
  - B** Select to reorder destinations. (→P.95)
  - C** Select to change route type. (→P.95)
  - D** Select to set route preferences. (→P.95)
  - E** Select to set detours. (→P.96)
  - F** Select to start from adjacent road. (→P.96)
- 3 Check that the route overview is displayed. (→P.87)


### Reordering destinations

When more than 1 destination has been set, the arrival order of the destinations can be changed.

- 1 Select  on the map screen.
- 2 Select “Reorder”.


- 3 Select the desired destination and select “Move Up” or “Move Down” to change the arrival order. Then select “OK”.

### Selecting route type

- 1 Select  on the map screen.
- 2 Select “Route type”.
- 3 Select the desired route type.
  - During driving, the route guidance starts after selecting the desired route type.
- 4 The entire route from the starting point to the destination is displayed.
  - For details about this screen: →P.87

### Setting route preferences


The conditions to determine the route can be selected from various choices such as motorways, unsealed roads, 4WD tracks, etc.

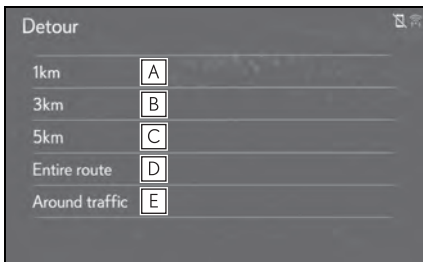
- 1 Select  on the map screen.
  - 2 Select “Preference”.
  - 3 Select the desired route preferences and select “OK”.
    - To select “4WD Tracks”, “Unsealed road” is required to be on. When “Unsealed road” is off, “4WD Tracks” will be dimmed.
- 
- Even if the “Motorways” route preference is turned off, the route may not be able to avoid motorway in some cases.
  - If the calculated route includes a trip by

ferry, the route guidance shows a sea route. After traveling by ferry, the current position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

### Detour setting

During the route guidance, the route can be changed to detour around a section of the route where a delay is caused by road repairs, an accident, etc.

- 1 Select  on the map screen.
- 2 Select "Detour".
- 3 Select the desired detour distance.

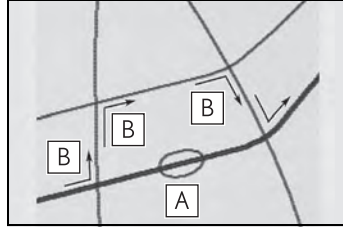


- A** Select to detour within 1 km of the current position.
- B** Select to detour within 3 km of the current position.
- C** Select to detour within 5 km of the current position.
- D** Select to detour on the whole route.
- E** Select to make the system search for the route based on traffic congestion information received from traffic information. \* (→P.77)

\*: This function is not made available in

some countries or areas.

- This picture shows an example of how the system would guide around a delay caused by a traffic jam.




- A** This position indicates the location of a traffic jam caused by road repairs, an accident, etc.
  - B** This route indicates the detour suggested by the system.
- When the vehicle is on a motorway, the detour distance selections are 5, 15 and 25 km if units are in km.
  - The system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.

### Adjacent road

When a motorway and a surface road run in parallel, the system may show the guidance route going on the motorway while driving on the surface road, or vice versa.

If this happens, you can instantly choose the adjacent road for the route guidance.

- 1 Select  on the map screen.
- 2 Select "Adjacent road".

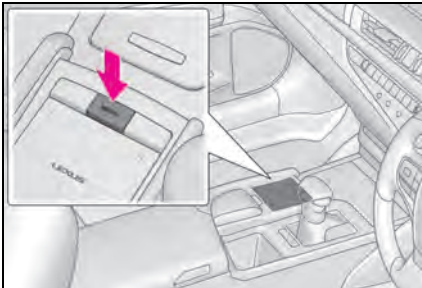
- When there is no adjacent road, this screen button will not be displayed.


## Navigation settings

Home, favourites list entries, areas to avoid can be set as memory points. The registered points can be used as the destinations. (→P.79) Registered areas to avoid, will be avoided when the system searches for a route.

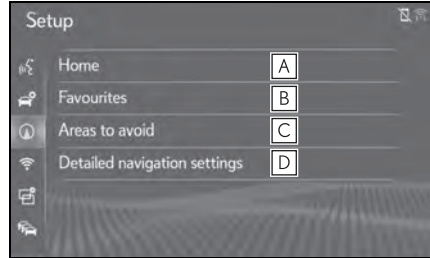
### Displaying navigation settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Navigation" on the sub menu.
- 4 Select the desired item to be set.


### Navigation settings screen



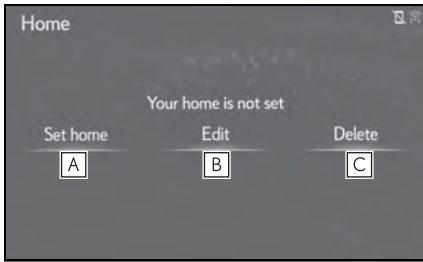
- A Select to set home. (→P.97)
- B Select to set the favourites list. (→P.98)
- C Select to set areas to avoid. (→P.101)
- D Select to set detailed navigation settings. (→P.103)

### Setting up home

If home has been registered, that information can be recalled by selecting "Go home" on the destination screen. (→P.79)

- 1 Display the navigation settings screen:
  - "MENU" button → "Setup" →  "Navigation" on the sub menu
- 2 Select "Home".

- 3 Select the desired item to be set.



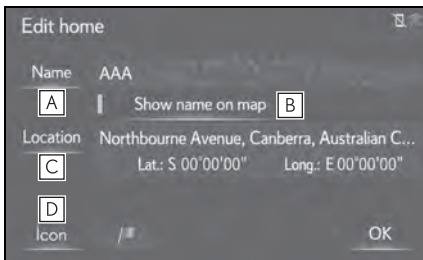
- A** Select to register home. (→P.98)  
**B** Select to edit home. (→P.98)  
**C** Select to delete home. (→P.98)

### Registering home

- 1 Select "Set home".
- 2 Select the desired item to search for the location. (→P.79)
- 3 Select "OK" when the editing home screen appears.

### Editing home

- 1 Select "Edit".
- 2 Select the desired item to be edited.



- A** Select to edit the home name. (→P.99)  
**B** Select to set display of the home

name on/off.


- C** Select to edit location information. (→P.99)  
**D** Select to change the icon to be displayed on the map screen. (→P.100)  
 3 Select "OK".

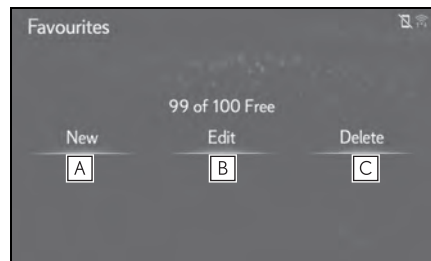
### Deleting home

- 1 Select "Delete".
- 2 Select "Yes" when the confirmation screen appears.

### Setting up favourites list

Points on the map can be registered.

- 1 Display the navigation settings screen:
  - "MENU" button → "Setup" →  "Navigation" on the sub menu
- 2 Select "Favourites".
- 3 Select the desired item.



- A** Select to register favourites list entries. (→P.99)  
**B** Select to edit favourites list entries. (→P.99)  
**C** Select to delete favourites list

entries. (→P.101)


### Registering favourites list entries

- 1 Select "New".
- 2 Select the desired item to search for the location. (→P.79)
- 3 Select "OK" when the editing favourites list screen appears. (→P.99)

- Up to 100 favourites list entries can be registered.

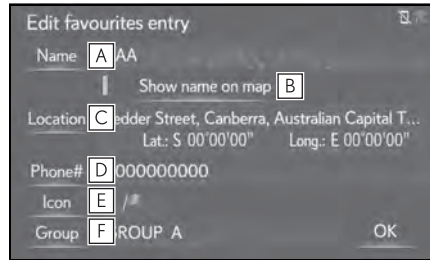
### Editing favourites list entries

The icon, name, location and/or phone number of a registered favourite list entry can be edited.

- 1 Select "Edit".
  - 2 Select the desired favourites list entry.
- Each time a star icon is selected, its colour will change. Coloured star icons indicate that the favourite is registered to the corresponding preset destination button. Up to 2 entries can be registered as quick favourite destinations. (→P.85)
  - Press the  button on the Remote Touch. The following buttons can be displayed.

"Group filter": Select to display the desired group items in the memory point list. (→P.101)

- 3 Select the desired item to be edited.



- A Select to edit the favourites list entry name. (→P.99)
  - B Select to set display of the favourites list entry name on/off.
  - C Select to edit location information. (→P.99)
  - D Select to edit the phone number. (→P.100)
  - E Select to change the icon to be displayed on the map screen. (→P.100)
  - F Select to register group. (→P.100)
- 4 Select "OK".

### Changing the name

- 1 Select "Name".
- 2 Enter a name and select "OK".

### Changing the location

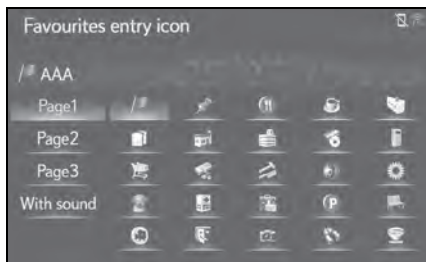
- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.72) and select "OK".

### Changing phone number

- 1 Select "Phone #".
- 2 Enter the phone number and select "OK".

### Changing the icon

- 1 Select "Icon".
- 2 Select the desired icon.



"Page 1"/"Page 2"/"Page 3": Select to change pages.

"With sound": Select the desired icons with sound.

#### ■ When "With sound" is selected

A sound for some favourites list entries can be set. When the vehicle approaches the location of the favourites list entry, the selected sound will be heard.

- 1 Select "With sound".
- 2 Select the desired sound icon.



: Select to play the sound.


- When "Bell (with direction)" is selected, select an arrow to adjust the direction and select "OK".
- The bell sounds only when the vehicle approaches this point in the direction that has been set.

### Setting the group


Memory point groups can be set and changed.

- 1 Select "Group".
- 2 Select the group the memory point is to be registered with.



#### ■ To register a new group

- 1 Press the  button on the Remote Touch.
- 2 Select "New group".
- 3 Enter the group name and select "OK".


#### ■ To edit group name

- 1 Press the  button on the Remote Touch.
- 2 Select "Edit name".
- 3 Select the group to be edited.
- 4 Enter the group name and select "OK".

#### ■ To delete group

- 1 Press the  button on the Remote Touch.
- 2 Select "Delete".
- 3 Select the group to be deleted.
- Press the  button on the Remote Touch, and all the group on the list can be deleted. Select "Yes" when the confirmation screen appears.
- 4 Select "Yes" when the confirmation screen appears.

### Deleting favourites list entries

- 1 Select "Delete".
- 2 Select the desired item to be deleted.
- Press the  button on the Remote Touch. The following button can be displayed.

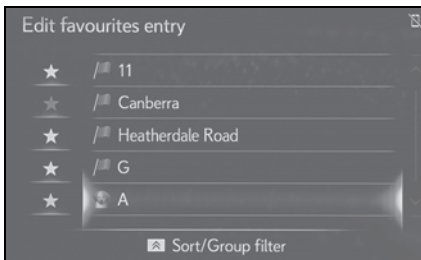
"Delete all": Select to delete all favourites on the list.

- 3 Select "Yes" when the confirmation screen appears.

### Refine by group

It is possible to display the desired group items in the favourites list.

- 1 Press the  button on the Remote Touch.




- 2 Select "Group filter".
- The list of memory points that are registered in the selected group will be displayed.

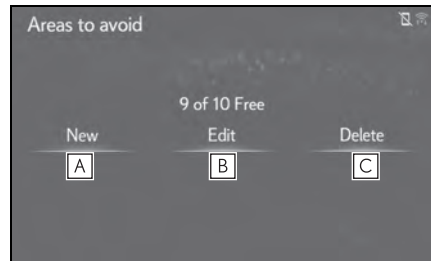
"Cancel group filter": Select to close the displayed items, and display all groups.

- 3 Select the desired group.

### Setting up areas to avoid

Areas to be avoided because of traffic jams, construction work or other reasons can be registered as "Areas to avoid".



- 1 Display the navigation settings screen:
  - "MENU" button → "Setup" →  "Navigation" on the sub menu
- 2 Select "Areas to avoid".
- 3 Select the desired item.

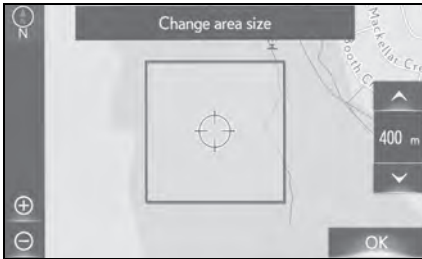


- A Select to register areas to avoid. (→P.101)
- B Select to edit areas to avoid. (→P.102)
- C Select to delete areas to avoid. (→P.102)

### Registering areas to avoid

- 1 Select "New".
- 2 Select the desired item to search for the location. (→P.79)

- 3 Select either  or  to change the size of the area to be avoided and select "OK".



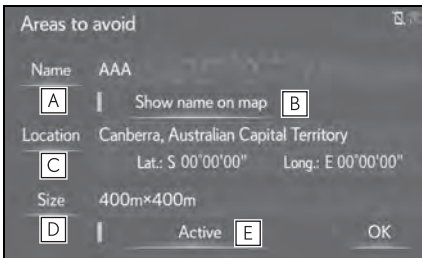
- 4 Select "OK" when the area to avoid screen appears.

- If a destination is entered in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to avoid may be shown.
- Up to 10 locations can be registered as points/areas to avoid.

### Editing areas to avoid

The name, location and/or area size of a registered area can be edited.

- 1 Select "Edit".
- 2 Select the desired area.
- 3 Select the desired item to be edited.



- A** Select to edit the name of the area to avoid. (→P.102)

- B** Select to set display of the area to avoid name on/off.

- C** Select to edit area location. (→P.102)

- D** Select to edit area size. (→P.102)

- E** Select to set the area to avoid function on/off.

- 4 Select "OK".



### Changing the name

- 1 Select "Name".
- 2 Enter a name and select "OK".


### Changing the location

- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.72) and select "OK".

### Changing the area size

- 1 Select "Size".
- 2 Select either  or  to change the size of the area to be avoided and select "OK".

### Deleting areas to avoid

- 1 Select "Delete".
  - 2 Select the desired area to be deleted.
- Press the  button on the Remote Touch, and all the areas to avoid on the list can be deleted. Select "Yes" when the confirmation screen

appears.

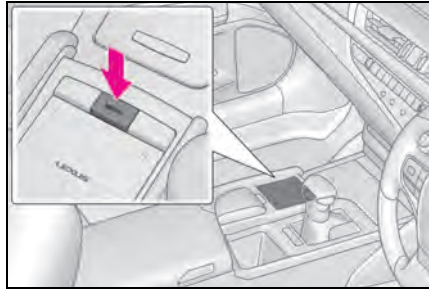
- 3 Select "Yes" when the confirmation screen appears.


## Detailed navigation settings

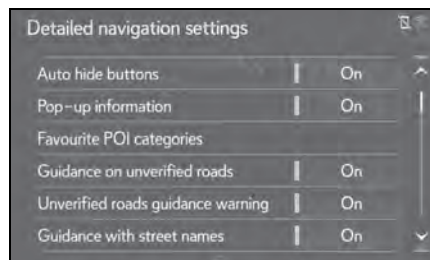
Settings are available for auto hide buttons, pop-up information, favourite POI categories, etc.

### Displaying the detailed navigation settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Navigation" on the sub menu.
- 4 Select "Detailed navigation settings".
- 5 Select the desired items to be set.



## Detailed navigation settings screen

- “Auto hide buttons”

Select to set the automatic screen button hiding function on/off. When set to on, certain screen buttons on the map screen will disappear several seconds after the Remote Touch has been operated. When set to off, all the screen buttons will always be displayed.

- “Pop-up information”

Select to set display of pop-up information on/off.

- “Favourite POI categories”

Select to set favourite POI categories that are used for POI selection to display on the map screen. (→P.105)

- “Guidance on unverified roads”

Select to set IPD road (roads that are not completely digitized in our database) guidance on/off.

- “Unverified roads guidance warning”

Select to set unverified roads guidance warning on/off.

- “Guidance with street names”

Select to set the voice guidance for the next street name on/off.

- “Intersection zoom map”

Select to set display of the intersection guidance screen and lane list on/off. (When the vehicle approaches a guidance point)

- “Automatic zoom”

Select to set automatic zoom function on/off. When it is enabled, as the vehicle

approaches a guidance point, the map will change to a detailed map automatically.

- “Map colour customisation”

Select to set the map display colour.

- “Map animation”

Select to set the map animations on/off.

- “Map flick”

Select to set drag/flick operation on the map screen on/off.

- “Reset adaptive route”

Select to delete adaptive route.

- “Calibration”

Select to adjust the current position mark manually or to adjust miscalculation of the distance caused by tyre replacement. (→P.106)

- “3D suburb model map”

Select to set display of the 3D suburb model map on/off.

- “Guidance level for petrol stations”

Select to set display of low fuel warning. (→P.105)

- “My memory”

Select to set my memory settings. (→P.107)

- “Speed limit display”

Select to set speed limit information on/off.

- “Speed limit settings”

Select to set the speed limit warning message on/off and to set the speed threshold over which the speed limit warning message will be displayed. (→P.106)

- “Time restriction notification”

Select to set time restriction notification on/off.

- “Private road notification”

Select to set private road notification on/off.

- “Automatic destination list info”

Select to set automatic destination list information on/off. When set to on, the distance with estimated time of arrival to the registered home and preset destinations from the current position will be displayed.

- “Adaptive route”

Select to set adaptive route function on/off. When set to on, the routes which are often passed through are taken into account in case of searching the route.

- “Driver support information”

Select to set driver support information on/off. (→P.107)

- “Safety zone”

Select to set the safety zone display on the map screen on/off.


- “Restore default settings”

Select to reset all setup items.

### Favourite POI categories (Select POI icons)

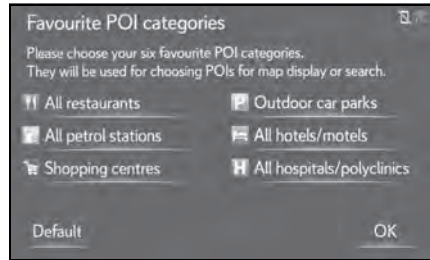
Up to 6 POI icons, which are used for selecting POIs on the map screen, can be selected as favourites.

- 1 Display the detailed navigation settings screen:

- “MENU” button → “Setup” →  “Navigation” on the sub menu → “Detailed navigation settings”

- 2 Select “Favourite POI categories”.

- 3 Select the desired category to be changed.



“Default”: Select to set the default categories.

- 4 Select the desired POI category.

“List all categories”: Select to display all POI categories.


- 5 Select the desired POI icon.

- 6 Select “OK”.

### Low fuel warning

When the fuel level is low, a warning message will pop up on the screen.

- 1 Display the detailed navigation settings screen:

- “MENU” button → “Setup” →  “Navigation” on the sub menu → “Detailed navigation settings”

- 2 Select “Guidance level for petrol stations”.

- 3 Select “150km”, “100km”, “50km” or “Off”.

### Searching gas station in low fuel warning


A nearby gas station can be selected as a destination when the fuel level is low.

- 1 Select "List" when the low fuel warning appears.
- 2 Select the desired nearby gas station.
- 3 Select "Enter" to set as a destination.

"Info": Select to display gas station information. (→P.76)

### Current position/Tyre change calibration

The current position mark can be adjusted manually. Miscalculation of the distance caused by tyre replacement can also be adjusted.

- 1 Display the detailed navigation settings screen:
  - "MENU" button → "Setup" →  "Navigation" on the sub menu → "Detailed navigation settings"
- 2 Select "Calibration".
- 3 Select the desired item.
  - For additional information on the accuracy of a current position: →P.115

### Position/Direction calibration

When driving, the current position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, the current position mark can be adjusted manually.

- 1 Select "Position / Direction".
- 2 Scroll the map to the desired point (→P.72) and select "OK".

- 3 Select an arrow to adjust the direction of the current position mark and select "OK".


### Tyre change calibration

The tyre change calibration function will be used when replacing the tyres. This function will adjust miscalculation caused by the circumference difference between the old and new tyres.

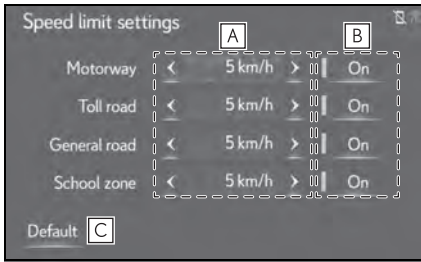
- 1 Select "Tyre change".
    - The quick distance calibration starts automatically.
- If this procedure is not performed when the tyres are replaced, the current position mark may be incorrectly displayed.

### Speed limit settings

The speed limit warning message can be set to be displayed depending on the road type. Additionally, the speed threshold over which the speed limit warning message will be displayed can be set to between -5 km/h and +20 km/h of the detected speed limit.

- 1 Display the detailed navigation settings screen:
  - "MENU" button → "Setup" →  "Navigation" on the sub menu → "Detailed navigation settings"
- 2 Select "Speed limit settings".

### 3 Select the desired item.



- A** Select “<” or “>” to set the speed threshold over which the speed limit warning message will be displayed.
- B** Select to set speed limit warning message on/off.
- C** Select to reset all setup items.

#### Driver support information

Driver support information can be set to alert when approaching areas such as “School zone”, “Railway crossing”, “High accident zone”, etc.

- 1 Display the detailed navigation settings screen:
  - “MENU” button → “Setup” → → “Navigation” on the sub menu → “Detailed navigation settings”
- 2 Select “Driver support information”.
- 3 Select the desired item to be set.
  - Press the button on the Remote Touch. The following buttons can be displayed.

“Default”: Select to reset all setup items.

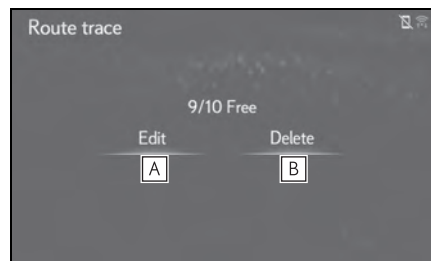
- When set to on, the following warnings will be made:  
First warning is made by a chime, followed by a voice warning when approaching within 300 meters of a point of the set item (400 meters on motorways) with the warning icon on the screen.  
Second warning is made by a chime only, when approaching within 50 meters of the point.

#### My memory settings

##### Editing or deleting route traces

Route traces (→P.75) can be edited or deleted.

- 1 Display the detailed navigation settings screen:
  - “MENU” button → “Setup” → → “Navigation” on the sub menu → “Detailed navigation settings”
- 2 Select “My memory”.
- 3 Select “Route trace”.
- 4 Select the desired item.

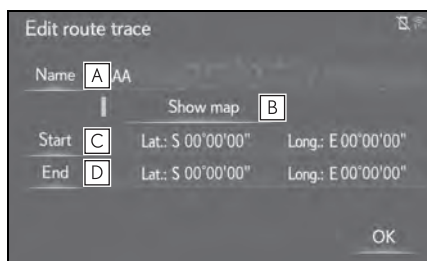


- A** Select to edit route traces. (→P.108)
- B** Select to delete route traces. (→P.108)

### Editing route traces

The route trace name can be edited and start and end points can be confirmed.

- 1 Select "Edit".
- 2 Select the desired route trace.
- 3 Select the desired item.



- A** Select to edit route trace names. (→P.108)
  - B** Select to display registered route traces on the map screen.
    - When set to on, the indicator will illuminate.
  - C** Select to confirm the start point on the map screen.
  - D** Select to confirm the end point on the map screen.
- 4 Select "OK".

### Changing the name

- 1 Select "Name".
- 2 Enter the desired name and select "OK".

### Deleting route traces

- 1 Select "Delete".

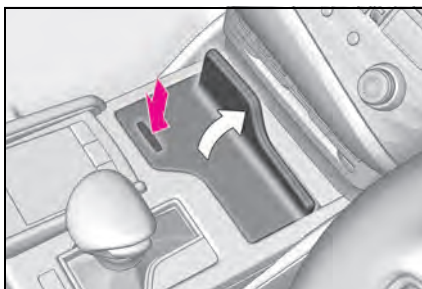
- 2 Select the route trace to be deleted and select "Delete".
- 3 Select "Yes" when the confirmation screen appears.

### Backup to a USB memory

Memory points registered in the navigation system can be copied to a USB memory.

A password must first be set in order to back up data. (→P.109)


- Exporting memory point data is for your back-up use only and distribution or usage in other system is strictly prohibited.
- 1 Press the lid.



- 2 Open the cover and connect a device.



- Turn on the power of the USB memory if it is not turned on.

- 3 Display the detailed navigation settings screen:
    - “MENU” button → “Setup” →  “Navigation” on the sub menu → “Detailed navigation settings”
  - 4 Select “My memory”.
  - 5 Select “Backup to USB”.
  - 6 Select “Start backup”.
- “Set password”: Select to set a password. (→P.108)
- 7 Enter the password and select “OK”.
  - 8 Check that a progress bar is being displayed while the data backup is in progress.
    - To cancel this function, select “Cancel”.
  - 9 Check that a confirmation screen is displayed when the operation is complete.

**NOTICE**

- Depending on the size and shape of the device that is connected to the system, the lid may not close fully. In this case, do not forcibly close the lid as this may damage the device or the terminal, etc.
- Do not connect or disconnect the USB memory during the backup to the USB memory. If you do not abide by this, the USB memory may result in a malfunction.

**Setting password**

Once a password has been set, it will be requested not only to back up data, but also when copying memory points

from a USB memory to the navigation system.


- 1 Select “Set password”.
- 2 Enter a password and select “OK”.
- 3 For confirmation, re-enter the password.

- If you have forgotten the password:
  - It is necessary to initialize personal data using “Delete personal data”. (→P.61)
  - Contact your Lexus dealer.

**Copying from a USB memory**

Memory points that have been backed up can be downloaded to the navigation system using a USB memory.

To use this function, it is necessary to connect a USB memory to the system. (→P.108)

- 1 Display the detailed navigation settings screen:
  - “MENU” button → “Setup” →  “Navigation” on the sub menu → “Detailed navigation settings”
- 2 Select “My memory”.
- 3 Select “Copy from USB”.
  - If a password has already been set, enter the password. For instructions on setting a password: →P.109
  - If there are multiple memory points stored on the USB memory, select the memory points to be copied and select “Start”.

- 4 Check that a progress bar is being displayed while the data copy is in progress.

- To cancel this function, select “Cancel”.
- 5 Check that a confirmation screen is displayed when the operation is complete.
- 
- Memory points that are located outside of the map’s data range cannot be registered.
  - A maximum of 100 memory points can be registered.
  - When there are 26 or more memory points stored on a USB memory, only 25 memory points will be displayed at a time.
  - If memory points which have the same name are already stored in the navigation system, the system may not update those memory points.

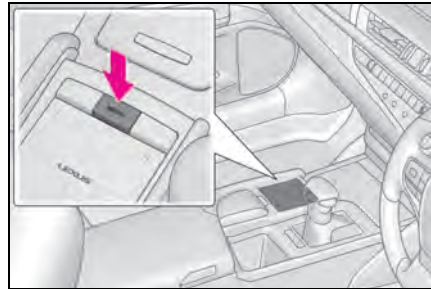
## Traffic settings\*


\*: This function is not made available in some countries or areas.

Traffic information such as traffic congestion or traffic incident warnings can be made available.

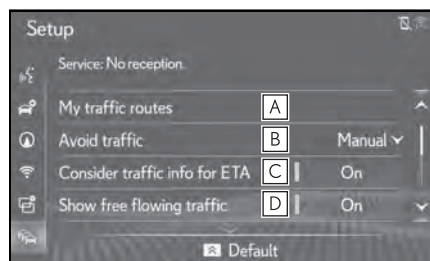
## Displaying the traffic settings screen

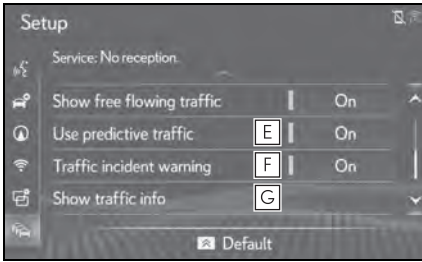
- 1 Press the “MENU” button on the Remote Touch.




- 2 Select “Setup”.
- 3 Select  “Traffic” on the sub menu.
- 4 Select the desired items to be set.

## Screen for traffic settings






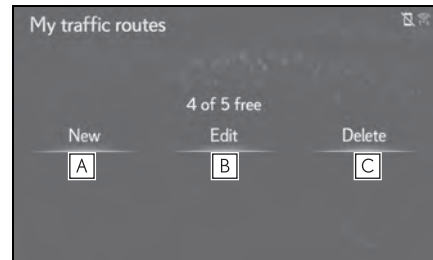
- A** Select to set specific routes (such as frequently used routes) on which you wish to receive traffic information. (→P.111)
  - B** Select to set the avoid traffic function auto/manual. (→P.113)
  - C** Select to set the usage of traffic information for the estimated arrival time on/off.
  - D** Select to set the display of an arrow of free flowing traffic on/off.
  - E** Select to set to on/off whether to consider the predictive traffic information with estimated arrival time and route search.
  - F** Select to set traffic incident voice warning on/off.
  - G** Select to display the traffic information icon. (→P.114)
- Press the  button on the Remote Touch, and all setup items can be initialized. Select "Yes" when the confirmation screen appears.

### My traffic routes

Specific routes (such as frequently used routes) on which you wish to

receive traffic information can be registered as "My traffic routes". A route is set by defining a start point and end point, and can be adjusted by setting up to 2 preferred roads.

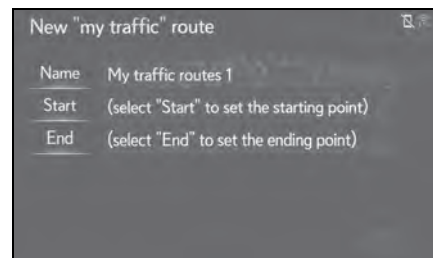
- 1 Display the traffic settings screen:
  - "MENU" button → "Setup" → 
  - "Traffic" on the sub menu
- 2 Select "My traffic routes".
- 3 Select the desired item.



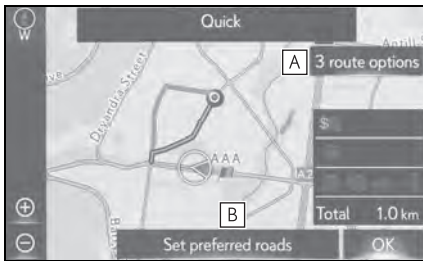
- A** Select to register personal routes. (→P.111)
- B** Select to edit personal routes. (→P.112)
- C** Select to delete personal routes. (→P.112)

### Registering personal routes

- 1 Select "New".
- 2 Select "Name".



- 3 Enter the name and select "OK".
- 4 Select "Start".
- 5 Select the desired item to search for the location. (→P.79)
- 6 Select "End".
- 7 Select the desired item to search for the location. (→P.79)
- 8 Select "OK".
- 9 Confirm the route overview displayed.



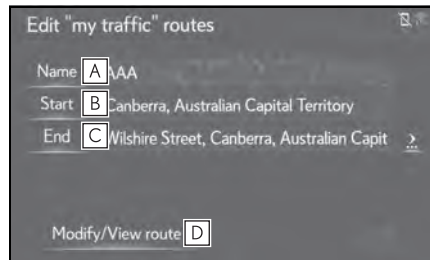
- A Select the desired route from 3 possible routes. (→P.88)
  - B Select to modify the route. The routes can be adjusted by setting preferred roads. (→P.112)
- 10 Select "OK".

● Up to 5 routes can be registered.

### Editing personal routes

- 1 Select "Edit".
- 2 Select the desired traffic route and select "OK".

- 3 Select the desired item to be edited.



- A Select to edit the name of the personal route. (→P.111)
  - B Select to edit start location. (→P.111)
  - C Select to edit end location. (→P.111)
  - D Select to see and modify the entire route. (→P.112)
- 4 Select "OK".
  - 5 Follow the steps in "Registering personal routes" from step 9. (→P.111)

### Deleting personal routes

- 1 Select "Delete".
- 2 Select the desired traffic route to be deleted and select "Delete".
- 3 Select "Yes" when the confirmation screen appears.

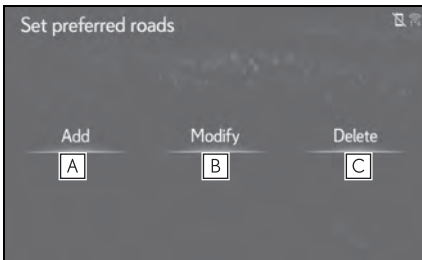
### Setting preferred roads

"My traffic routes" can be adjusted by setting up to 2 preferred roads.

- 1 Select "Set preferred roads".



- 2 Select the desired item.



- A Select to add preferred roads. (→P.113)
- B Select to modify preferred roads. (→P.113)
- C Select to delete preferred roads. (→P.113)

### ■ Adding preferred roads

- 1 Select "Add".
- 2 Scroll the map to the desired point (→P.71) and select "OK".
- 3 Select "OK" to use this road.

"Next": Select to change road.

- ▶ Available only when 1 preferred road is set
- 4 Select "Add here" for the desired location.
- If a preferred road is already set, a second preferred road can be

added anywhere between the start point, the end point and the existing preferred road.

### ■ Modifying preferred roads

- 1 Select "Modify".
- 2 Select the desired preferred road to be modified if 2 preferred roads have been set.
- 3 Scroll the map to the desired point (→P.71) and select "OK".
- 4 Select "OK" to use this road.

"Next": Select to change road.


### ■ Deleting preferred roads

- 1 Select "Delete".
- 2 Select the desired preferred road to be deleted if 2 preferred roads have been set.

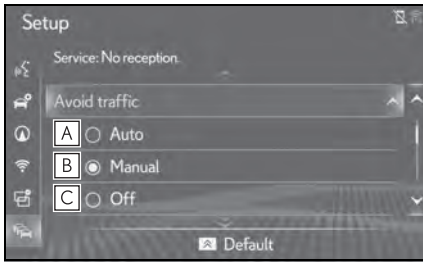
"Delete all": Select to delete all preferred roads on the list.

- 3 Select "Yes" when the confirmation screen appears.

### Avoid traffic

- 1 Display the traffic settings screen:
  - "MENU" button → "Setup" →  "Traffic" on the sub menu
- 2 Select "Avoid traffic".

- 3 Select the desired item.



- A** Select to automatically change routes when congestion information of the guidance route has been received.
- B** Select to select manually whether or not to change routes when congestion information of the guidance route has been received. In this mode, a screen will appear to ask if you wish to reroute.
- C** Select to not reroute when congestion information for the guidance route has been received.

### Changing the route manually

When the navigation system calculates a new route, a confirmation screen will be displayed.

- 1 Select the desired item.


“Yes”: Select to start route guidance using the new route.

“See Map”: Select to confirm the new route and current route on the map.

“No”: Select to continue the current route guidance.


### Show traffic info

- 1 Display the traffic settings screen:

- “MENU” button → “Setup” →  “Traffic” on the sub menu

- 2 Select “Show traffic info”.

- 3 Select the desired icons to be displayed on the map screen.

- Press the  button on the Remote Touch. The following buttons can be displayed.

“All on”: Select to select all icons in the traffic information.

“All off”: Select to cancel all the selections.

- For more details on traffic information icons: →P.77

## GPS (Global Positioning System)

This navigation system calculates the current position using satellite signals, various vehicle signals, map data, etc. However, an accurate position may not be shown depending on satellite conditions, road configuration, vehicle condition or other circumstances.

### Limitations of the navigation system

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current position, normally using 4 or more satellites, and in some case 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system compensates for this most of the time, occasional positioning errors of up to 100m can and should be expected. Generally, position errors will be corrected within a few seconds.

When the vehicle is not receiving signals from satellites, the unreceived GPS mark appears on the map screen. When the vehicle is receiving the signals, the unreceived GPS mark does not appear on the map screen.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map screen. Tunnels, tall buildings, trucks, or even the

placement of objects on the instrument panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.



#### NOTICE

- The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception of the antenna in the instrument panel. We advise against the use of window tinting on vehicles equipped with navigation systems.


- Accurate current position may not be shown in the following cases:
  - When driving on a small angled Y-shaped road.
  - When driving on a winding road.
  - When driving on a slippery road such as in sand, gravel, snow, etc.
  - When driving on a long straight road.
  - When motorway and surface streets run in parallel.
  - After moving by ferry or vehicle carrier.
  - When a long route is searched during high speed driving.
  - When driving without setting the current position calibration correctly.
  - After repeating a change of direction by going forward and backward, or turning on a turntable in a parking lot.

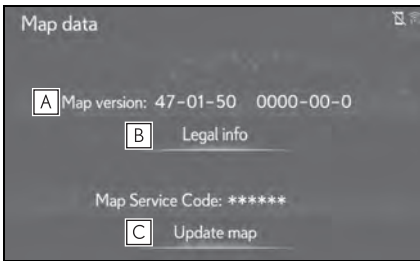
- When leaving a covered parking lot or parking garage.
  - When a roof carrier is installed.
  - When driving with tyre chains installed.
  - When the tyres are worn.
  - After replacing a tyre or tyres.
  - When using tyres that are smaller or larger than the factory specifications.
  - When the tyre pressure in any of the 4 tyres is not correct.
  - If the vehicle cannot receive GPS signals, the current position can be adjusted manually. For information on setting the current position calibration: →P.106
  - Inappropriate route guidance may occur in the following cases:
    - When turning at an intersection off the designated route guidance.
    - If you set more than 1 destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
    - When turning at an intersection for which there is no route guidance.
    - When passing through an intersection for which there is no route guidance.
    - During auto reroute, the route guidance may not be available for the next turn to the right or left.
    - During high speed driving, it may take a long time for auto reroute to operate. In auto reroute, a detour route may be shown.
    - After auto reroute, the route may not be changed.
    - If an unnecessary U-turn is shown or announced.
  - If a location has multiple names and the system announces 1 or more of them.
  - When a route cannot be searched.
  - If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
  - Your destination point might be shown on the opposite side of the street.
  - When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time, season or other reasons.
  - The road and map data stored in the navigation system may not be complete or may not be the latest version.
  - After replacing a tyre: →P.106
- 
- This navigation system uses tyre turning data and is designed to work with factory-specified tyres for the vehicle. Installing tyres that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current position. The tyre pressure also affects the diameter of the tyres, so make sure that the tyre pressure of all 4 tyres is correct.

## Map database version and covered area

Legal information can be displayed and map data can be updated.

### Map information

- 1 Select  on the map screen.
- 2 Select "Map data".
- 3 Check that the map data screen is displayed.



- A** Map version
  - B** Select to display legal information.
  - C** Select to update map.
- 
- Map data updates are available for a fee. Contact your Lexus dealer for further information.



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## Quick reference

The audio control screen can be reached by the following methods:

▶ Using the audio control switch

Press the “RADIO” or “MEDIA” button.

▶ Using the Remote Touch

Press the “MENU” button on the Remote Touch, then select “Audio”.

The following functions are available on the system:

- Using the radio (→P.127)
- Playing an audio CD or MP3/WMA/AAC disc (→P.132)
- Playing a DVD (→P.134)
- Playing a USB memory (→P.137)
- Playing an iPod/iPhone (Apple CarPlay<sup>\*</sup>) (→P.139)
- Using the Android Auto<sup>\*</sup> (→P.141)
- Playing a Bluetooth<sup>®</sup> device (→P.143)
- Using the Miracast<sup>®</sup> (→P.146)
- Using the AUX port (→P.148)
- Using the steering wheel audio switches (→P.149)
- Using the rear seat audio control switches<sup>\*</sup> (→P.150)

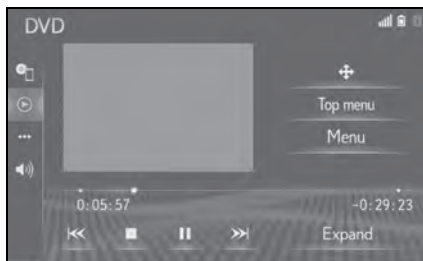
- Audio system settings (→P.152)

\*1: This function is not made available in some countries or areas.

\*2: If equipped

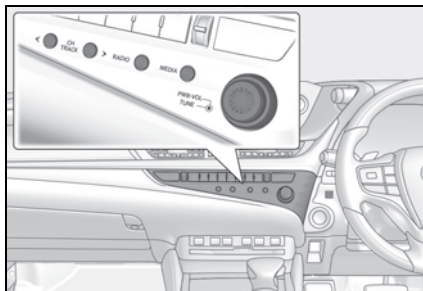
## Controls

### ■ Control screen



- The audio functions can also be displayed and operated on the side display. (→P.19)

### ■ Audio control switch



## Some basics

This section describes some of the basic features of the audio/visual system. Some information may not pertain to your system.

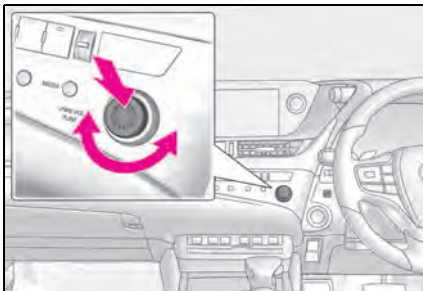
Your audio/visual system works when the power switch is in **ACCESSORY** or **ON** mode.



### NOTICE

- To prevent the 12-volt battery from being discharged, do not leave the audio/visual system on longer than necessary when the hybrid system is not operating.

## Turning the system on and off

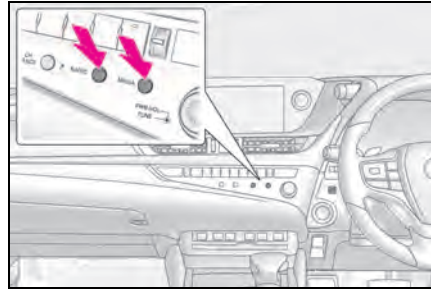


“PWR•VOL” knob: Press to turn the audio/visual system on and off. The system turns on in the last mode used. Turn this knob to adjust the volume.

- A function that enables automatic return to the map screen from the audio/visual screen can be selected. (→P.58)

## Selecting an audio source

- ▶ Using the audio control switch
- 1 Press the “RADIO” or “MEDIA” button.



“RADIO” button: Press to change radio modes.

“MEDIA” button: Press to change media modes.

- Each time the “RADIO” or “MEDIA” button is pressed, the audio source changes.
- ▶ From the audio source selection screen
- 1 Display the audio control screen.
  - 2 Select “Source” on the sub menu.
  - 3 Select the desired source.

- Dimmed screen buttons cannot be operated.




- When there are two pages, select or to change the page.

- When an Apple CarPlay/Android Auto connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay/Android Auto function or will become unavailable.\*

- iPod (Audio Playback)
- USB audio/USB video

- Bluetooth® audio
  - Lexus App Suite
- \*: This function is not made available in some countries or areas.

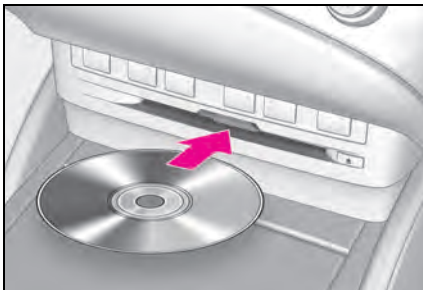
### Reordering the audio source

- 1 Display the audio control screen.
- 2 Select  "Source" on the sub menu.
- 3 Select "Reorder".
- 4 Select the desired audio source then  or  to reorder.

### Disc slot

#### ■ Inserting a disc

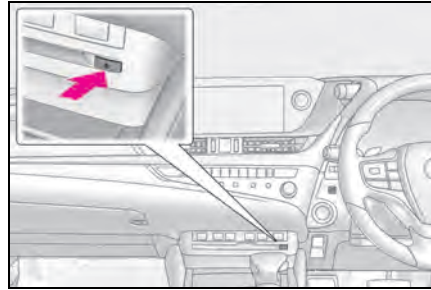
- 1 Insert a disc into the disc slot.



- After insertion, the disc is automatically loaded.

#### ■ Ejecting the disc

- 1 Press the  button and remove the disc.



- The player is intended for use with 12 cm discs only.
- When inserting a disc, gently insert the disc with the label facing up.

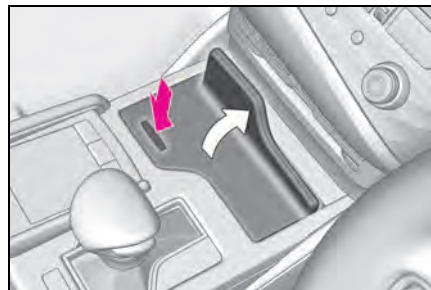
#### NOTICE

- Never try to disassemble or oil any part of the DVD player. Do not insert anything other than a disc into the slot.

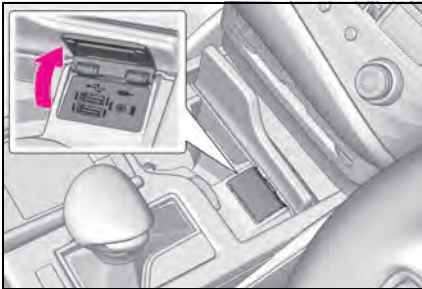
### USB/AUX port

There are 2 USB ports and an AUX port in the center console.

- 1 Press the lid.



- 2 Open the cover and connect a device.



- Turn on the power of the device if it is not turned on.
- 
- The AUX port only supports audio input.
  - Up to two portable players can be connected to the USB port at the same time.
  - Even if a USB hub is used to connect more than two USB devices, only the first two connected devices will be recognized.
  - If a USB hub that has more than two ports is connected to the USB port, devices connected to the USB hub may not charge or be operable, as the supply of current may be insufficient.
  - When an Apple CarPlay/Android Auto connection is established, the other USB port can be used only for device battery charger.\*


\*: This function is not made available in some countries or areas.

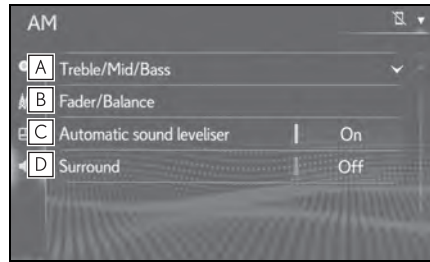


#### NOTICE

- Depending on the size and shape of the device that is connected to the system, the lid may not close fully. In this case, do not forcibly close the lid as this may damage the device or the terminal, etc.

## Sound settings

- 1 Display the audio control screen.
- 2 Select  "Sound" on the sub menu.
- 3 Select the desired item to be set.

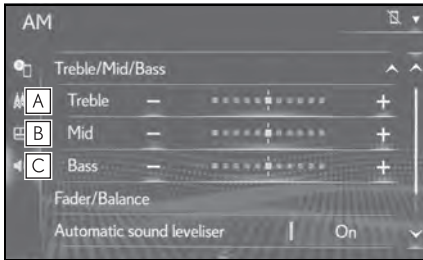


- A** Select to set the treble/mid/bass. (→P.123)
- B** Select to set the fader/balance. (→P.124)
- C** The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise. (→P.124)
- D** This function can create a feeling of presence. (→P.124)

### ■ Treble/Mid/Bass

How good an audio program sounds is largely determined by the mix of the treble, mid and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid and bass.

- 1 Select “Treble/Mid/Bass” and select the desired item to be set.



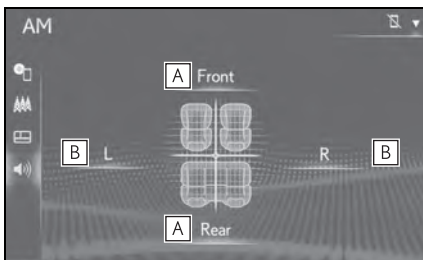
- A Select “+” or “-” to adjust high-pitched tones.
- B Select “+” or “-” to adjust mid-pitched tones.
- C Select “+” or “-” to adjust low-pitched tones.

#### ■ Fader/Balance

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that when listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of 1 group of sounds while decreasing the volume of another.

- 1 Select “Fader/Balance” and select the desired item to be set.



- A Select to adjust the sound balance between the front and rear speak-

ers.

- B Select to adjust the sound balance between the left and right speakers.

#### ■ Automatic sound levelizer

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise.

- 1 Select to set the Automatic Sound Levelizer on/off.

#### ■ Surround


This function can create a feeling of presence.

- 1 Select to set the surround on/off.

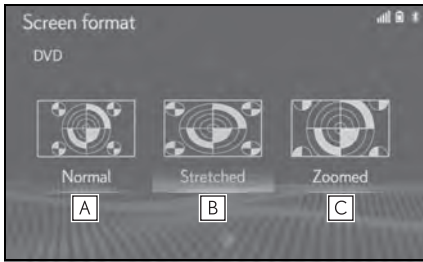
### Audio screen adjustment

#### ■ Screen size settings

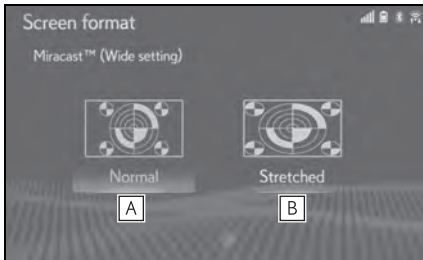
The screen size can be selected for each type of media.

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Setup”.
- 3 Select  “Audio” on the sub menu.
- 4 Select “Common”.
- 5 Select “Screen format”.
- 6 Select the desired item to be set.

## ▶ DVD video/USB video



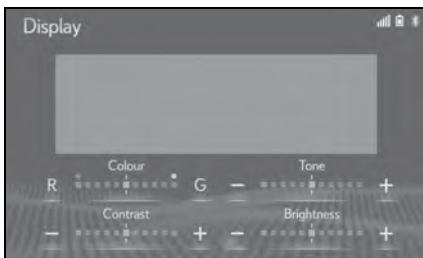
## ▶ Miracast®




- A** Select to display a 4 : 3 screen, with either side in black.
- B** Select to enlarge the image horizontally and vertically to full screen.
- C** Select to enlarge the image by the same ratio horizontally and vertically.

■ **Colour, tone, contrast and brightness adjustment**

The colour, tone, contrast and brightness of the screen can be adjusted.



## ▶ DVD video/USB video/Miracast®

- 1** Press the “MENU” button on the Remote Touch.
  - 2** Select “Setup”.
  - 3** Select  “Audio” on the sub menu.
  - 4** Select “Common”.
  - 5** Select “Display”.
- “Colour”

“R”: Select to strengthen the red colour of the screen.

“G”: Select to strengthen the green colour of the screen.

## ● “Tone”

“+”: Select to strengthen the tone of the screen.

“-”: Select to weaken the tone of the screen.

## ● “Contrast”

“+”: Select to strengthen the contrast of the screen.

“-”: Select to weaken the contrast of the screen.

## ● “Brightness”

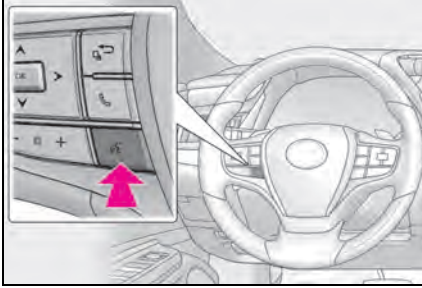
“+”: Select to brighten the screen.

“-”: Select to darken the screen.

- 
- Depending on the audio source, some functions may not be available.

## Speech command system

- 1 Press this switch to operate the speech command system.



- The speech command system and its list of commands can be operated. (→P.172)

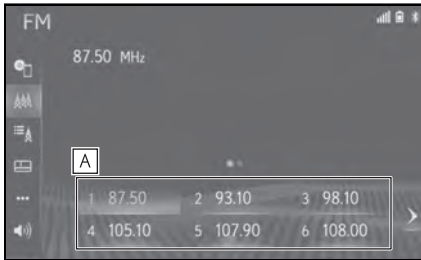
## AM/FM/DAB radio

### Overview

The radio control screen can be reached by the following methods:

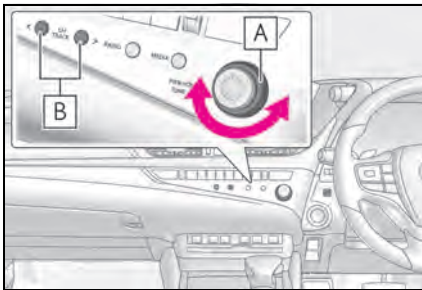
- ▶ Using the audio control switch
  - 1 Press the "RADIO" button.
- ▶ Using the Remote Touch
  - 1 Press the "MENU" button on the Remote Touch, then select "Audio".

### Control screen



- ▶ **A** Select to tune to preset stations/DAB channels.

### Audio control switch



### ▶ AM/FM

- ▶ **A** Presets screen: Turn to select preset stations.  
Station list screen: Turn to move up/down the station.  
Manual tuning screen: Turn to seek for frequencies.

- ▶ **B** Presets screen: Press to select preset stations.  
Station list screen: Press to move up/down the station.  
Manual tuning screen: Press to seek for stations. Press and hold for continuous seek.

### ▶ DAB

- ▶ **A** Presets screen: Turn to select preset services/stations.  
Service/station list screen: Turn to move up/down the service/station.  
Manual tuning screen: Turn to seek for service.  
DAB time shift screen: Turn to jump forward/backwards.

- ▶ **B** Presets screen: Press to select preset services/stations.  
Service/station list screen: Press to move up/down the service/station.  
Manual tuning screen: Press to seek for service/station. Press and hold for continuous seek.

- The radio automatically changes to stereo reception when a stereo broadcast is received.
- If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from

stereo to mono reception.

### Presetting a station

Up to 12 preset stations can be registered in AM mode, FM mode and DAB mode.

- 1 Tune in the desired station.
- 2 Select one of the screen buttons and hold it until a beep is heard.



- The station's frequency will be displayed in the screen button.
- To change the preset station to a different one, follow the same procedure.

### RDS (Radio data system)

This feature allows your radio to receive station and program information from radio stations which broadcast this information. Depending on the availability of RDS infrastructure, the service may not function properly.

#### ■ DAB AF (Alternative frequency) function

A station providing good reception is automatically selected if current reception worsens.

#### ■ DAB TA (Traffic announcement) function

The tuner will automatically seek a station that regularly broadcasts traffic information and the station broadcasts when the traffic information program starts.

- 1 A pop-up message is displayed on the screen when the radio seeks out a TP station.
- 2 Select "Continue".

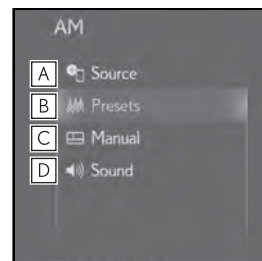
- When "DAB Traffic announcement" is set to "On" (→P.152), the radio will begin seeking a TP station.
- When the program ends, the initial operation resumes.

#### ■ Traffic announcement volume function

The volume level when receiving the traffic announcement is memorized.

### Sub menu

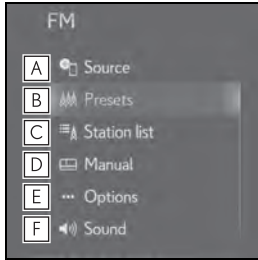
- ▶ AM



- A Select to display the audio source selection screen. (→P.121)
- B Select to display the preset station screen.

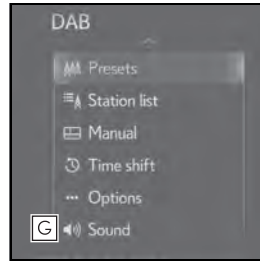
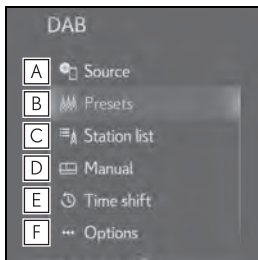
- C** Select to display the manual tuning screen. (→P.129)
- D** Select to display the sound setting screen. (→P.123)

## ▶ FM



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to display the preset station screen. (→P.128)
- C** Select to display the station list.
- D** Select to display the manual tuning screen. (→P.123)
- E** Select to display the radio options screen. (→P.130)
- F** Select to display the sound setting screen. (→P.123)


## ▶ DAB

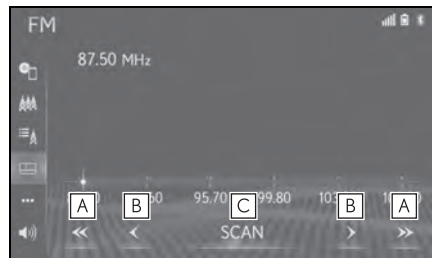



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to display the preset station screen. (→P.128)
- C** Select to display the station list.
- D** Select to display the manual tuning screen. (→P.129)
- E** Select to display the time shift control screen. (→P.131)
- F** Select to display the radio options screen. (→P.130)
- G** Select to display the sound setting screen. (→P.123)

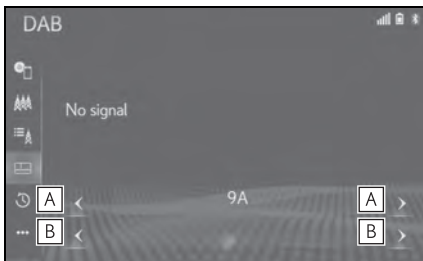
### Manual tuning

## ▶ AM/FM

- 1 Select  "Manual" on the sub menu.
- 2 Tune the desired station.




- A** Select to seek up/down for a station.
  - B** Select to step up/down frequencies.
  - C** Select to scan for receivable stations.
- ▶ DAB
- 1 Select  "Manual" on the sub menu.
  - 2 Tune the desired DAB channel or service.

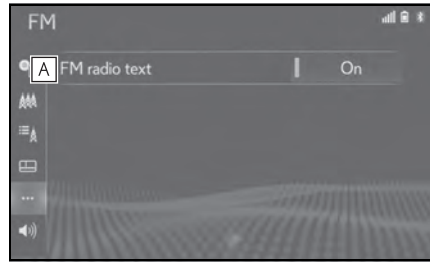


- A** Select to set the desired DAB channel.
- B** Select to set the desired service.

### Radio options

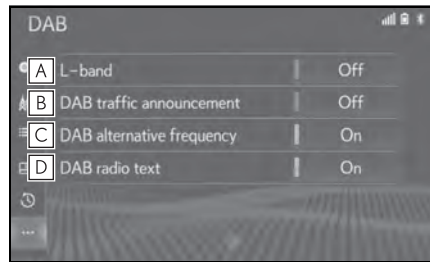
- 1 Select  "Options" on the sub menu.
- 2 Select the desired item to be set.

### ▶ FM



- A** Select on/off to set the FM radio text feature.






### ▶ DAB



- A** Select on/off to set L-band in the tune range. When "Off" is selected, the physical channel range for tuning operations is limited to Band III, excluding for preset operations. When "On" is selected, the physical channel range for tuning operations includes Band III and L-band.
- B** Select to set the DAB traffic announcement on/off. (→P.128)
- C** Select to set the DAB alternative frequency function on/off. (→P.128)
- D** Select on/off to set the DAB text feature.

### Time shift operation (DAB)

The service you are currently listening to can be re-listened to at any time.

- 1 Select  "Time shift" on the sub menu.
- 2 Select  or  to jump forward/backward by 10 seconds.  
Select and hold  or  to fast forward/rewind.

- The times at which playback is possible depend on the bit rate of the DAB station to be recorded, the amount of DAB unit memory, and the time at which reception of the broadcast began.

### Internet radio

One of Lexus App Suite features is the ability to listen to internet radio. In order to use this service, a compatible phone and the navigation system needs to be set up. For details: →P.262

### Listening to internet radio

- 1 Display the audio source selection screen.
  - 2 Select the desired application screen button.
    - The internet radio application screen is displayed.
    - Perform operations according to the displayed application screen.
    - For the instrument panel operation method and the Remote Touch operation method: →P.121
- 
- If a compatible phone is already registered, it will be connected automatically.
  - Other applications can be activated while listening to internet radio.
  - Services requiring a separate contract can also be used.\*
  - Some parts of applications can be adjusted using the switches on the steering wheel.
- \*: For details, refer to <http://www.lexus.com.au/> (Australia) or <http://www.lexus.co.nz/> (New Zealand).

## CD

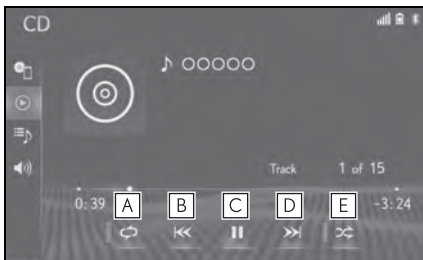
### Overview

The CD control screen can be reached by the following methods:

- ▶ Using the audio control switch
- 1 Press the “MEDIA” button.
- ▶ Using the Remote Touch
- 1 Press the “MENU” button on the Remote Touch, then select “Audio”.
- Inserting a disc (→P.122)

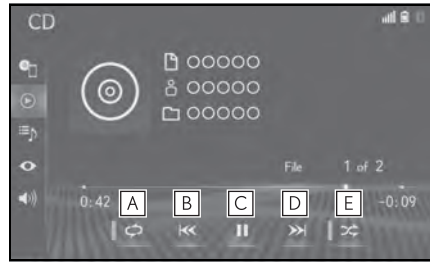
### Control screen

- ▶ Audio CD



- A** Select to set repeat playback. (→P.132)
- B** Select to change the track. Select and hold to fast rewind.
- C** Select to play/pause.
- D** Select to change the track. Select and hold to fast forward.
- E** Select to set random playback. (→P.132)

- ▶ MP3/WMA/AAC disc




- A** Select to set repeat playback. (→P.132)
- B** Select to change the file. Select and hold to fast rewind.
- C** Select to play/pause.
- D** Select to change the file. Select and hold to fast forward.
- E** Select to set random playback. (→P.132)

### Repeating

The track/file or folder currently being listened to can be repeated.

- 1 Select .

- Each time  is selected, the mode changes as follows:

- ▶ Audio CD
  - track repeat → off
- ▶ MP3/WMA/AAC disc
  - file repeat → folder repeat → off<sup>\*1</sup>
  - file repeat → off<sup>\*2</sup>

<sup>\*1</sup>: When random playback is off


<sup>\*2</sup>: When random playback is on

### Random order

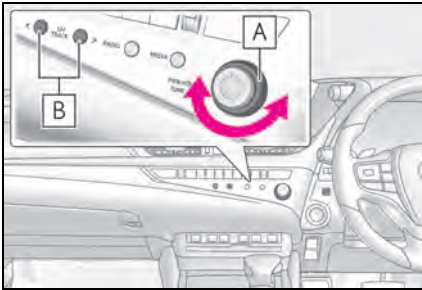
Tracks/files or folders can be automat-

ically and randomly selected.

## 1 Select .

- Each time  is selected, the mode changes as follows:
  - ▶ Audio CD
    - random (1 disc random) → off
  - ▶ MP3/WMA/AAC disc
    - random (1 folder random) → folder random (all folder random) → off

### Audio control switch

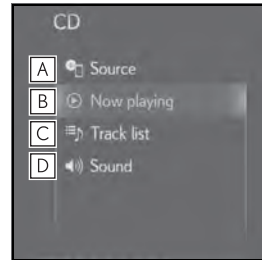


- A** Turn to select a track/file.
- B** Press to select a track/file.  
Press and hold to fast forward/rewind.

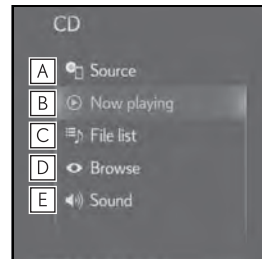
- If a disc contains CD-DA files and MP3/WMA/AAC files, only the CD-DA files can be played back.
- If a CD-TEXT disc is inserted, the title of the disc and track will be displayed.

### Sub menu

#### ▶ Audio CD



- A** Select to display the audio source selection screen. (→P.121)
  - B** Select to return to the control screen.
  - C** Select to display the track list screen.
  - D** Select to display the sound setting screen. (→P.123)
- ▶ MP3/WMA/AAC disc



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display a file list screen.
- D** Select to display a folder list.
- E** Select to display the sound setting

screen. (→P.123)

## DVD

For safety reasons, the DVD video discs can only be viewed when the following conditions are met:

- (a) The vehicle is completely stopped.
- (b) The power switch is in ACCESSORY or ON mode.
- (c) The parking brake is applied.

While driving in DVD video mode, only the DVD's audio can be heard.

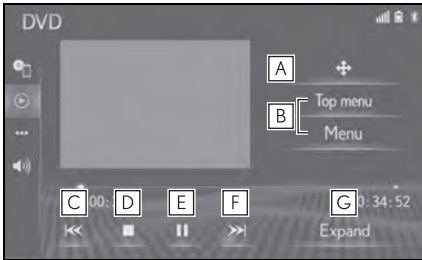
The playback condition of some DVD discs may be determined by the DVD software producer. This DVD player plays a disc as the software producer intended. As such, some functions may not work properly. Be sure to read the instruction manual that comes with the individual DVD disc. (→P.159)

## Overview

The DVD control screen can be reached by the following methods:

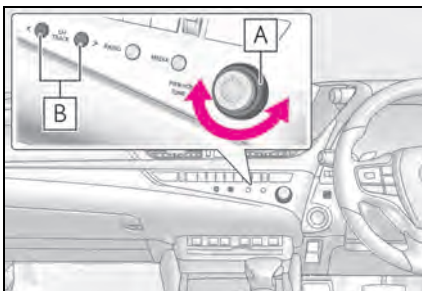
- ▶ Using the audio control switch
  - 1 Press the "MEDIA" button.
- ▶ Using the Remote Touch
  - 1 Press the "MENU" button on the Remote Touch, then select "Audio".
- Inserting a disc (→P.122)

### Control screen




- A** Select to display the menu control key.
- B** Select to display the menu screen.
- C** Select to change the chapter.  
Select and hold to fast rewind.
- D** Select to stop the video screen.
- E** Select to play/pause.
- F** Select to change the chapter.
  - During playback: Select and hold to fast forward.
  - During a pause: Select and hold to slow forward.
- G** Select to display expanded screen video.

### Audio control switch



- A** Turn to select a chapter.

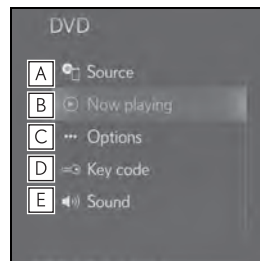
- B** Press to select a chapter.  
Press and hold to fast forward/rewind.

- According to the DVD disc, some menu items can be selected directly. (For details, see the manual that comes with the DVD disc provided separately.)
- If  appears on the screen when a control is selected, the operation relevant to the control is not permitted.

### ! WARNING

- Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source. The louder sounds may have a significant impact on the human body or pose a driving hazard. Keep this in mind when you adjust the volume.

### Sub menu



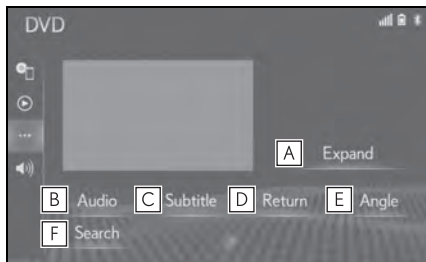
- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display the option screen.

(→P.136)

- D** Select to display the key code input screen.
- E** Select to display the sound setting screen. (→P.123)

### DVD options

- 1 Select **...** "Options" on the sub menu.
- 2 The following screen is displayed.



- A** Select to display expanded screen video.
- B** Select to change the audio language. (→P.136)
- C** Select to change the subtitle language. (→P.136)
- D** Select to display the predetermined scene on the screen and start playing.
- E** Select to change the angle. (→P.136)
- F** Select to display the title search screen. (→P.136)

### Changing the audio language

- 1 Select "Audio".

- 2 Each time "Audio" is selected, the audio language is changed.


- The languages available are restricted to those available on the DVD disc.

### Changing the subtitle language

- 1 Select "Subtitle".
- 2 Each time "Change" is selected, the language the subtitles are displayed in is changed.

- The languages available are restricted to those available on the DVD disc.
- When "Hide" is selected, the subtitles can be hidden.

### Changing the angle

The angle can be selected for discs that are multi-angle compatible when the angle mark (  ) appears on the screen.

- 1 Select "Angle".
- 2 Each time "Angle" is selected, the angle is changed.

- The angles available are restricted to those available on the DVD disc.

### Searching by title

- 1 Select "Search".
  - 2 Enter the title number and select "OK".
- The player starts playing video for that title number.

## USB memory

### Overview

The USB memory control screen can be reached by the following methods:

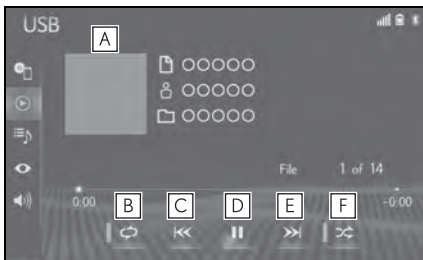
- ▶ Using the audio control switch
- 1** Press the “MEDIA” button.
- ▶ Using the Remote Touch
- 1** Press the “MENU” button on the Remote Touch, then select “Audio”.
- Connecting a USB memory (→P.122)

When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.\*


\*: This function is not made available in some countries or areas.

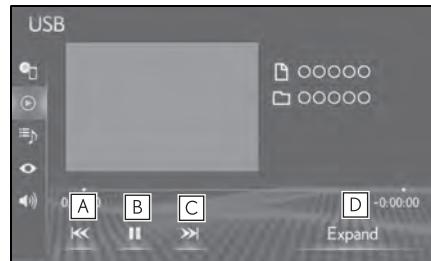
### Control screen

- ▶ USB audio



- A** Displays cover art
- B** Select to set repeat playback. (→P.137)
- C** Select to change the file/track. Select and hold to fast rewind.

- D** Select to play/pause.
- E** Select to change the file/track. Select and hold to fast forward.
- F** Select to set random playback. (→P.138)
- ▶ USB video
- 1** Select  “Browse” on the sub menu.
- 2** Select “Videos”.
- 3** Select the desired folder and file.




- A** Select to change the file. Select and hold to fast rewind.
- B** Select to play/pause.
- C** Select to change the file. Select and hold to fast forward.
- D** Select to display expanded screen video.

### Repeating

The file/track or folder/album currently being listened to can be repeated.

- 1** Select .


- Each time  is selected, the mode changes as follows:

- ▶ When random playback is off
  - file/track repeat → folder/album repeat → off
- ▶ When random playback is on
  - file/track repeat → off

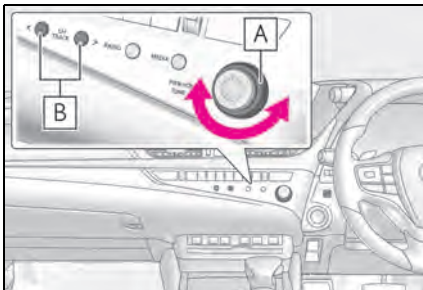
### Random order

Files/tracks or folders/albums can be automatically and randomly selected.

#### 1 Select .

- Each time  is selected, the mode changes as follows:
  - random (1 folder/album random) → folder/album random (all folder/album random) → off

### Audio control switch



**A** Turn to select a file/track.

**B** Press to select a file/track.  
Press and hold to fast forward/rewind.

- If tag information exists, the file/folder names will be changed to track/album names.

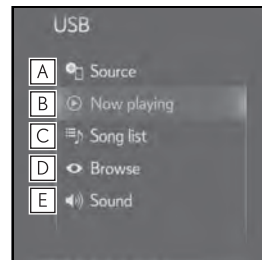
### WARNING

- Do not operate the player's controls or connect the USB memory while driving.

### NOTICE

- Depending on the size and shape of the USB memory that is connected to the system, the lid may not close fully. In this case, do not forcibly close the lid as this may damage the USB memory or the terminal, etc.
- Do not leave your portable player in the car. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

### Sub menu



**A** Select to display the audio source selection screen. (→P.121)

**B** Select to return to the control screen.

**C** Select to display a song list screen.

**D** Select to display the play mode selection screen.

**E** Select to display the sound setting screen. (→P.123)

## iPod/iPhone (Apple CarPlay\*)

\*: This function is not made available in some countries or areas.

### Overview

The iPod/iPhone control screen can be reached by the following methods:

▶ Using the audio control switch

1 Press the "MEDIA" button.

▶ Using the Remote Touch

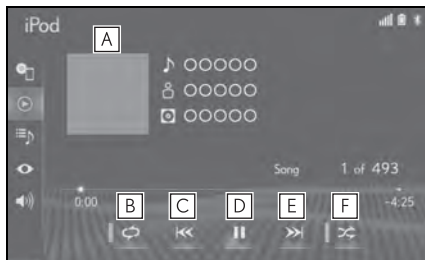
1 Press the "MENU" button on the Remote Touch, then select "Audio".

● Connecting an iPod/iPhone (→P.122)

When an Android Auto connection is established, this function will be unavailable.\*

\*: This function is not made available in some countries or areas.

### Control screen



**A** Displays cover art

**B** Select to set repeat playback. (→P.139)

**C** Select to change the track.  
Select and hold to fast rewind.

**D** Select to play/pause.

**E** Select to change the track.  
Select and hold to fast forward.


**F** Select to set random playback. (→P.139)

● Some functions may not be available depending on the type of model.

### Repeating

The track currently being listened to can be repeated.

1 Select .

● Each time  is selected, the mode changes as follows:

- ▶ When shuffle is off (iPhone 5 or later)
  - track repeat → album repeat → off
- ▶ When shuffle is off (iPhone 4s or earlier)
  - track repeat → off
- ▶ When shuffle is on
  - track repeat → off

### Random order

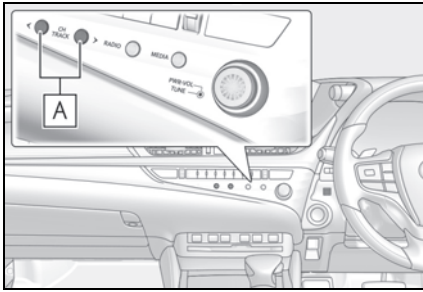
Tracks or albums can be automatically and randomly selected.

1 Select .

● Each time  is selected, the mode changes as follows:

- shuffle (1 album shuffle) → album shuffle (all album shuffle) → off

### Audio control switch



- A** Press to select a track.  
Press and hold to fast forward/rewind.

- When an iPod/iPhone is connected using a genuine iPod/iPhone cable, the iPod/iPhone starts charging its battery.
- Depending on the iPod/iPhone and the songs in the iPod/iPhone, a cover art may be displayed. This function can be changed to "On" or "Off". (→P.152) It may take time to display the cover art, and the iPod/iPhone may not be operated while the cover art display is in process.
- When an iPod/iPhone is connected and the audio source is changed to iPod/iPhone mode, the iPod/iPhone will resume playing from the same point it was last used.
- Depending on the iPod/iPhone that is connected to the system, certain functions may not be available.
- The system may not function properly if a conversion adapter is used to connect a device.



### WARNING

- Do not operate the player's controls or connect the iPod/iPhone while driving.

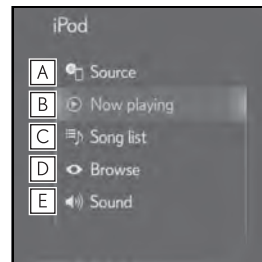


### NOTICE

- Depending on the size and shape of the iPod/iPhone that is connected to the system, the lid may not close fully. In this case, do not forcibly close the lid as this may damage the iPod/iPhone or the terminal, etc.
- Do not leave your portable player in the car. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

### Sub menu

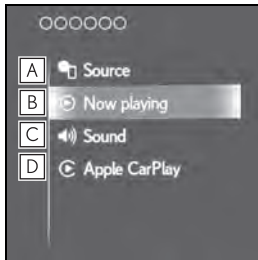
- ▶ An Apple CarPlay connection is not established



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting

screen. (→P.123)

- ▶ An Apple CarPlay connection is established



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display the sound setting screen. (→P.123)
- D** Select to display the Apple CarPlay screen.

## Android Auto\*

\*: This function is not made available in some countries or areas.

### Overview

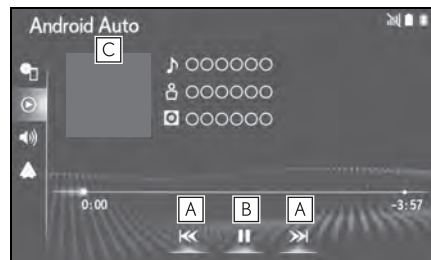
The Android Auto control screen can be reached by the following methods:

- ▶ Using the audio control switch
  - 1 Press the “MEDIA” button.
- ▶ Using the Remote Touch
  - 1 Press the “MENU” button on the Remote Touch, then select “Audio”.
- Connecting an Android device (→P.122)

When an Apple CarPlay connection is established, this function will be unavailable.\*

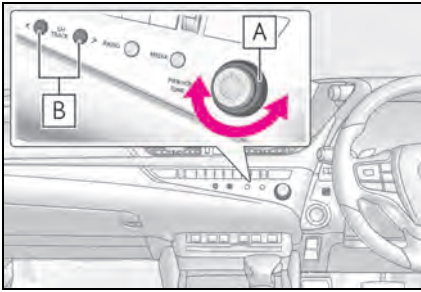
\*: This function is not made available in some countries or areas.

### Control screen



- A** Select to change the track.
- B** Select to play/pause.
- C** Displays cover art

### Audio control switch



- A** Turn to select a track.
- B** Press to select a track.



#### WARNING

- Do not operate the player's controls or connect the smartphone while driving.



#### NOTICE

- Depending on the size and shape of the smartphone that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the smartphone or the terminal, etc.
- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.
- Do not push down on or apply unnecessary pressure to the smartphone while it is connected as this may damage the smartphone or its terminal.
- Do not insert foreign objects into the port as this may damage the smartphone or its terminal.

### Sub menu



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display the sound setting screen. (→P.123)
- D** Select to display the Android Auto screen.

## Bluetooth® audio

The Bluetooth® audio system enables users to enjoy listening to music that is played on a portable player on the vehicle speakers via wireless communication.

This audio system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth®, the Bluetooth® audio system will not function.

### Overview

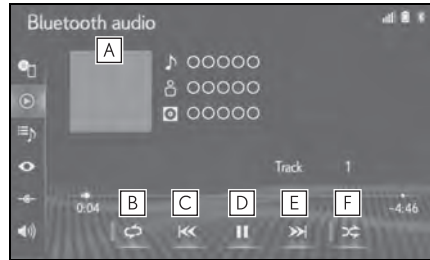
The Bluetooth® audio control screen can be reached by the following methods:

- ▶ Using the audio control switch
  - 1 Press the “MEDIA” button.
- ▶ Using the Remote Touch
  - 1 Press the “MENU” button on the Remote Touch, then select “Audio”.
- Connecting a Bluetooth® audio device (→P.145)

When an Apple CarPlay/Android Auto connection is established, Bluetooth® audio will be suspended and become unavailable.\*

\*: This function is not made available in some countries or areas.

### Control screen





- A** Displays cover art
- B** Select to set repeat playback. (→P.143)
- C** Select to change the track. Select and hold to fast rewind.
- D** Select to play/pause.
- E** Select to change the track. Select and hold to fast forward.
- F** Select to set random playback. (→P.144)

- Depending on the type of portable player connected, some functions may not be available and/or the screen may look differently than shown in this manual.

### Repeating

The track or album currently being listened to can be repeated.


- 1 Select .
- Each time  is selected, the mode changes as follows:

- ▶ When random playback is off
  - track repeat → album repeat → off
- ▶ When random playback is on
  - track repeat → off

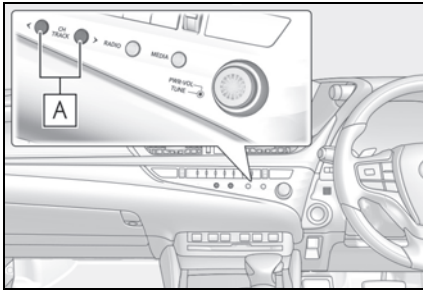
### Random order

Tracks or albums can be automatically and randomly selected.



#### 1 Select .

- Each time  is selected, the mode changes as follows:
  - random (1 album random) → album random (all album random) → off

### Audio control switch



- A** Press to select a track.  
Press and hold to fast forward/rewind.

- Depending on the Bluetooth<sup>®</sup> device that is connected to the system, the music may start playing when selecting  while it is paused. Conversely, the music may pause when selecting  while it is playing.
- In the following conditions, the system may not function:
  - The Bluetooth<sup>®</sup> device is turned off.
  - The Bluetooth<sup>®</sup> device is not connected.

- The Bluetooth<sup>®</sup> device has a low battery.
- When using the Bluetooth<sup>®</sup> audio and Wi-Fi<sup>®</sup> functions at the same time, the following problems may occur:
  - It may take longer than normal to connect to the Bluetooth<sup>®</sup> device.
  - The sound may cut out.
- It may take time to connect the phone when Bluetooth<sup>®</sup> audio is being played.
- For operating the portable player, see the instruction manual that comes with it.
- If the Bluetooth<sup>®</sup> device is disconnected due to poor reception from the Bluetooth<sup>®</sup> network when the power switch is in ACCESSORY or ON mode, the system automatically reconnects the portable player.
- If the Bluetooth<sup>®</sup> device is disconnected on purpose, such as it was turned off, this does not happen. Reconnect the portable player manually.
- Bluetooth<sup>®</sup> device information is registered when the Bluetooth<sup>®</sup> device is connected to the Bluetooth<sup>®</sup> audio system. When selling or disposing of the vehicle, remove the Bluetooth<sup>®</sup> audio information from the system. (→P.61)
- In some situations, sound output via the Bluetooth<sup>®</sup> audio system may be out of sync with the connected device or output intermittently.

### WARNING

- Do not operate the player's controls or connect to the Bluetooth<sup>®</sup> audio system while driving.

### ⚠ WARNING

- Your audio unit is fitted with Bluetooth<sup>®</sup> antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth<sup>®</sup> antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth<sup>®</sup> devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.



### ⚠ NOTICE

- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.

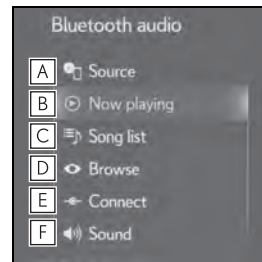
## Connecting a Bluetooth<sup>®</sup> device

To use the Bluetooth<sup>®</sup> audio system, it is necessary to register a Bluetooth<sup>®</sup> device with the system.

- ▶ Registering an additional device
- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Setup".

- 3 Select  "Bluetooth" on the sub menu.
- 4 Select "Add New Device".
- 5 For more information: →P.44
- ▶ Selecting a registered device
- 1 Select  "Connect" on the sub menu.
- 2 Select the device to be connected.

### Sub menu



- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the portable device connection screen. (→P.145)
- F** Select to display the sound setting screen. (→P.123)

## Miracast<sup>®</sup>\*

\*: Miracast<sup>®</sup> is a registered trademark of Wi-Fi Alliance<sup>®</sup>.

**Miracast<sup>®</sup> is a function that enables the Headunit to display smartphone's screen and play the smartphone's sound by connecting the smartphone to the Headunit with Wi-Fi<sup>®</sup> connection (P2P mode).**

**This function is not available if the smartphone is not certified by Wi-Fi Alliance<sup>®</sup> as Miracast<sup>®</sup> device.**

**The system can only output the sound while driving.**

- Miracast<sup>®</sup> performs wireless communication using the same 2.4 GHz radio frequency band as Bluetooth<sup>®</sup>. Depending on the usage environment, radio wave interference may occur, resulting in image distortion and audio stuttering. If interference occurs, connecting a Bluetooth<sup>®</sup> cellular phone or portable device that is registered with the navigation system may reduce the effects.

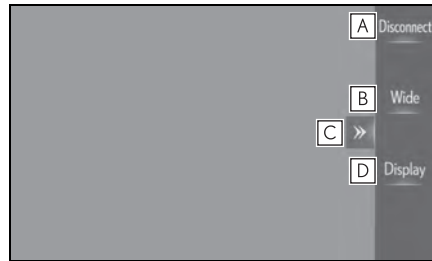
### Overview

The Miracast<sup>®</sup> control screen can be reached by the following methods:

- ▶ Using the audio control switch
  - 1 Press the "MEDIA" button.
- ▶ Using the Remote Touch
  - 1 Press the "MENU" button on the Remote Touch, then select "Audio".

- Connecting a Miracast<sup>®</sup> device: →P.147

### Control screen



- A** Select to disconnect the Miracast<sup>®</sup> device.
- B** Select to change the screen size. (→P.124)
- C** Select to display/hide the control button.
- D** Select to display the image quality adjustment screen. (→P.125)

- The Miracast<sup>®</sup> sound volume takes into account the sound volume of both the navigation system and the connected device. Before using Miracast<sup>®</sup>, adjust the sound volume of the connected device to an appropriate level.
- When a device that uses Bluetooth<sup>®</sup> audio is used with Miracast<sup>®</sup>, no sound may be output from Miracast<sup>®</sup>. If this occurs, disabling the Bluetooth<sup>®</sup> audio may allow sound to be output from Miracast<sup>®</sup>.

### WARNING

- Do not connect portable audio device or operate the controls while driving.

**NOTICE**

- Do not leave portable audio device in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.

**Connecting a Miracast<sup>®</sup> device**

Miracast<sup>®</sup> is available when the Wi-Fi<sup>®</sup> function is enabled. (→P.49)

- 1 Turn the Miracast<sup>®</sup> function of your smartphone on.
- 2 Select “Miracast™” on the audio source selection screen. (→P.121)
  - The system will automatically start searching for a Miracast<sup>®</sup> compatible device.
- 3 Check that a confirmation screen is displayed when the device is found.
  - If the device has been connected to the system before, this screen may not be displayed and the Miracast<sup>®</sup> connection may start immediately.
- 4 Select the system name on the smartphone.
- 5 Select “Yes”.
- 6 Check that Miracast<sup>®</sup> operation screen is displayed.
  - Depending on the device connected, it may take approximately 5 to 15 seconds before the Miracast<sup>®</sup> operation screen is displayed.

- The signal strength/status of the Wi-Fi<sup>®</sup> connection (P2P mode) is displayed on the upper right side of the screen.

(→P.21)

- To check the Miracast<sup>®</sup> setting on the Wi-Fi<sup>®</sup> setting screen (→P.49)

**Miracast<sup>®</sup> screen display**

The Miracast<sup>®</sup> screen displays the same image that is sent from the external device. If the external device screen is vertically-oriented, the screen may also display a vertical image.

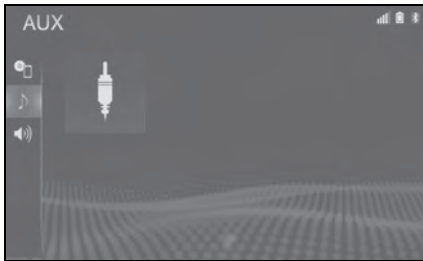
## AUX

### Overview

The AUX control screen can be reached by the following methods:

- ▶ Using the audio control switch
  - 1 Press the "MEDIA" button.
- ▶ Using the Remote Touch
  - 1 Press the "MENU" button on the Remote Touch, then select "Audio".
- Connecting a device to the AUX port (→P.122)

### Control screen



#### WARNING

- Do not connect portable audio device or operate the controls while driving.

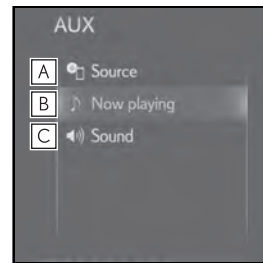


#### NOTICE

- Depending on the size and shape of the portable audio device that is connected to the system, the lid may not close fully. In this case, do not forcibly close the lid as this may damage the portable audio device or the terminal, etc.

- Do not leave portable audio device in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.
- Do not push down on or apply unnecessary pressure to the portable audio device while it is connected as this may damage the portable audio device or its terminal.
- Do not insert foreign objects into the port as this may damage the portable audio device or its terminal.

### Sub menu

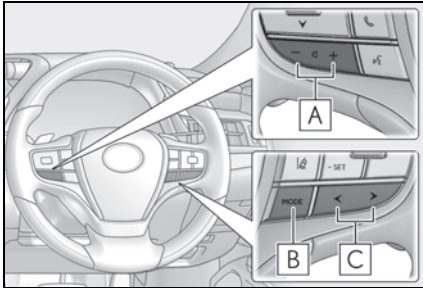


- A** Select to display the audio source selection screen. (→P.121)
- B** Select to return to the control screen.
- C** Select to display the sound setting screen. (→P.123)

## Steering switches

### Steering switch operation

Some parts of the audio/visual system can be adjusted using the switches on the steering wheel.



**A** Volume control switch

**B** "MODE" switch

**C** ◀ ▶ switch

#### ■ Volume control switch

- Press: Volume up/down
- Press and hold (0.8 sec. or more): Volume up/down continuously

#### ■ "MODE" switch

- ▶ AM/FM/DAB, AUX
- Press: Change audio modes
- Press and hold (0.8 sec. or more): Mute
- ▶ CD, MP3/WMA/AAC disc, DVD, USB<sup>\*1,2</sup>, iPod/iPhone<sup>\*2</sup>, Android Auto<sup>\*1</sup>, Bluetooth<sup>®</sup> audio<sup>\*1,2</sup>, APPS<sup>\*1,2</sup>
- Press: Change audio modes
- Press and hold (0.8 sec. or more):

Pause

▶ Miracast<sup>®</sup>

- Press: Change audio modes

<sup>\*1</sup>: When an Apple CarPlay is established, this function will be unavailable.

<sup>\*2</sup>: When an Android Auto is established, this function will be unavailable.

#### ■ ◀ ▶ switch

▶ AM/FM

- Press: Preset stations up/down (Presets screen)  
Station up/down (Station list screen)  
Seek up/down (Manual tuning screen)
- Press and hold (0.8 sec. or more): Seek up/down continuously while the switch is being pressed (Manual tuning screen)
- ▶ DAB
- Press: Preset services/stations up/down (Presets screen)  
Service/station up/down (Service/station list screen)  
Seek up/down (Manual tuning screen)
- Press and hold (0.8 sec. or more): Seek up/down continuously while the switch is being pressed (Manual tuning screen)
- ▶ CD
- Press: Track up/down
- Press and hold (0.8 sec. or more): Fast forward/rewind

- ▶ MP3/WMA/AAC disc
  - Press: File up/down
  - Press and hold (0.8 sec. or more): Fast forward/rewind
- ▶ DVD
  - Press: Chapter up/down
  - Press and hold (0.8 sec. or more): Fast forward/rewind
- ▶ USB<sup>\*1,2</sup>
  - Press: File/Track up/down
  - Press and hold (0.8 sec. or more): Fast forward/rewind
- ▶ iPod/iPhone<sup>\*2</sup>
  - Press: Track up/down
  - Press and hold (0.8 sec. or more): Fast forward/rewind
- ▶ Android Auto<sup>\*1</sup>
  - Press: Track up/down
- ▶ Bluetooth<sup>®</sup> audio<sup>\*1,2</sup>
  - Press: Track up/down
  - Press and hold (0.8 sec. or more): Fast forward/rewind

<sup>\*1</sup>: When an Apple CarPlay is established, this function will be unavailable.

<sup>\*2</sup>: When an Android Auto is established, this function will be unavailable.

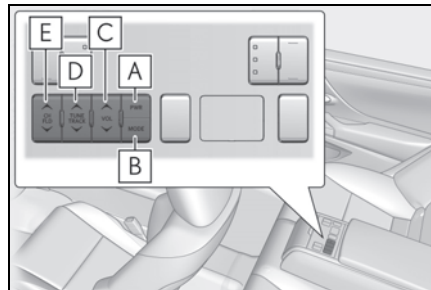
● In the APPS mode, some operation may be done on the screen depend on the selected APPS.

## Rear seat audio control switches<sup>\*</sup>

<sup>\*</sup>: If equipped

## Rear seat audio control switch operation

Some audio/visual features can be controlled from the rear seats.



**A** "PWR" switch

**B** "MODE" switch

**C** "VOL" switch

**D** "TUNE/TRACK" switch

**E** "CH/FLD" switch

■ "PWR" switch

● Press: Audio system on/off

■ "MODE" switch

● Press: Change audio modes

■ "VOL" switch

● Press: Volume up/down

● Press and hold (0.8 sec. or more): Volume up/down continuously

### ■ “TUNE/TRACK” switch

#### ▶ AM/FM

- Press: Preset stations up/down (Presets screen)  
Station up/down (Station list screen)  
Seek up/down (Manual tuning screen)
- Press and hold (0.8 sec. or more):  
Seek up/down continuously while the switch is being pressed (Manual tuning screen)

#### ▶ DAB

- Press: Preset services/stations up/down (Presets screen)  
Service/station up/down (Service/station list screen)  
Seek up/down (Manual tuning screen)
- Press and hold (0.8 sec. or more):  
Seek up/down continuously while the switch is being pressed (Manual tuning screen)

#### ▶ CD

- Press: Track up/down
- Press and hold (0.8 sec. or more):  
Fast forward/rewind

#### ▶ MP3/WMA/AAC disc

- Press: File up/down
- Press and hold (0.8 sec. or more):  
Fast forward/rewind

#### ▶ DVD

- Press: Chapter up/down
- Press and hold (0.8 sec. or more):  
Fast forward/rewind

#### ▶ USB

- Press: File/Track up/down
- Press and hold (0.8 sec. or more):  
Fast forward/rewind

#### ▶ iPod/iPhone <sup>\*1</sup>

- Press: Track up/down
- Press and hold (0.8 sec. or more):  
Fast forward/rewind

#### ▶ Android Auto <sup>\*2</sup>

- Press: Track up/down
- ▶ Bluetooth<sup>®</sup> audio <sup>\*1, 2</sup>
- Press: Track up/down
- Press and hold (0.8 sec. or more):  
Fast forward/rewind

<sup>\*1</sup>: When an Android Auto is established, this function will be unavailable.

<sup>\*2</sup>: When an Apple CarPlay is established, this function will be unavailable.

### ■ “CH/FLD” switch

#### ▶ MP3/WMA/AAC disc, USB, Bluetooth<sup>®</sup> audio

- Press: Folder/Album up/down

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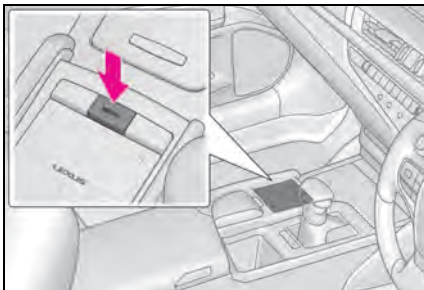
● In the APPS mode, some operation may be done on the screen depend on the selected APPS.


## Audio settings

Detailed audio settings can be programmed.

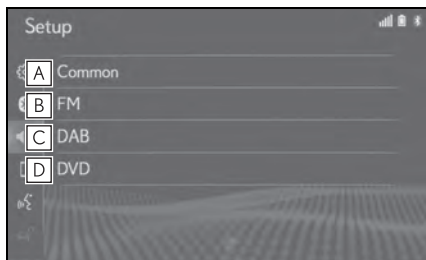
### Displaying the audio settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Audio" on the sub menu.
- 4 Select the desired item to be set.

### Audio settings screen




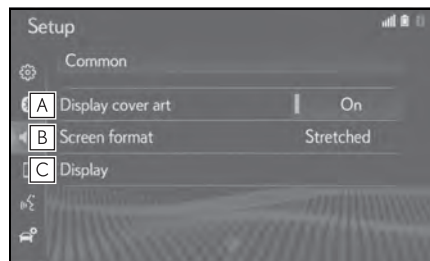
- A Select to set the common settings. (→P.152)
- B Select to set detailed FM radio set-

tings. (→P.152)

- C Select to set detailed DAB settings. (→P.153)
- D Select to set detailed DVD settings. (→P.153)

### Common settings


- 1 Display the audio settings screen:
  - "MENU" button → "Setup" →  "Audio" on the sub menu
- 2 Select "Common".
- 3 Select the desired item to be set.



- A Select to set the cover art display on/off.
- B Select to change the screen size.\* (→P.124)
- C Select to display the image quality adjustment screen.\* (→P.125)

\*: Only in DVD video, USB video or Miracast® mode.

### FM radio settings


- 1 Display the audio settings screen:
  - "MENU" button → "Setup" →  "Audio" on the sub menu

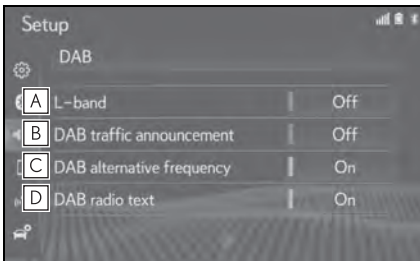
- 2 Select "FM".
- 3 Select the desired button to be set.



- A** Select on/off to set the FM Radio text feature.

### DAB settings

- 1 Display the audio settings screen:
  - "MENU" button → "Setup" → 
- 2 Select "DAB".
- 3 Select the desired button to be set.




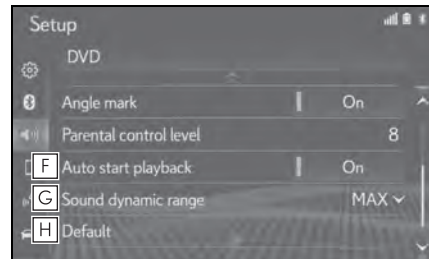
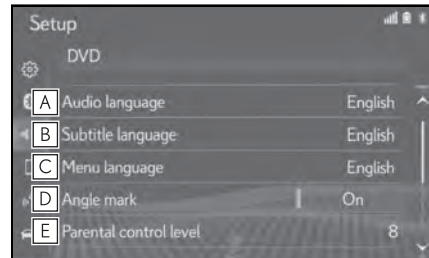
- A** Select on/off to set L-band in the tune range. When "Off" is selected, the physical channel range for tuning operations is limited to Band III, excluding for preset operations. When "On" is selected, the physical channel range for tuning operations includes Band III and L-band.
- B** Select to set the DAB traffic

announcement on/off. (→P.128)

- C** Select to set the FM alternative frequency function on/off. (→P.128)
- D** Select on/off to set the DAB text feature.

### DVD settings

- 1 Display the audio settings screen:
  - "MENU" button → "Setup" → 
  - "Audio" on the sub menu
- 2 Select "DVD".
- 3 Select the desired items to be set.



- A** Select to change the audio language. (→P.154)
- B** Select to change the subtitle language. (→P.154)
- C** Select to change the language of the DVD video menu. (→P.154)
- D** Select to set the angle mark on/off.

- E** Select to set the parental control level. (→P.154)
- F** Select to set the auto start playback on/off.  
Discs that are inserted while the vehicle is in motion will automatically start playing. Certain discs may not play.
- G** Select to set a dynamic range. (→P.154)
- H** Select to initialize all menus.

### Audio language

- 1 Select "Audio language".
  - 2 Select the desired language to be heard.
- If the desired language to be heard cannot be found on this screen, select "Other" and enter a language code. (→P.154)

### Subtitle language

- 1 Select "Subtitle language".
  - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select "Other" and enter a language code. (→P.154)

### Menu language

- 1 Select "Menu language".
- 2 Select the desired language to be read.

- If the desired language to be read cannot be found on this screen, select "Other" and enter a language code. (→P.154)

### Parental control level

- 1 Select "Parental control level".
- 2 Enter the 4-digit personal code.
- 3 Select a parental level (1-8).

### Sound dynamic range

The difference between the lowest volume and the highest volume can be adjusted.

- 1 Select "Sound dynamic range".
- 2 Select "MAX", "MID" or "MIN".

### Enter audio/subtitle/menu language

If "Other" on the "Audio language" screen, "Subtitle language" screen or "Menu language" screen is selected, the desired language to be heard or read can be selected by entering a language code.

- 1 Enter the 4-digit language code.
- 2 Select "OK".

### Language codes list

Code	Language
0514	English
1001	Japanese
0618	French

Code	Language
0405	German
0920	Italian
0519	Spanish
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek
0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Belorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali, Bangla
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican

Code	Language
0319	Czech
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish
0704	Scottish-Gaelic
0712	Galician
0714	Guarani
0721	Gujarati
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak
0914	Indonesian
0919	Icelandic
0921	Inuktitut

Code	Language
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian
1114	Kannada
1119	Kashmiri
1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laotian
1220	Lithuanian
1222	Latvian, Lettish
1307	Malagasy
1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese
1401	Nauru
1405	Nepali

Code	Language
1415	Norwegian
1503	Occitan
1513	(Afan) Oromo
1518	Oriya
1601	Punjabi
1612	Polish
1619	Pashto, Pushto
1721	Quechua
1813	Rhaeto-Romance
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sango
1908	Serbo-Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoan
1914	Shona
1915	Somali
1917	Albanian
1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese
1923	Swahili

Code	Language
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tongan
2018	Turkish
2019	Tsonga
2020	Tatar
2023	Twi
2107	Uighur
2111	Ukrainian
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2601	Zhuang
2621	Zulu

## Operating information

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio/visual system which you are listening to. However, this does not indicate a malfunction.



### NOTICE

- To avoid damage to the audio/visual system:
  - Be careful not to spill beverages over the audio/visual system.
  - Do not put anything other than an appropriate disc into the disc slot.

## Radio

Usually, a problem with radio reception does not mean there is a problem with the radio — it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or phone wires can interfere with AM signals. And of course, radio signals have a limited range. The farther the vehicle is from a station, the weaker its signal will be. In addition, reception conditions change constantly as the vehicle moves.

Here, some common reception problems that probably do not indicate a problem with the radio are described.

### ■ FM

**Fading and drifting stations:** Generally, the effective range of FM is about 40 km. Once outside this range, you may notice fading and drifting, which

increase with the distance from the radio transmitter. They are often accompanied by distortion.

**Multi-path:** FM signals are reflective, making it possible for 2 signals to reach the vehicle's antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

**Static and fluttering:** These occur when signals are blocked by buildings, trees or other large objects. Increasing the bass level may reduce static and fluttering.

**Station swapping:** If the FM signal being listened to is interrupted or weakened, and there is another strong station nearby on the FM band, the radio may tune in the second station until the original signal can be picked up again.

### ■ AM

**Fading:** AM broadcasts are reflected by the upper atmosphere — especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

**Station interference:** When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

**Static:** AM is easily affected by external sources of electrical noise, such as high

tension power lines, lightning or electrical motors. This results in static.

### DVD player and disc

- This DVD player is intended for use with 12 cm discs only.
- Extremely high temperatures can keep the DVD player from working. On hot days, use the air conditioning system to cool the inside of the vehicle before using the player.
- Bumpy roads or other vibrations may make the DVD player skip.
- If moisture gets into the DVD player, the discs may not be able to be played. Remove the discs from the player and wait until it dries.



#### WARNING

- The DVD player uses an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.

#### ■ DVD player

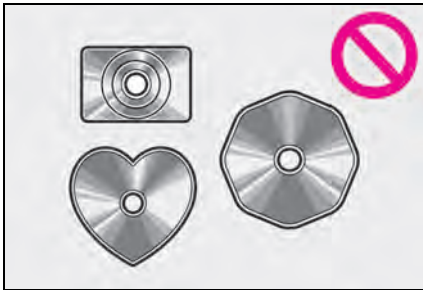
“DVD Logo” is a trademark of DVD Format/Logo Licensing Corporation.

Audio CDs	   
DVD video discs	
DVD-R/RW discs	 

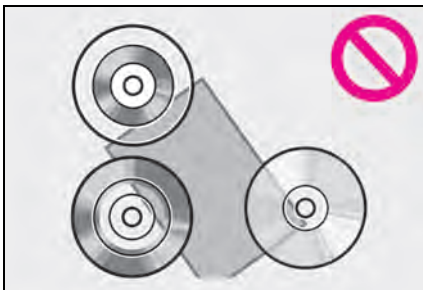
- Use only discs marked as shown above. The following products may not be playable on your player:

- SACD
- dts CD
- Copy-protected CD
- DVD-Audio
- Video CD
- DVD-RAM

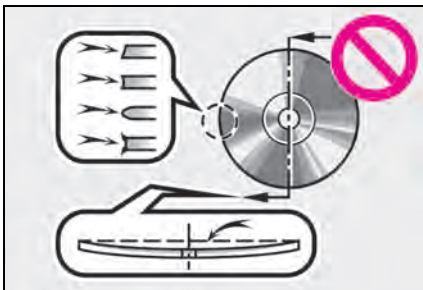
## ▶ Special shaped discs



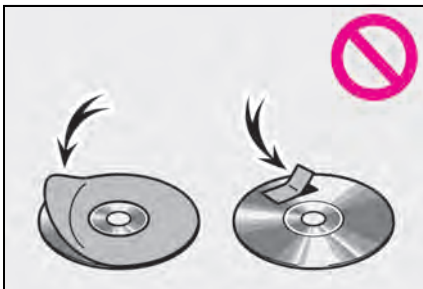
## ▶ Transparent/translucent discs



## ▶ Low quality discs

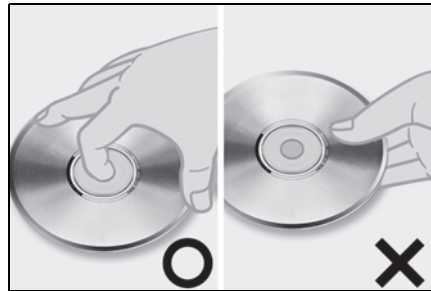


## ▶ Labeled discs



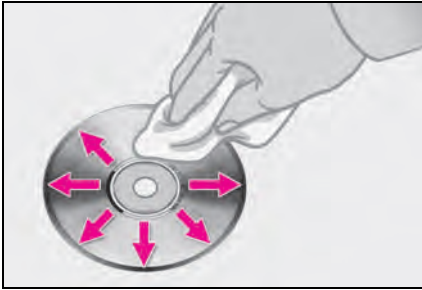
## ⚠ NOTICE

- Do not use special shaped, transparent/translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player, or it may be impossible to eject the disc.
- This system is not designed for use of Dual Discs. Do not use Dual Discs because they may cause damage to the player.
- Do not use discs with a protection ring. The use of such discs may damage the player, or it may be impossible to eject the disc.
- Do not use printable discs. The use of such discs may damage the player, or it may be impossible to eject the disc.



- Handle discs carefully, especially when inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the players when not in use. Store them in their plastic cases away from moisture,

heat and direct sunlight.



To clean a disc: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the centre to the edge of the disc (not in circles). Dry it with another soft, lint-free cloth. Do not use a conventional record cleaner or anti-static device.

#### ■ CD-R/RW and DVD-R/RW discs

- CD-R/CD-RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD-R/CD-RW discs may be dam-

aged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable to play some damaged discs.

- If you insert a CD-RW disc into the player, playback will begin more slowly than with a conventional CD or CD-R disc.
- Recordings on CD-R/CD-RW cannot be played using the DDCD (Double Density CD) system.








#### ■ DVD video discs

This DVD player conforms to NTSC/PAL colour TV formats. DVD video discs conforming to another format such as SECAM cannot be used.

Region codes: Some DVD video discs have the following region code indicating which countries the DVD video disc can be played in on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, error message appears on the screen. Even if the DVD video disc does not have a region code, there are cases when it cannot be used.

Code	Country
ALL	All countries
4	Australia, New Zealand

► Marks shown on DVD video discs

	Indicates NTSC/PAL format of colour TV.
	Indicates the number of audio tracks.
	Indicates the number of language subtitles.
	Indicates the number of angles.
	Indicates the screen to be selected. Wide screen: 16:9 Standard: 4:3
	Indicates a region code by which this video disc can be played. "ALL": in all countries Number: region code
	

■ DVD video disc glossary

DVD video discs: Digital Versatile Disc that holds video. DVD video discs have adopted "MPEG2", one of the world standards of digital compression technologies. The picture data is compressed by 1/40 on average and stored. Variable rate encoded technology in which the volume of data assigned to the picture is changed depending on the picture format has

also been adopted. Audio data is stored using PCM and Dolby Digital, which enables higher quality of sound. Furthermore, multi-angle and multi-language features will also help users enjoy the more advanced technology of DVD video.

Viewer restrictions: This feature limits what can be viewed in conformity with a level of restrictions of the country. The level of restrictions varies depending on the DVD video disc. Some DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

- Level 1: DVD video discs for children can be played.
- Level 2 - 7: DVD video discs for children and G-rated movie can be played.
- Level 8: All types of the DVD video discs can be played.

Multi-angle feature: The same scene can be enjoyed from different angles.

Multi-language feature: The subtitle and audio language can be selected.

Region codes: The region codes are provided on DVD players and DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes: (→P.161)

Audio: This DVD player can play linear PCM, Dolby Digital and MPEG audio format DVDs. Other decoded types cannot be played.

Title and chapter: Video and audio programs stored in DVD video discs are divided into parts by title and chapter.

Title: The largest unit of the video and audio programs stored on DVD video discs. Usually, one movie, one album, or one audio program is assigned as a title.

Chapter: A unit smaller than that of title. A title comprises of several chapters.

#### ■ Certification

- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

### iPod

#### ■ Certification



- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please

note that the use of this accessory with an Apple product may affect wireless performance.

- iPhone, iPod, iPod classic, iPod nano, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

#### ■ Compatible models

The following iPod touch<sup>®</sup> and iPhone<sup>®</sup> devices can be used with this system.

Made for

- iPhone X
  - iPhone 8
  - iPhone 8 Plus
  - iPhone 7
  - iPhone 7 Plus
  - iPhone SE
  - iPhone 6s
  - iPhone 6s Plus
  - iPhone 6
  - iPhone 6 Plus
  - iPhone 5s
  - iPhone 5c
  - iPhone 5
  - iPod touch (6th generation)
  - iPod touch (5th generation)
- 
- This system only supports audio playback.
  - Depending on differences between models or software versions etc., some models might be incompatible with this system.

#### High-resolution sound source

This device supports high-resolution sound sources.

Supported formats and playable media are as follows.

■ **Supported formats**

WAV, FLAC, ALAC, OGG Vorbis

■ **Playable media**

USB

**File information**

**Compatible USB devices**

USB communication formats	USB 2.0 HS (480 Mbps)
File formats	FAT 16/32
Correspondence class	Mass storage class

**Compatible audio format**

**Compatible compressed files**

■ **Compatible file format (Audio)**

USB	DISC
MP3/WMA/AAC/WAV(LPCM)/FLAC/ALAC/OGG Vorbis	MP3/WMA/AAC

■ **Compatible file format (Video)**

USB	DISC
WMV/AVI/MP4/M4V	—

■ **Folders in the device**

USB	DISC
Maximum 3000	Maximum 192

■ **Files in the device**

USB	DISC
Maximum 9999	Maximum 255

■ **Files per folder**

USB	DISC
Maximum 255	Maximum 999

**Corresponding sampling frequency**

File type	Frequency (kHz)
MP3 files: MPEG 1 LAYER 3	32/44.1/48
MP3 files: MPEG 2 LSF LAYER 3	16/22.05/24
WMA files: Ver. 7, 8, 9*1 (9.1/9.2)	32/44.1/48
AAC files: MPEG4/AAC-LC	11.025/12/16/22.0 5/24/32/44.1/48
WAV(LPCM) files*2	8/11.025/12/16/22. 05/24/32/44.1/4 8/88.2/96/176.4/1 92
FLAC*2	8/11.025/12/16/22. 05/24/32/44.1/4 8/88.2/96/176.4/1 92

File type	Frequency (kHz)
ALAC <sup>*2</sup>	8/11.025/12/16/22.05/24/32/44.1/48/64/88.2/96
OGG Vorbis <sup>*2</sup>	8/11.025/16/22.05/32/44.1/48

<sup>\*1</sup>: Only compatible with Windows Media Audio Standard

<sup>\*2</sup>: Sound source of 48kHz or more is down-converted to 48kHz/24bit.

### Corresponding bit rates<sup>\*1</sup>

File type	Bit rate (kbps)
MP3 files: MPEG 1 LAYER 3	32 - 320
MP3 files: MPEG 2 LSF LAYER 3	8 - 160
WMA files: Ver. 7, 8	CBR 48 - 192
WMA files: Ver. 9 <sup>*2</sup> (9.1/9.2)	CBR 48 - 320
AAC files: MPEG4/AAC-LC	8 - 320
OGG Vorbis	32-500

<sup>\*1</sup>: Variable Bit Rate (VBR) compatible

<sup>\*2</sup>: Only compatible with Windows Media Audio Standard

File type	Quantization bit rate (bit)
WAV (LPCM) files	16/24
FLAC	
ALAC	

### Compatible channel modes

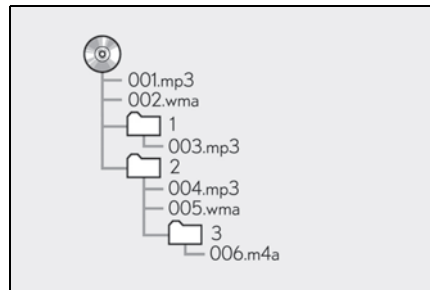
File type	Channel mode
MP3 files	Stereo, joint stereo, dual channel and monaural
WMA files	2ch
AAC files	1ch, 2ch (Dual channel is not supported)
WAV (LPCM) /FLAC/ALAC/ OGG Vorbis	2ch

- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.
- This system can play MP3/WMA/AAC files on CD-R/CD-RW/DVD-R/DVD-RW discs and USB memory.
- This system can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system and UDF (2.01 or lower).
- When naming an MP3/WMA/AAC file, add an appropriate file extension (.mp3/.wma/.m4a).
- This system plays back files with .mp3/.wma/.m4a file extensions as MP3/WMA/AAC files respectively. To prevent noise and playback errors, use the appropriate file extension.

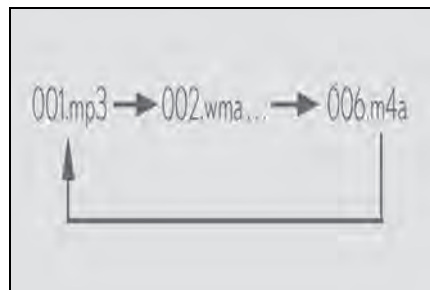
- This system can play only the first session/border when using multi session/border compatible discs.
- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2 and Ver. 2.3 formats. This system cannot display disc title, track title and artist name in other formats.
- WMA/AAC files can contain a WMA/AAC tag that is used in the same way as an ID3 tag. WMA/AAC tags carry information such as track title and artist name.
- The emphasis function is available only when playing MP3 files.
- This system can play back AAC files encoded by iTunes.
- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, discs recorded with a bit rate of at least 128 kbps are recommended.
- m3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3-PRO formats are not compatible with the audio player.
- The player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if the fast forward or reverse operations are used.
- It is not possible to check folders

that do not include MP3/WMA/AAC files.

- MP3/WMA/AAC files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than 2 levels of folders.



- The play order of the compact disc with the structure shown above is as follows:



- The order changes depending on the personal computer and MP3/WMA/AAC encoding software you use.

Compatible video format	
Format	Codec
MPEG-4	Video codec: <ul style="list-style-type: none"> <li>• H.264/MPEG-4 AVC</li> <li>• MPEG4</li> </ul> Audio codec: <ul style="list-style-type: none"> <li>• AAC</li> <li>• MP3</li> </ul> Corresponding screen size: <ul style="list-style-type: none"> <li>• MAX 1920×1080</li> </ul> Corresponding frame rate: <ul style="list-style-type: none"> <li>• MAX 60i/30p</li> </ul>

Format	Codec
AVI Container	Video codec: <ul style="list-style-type: none"> <li>• H.264/MPEG-4 AVC</li> <li>• MPEG4</li> <li>• WMV9</li> <li>• WMV9 Advanced profile</li> </ul> Audio codec: <ul style="list-style-type: none"> <li>• AAC</li> <li>• MP3</li> <li>• WMA9.2 (7,8,9,1,9.2)</li> </ul> Corresponding screen size: <ul style="list-style-type: none"> <li>• MAX 1920×1080</li> </ul> Corresponding frame rate: <ul style="list-style-type: none"> <li>• MAX 60i/30p</li> </ul>
Windows Media Video	Video codec: <ul style="list-style-type: none"> <li>• WMV9</li> <li>• WMV9 Advanced profile</li> </ul> Audio codec: <ul style="list-style-type: none"> <li>• WMA9.2 (7,8,9,1,9.2)</li> </ul> Corresponding screen size: <ul style="list-style-type: none"> <li>• MAX 1920×1080</li> </ul> Corresponding frame rate: <ul style="list-style-type: none"> <li>• MAX 60i/30p</li> </ul>

### Terms

#### ■ Packet write

- This is a general term that describes

the process of writing data on-demand to CD-R, etc., in the same way that data is written to floppy or hard discs.

#### ■ ID3 tag

- This is a method of embedding track-related information in an MP3 file. This embedded information can include the track number, track title, the artist's name, the album title, the music genre, the year of production, comments, cover art and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to a number of characters, the information can be viewed when the track is played back.

#### ■ WMA tag

- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title and artist name.

#### ■ ISO 9660 format

- This is the international standard for the formatting of CD-ROM folders and files. For the ISO 9660 format, there are 2 levels of regulations.
- Level 1: The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one-byte capital letters and numbers. The “\_” symbol may also be included.)
- Level 2: The file name can have up to 31 characters (including the sep-

aration mark “.” and file extension). Each folder must contain fewer than 8 hierarchies.

#### ■ MP3

- MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

#### ■ WMA

- WMA (Windows Media Audio) is an audio compression format developed by Microsoft®. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8 and 9.
- This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.

#### ■ AAC

- AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG2 and MPEG4.

## Error messages

### ■ CD/DVD

Message	Explanation
"Check disc"	It indicates that the disc is dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. It indicates a disc which is not playable is inserted.
"DISC error"	There is a trouble inside the system. Eject the disc.
"Region code error"	It indicates that the DVD region code is not set properly.

### ■ USB

Message	Explanation
"USB error"	This indicates a problem in the USB memory or its connection.
"No music files found."	This indicates that no MP3/WMA/AAC files are included in the USB memory.
"No video files found."	This indicates that no video files are included in the USB memory.

### ■ iPod

Message	Explanation
"iPod Error."	This indicates a problem in the iPod or its connection.
"No music files found."	This indicates that there is no music data in the iPod.
"Check the iPod firmware version."	This indicates that the firmware version is not compatible. Perform the iPod firmware updates and try again.
"iPod authorization could not be completed."	This indicates that it failed to authorize the iPod. Please check your iPod.

### ■ Bluetooth® audio

Message	Explanation
"Music tracks are not supported. Check your portable device."	This indicates a problem in the Bluetooth® device.

- If the malfunction is not rectified, take your vehicle to your Lexus dealer.



## Speech command system

### 5

#### 5-1. Speech command system operation

Speech command system ..... 172

Command list ..... 174

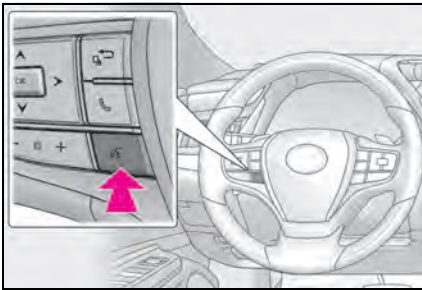
## Speech command system

The speech command system enables the radio, phone dialing, etc. to be operated using speech commands.

Refer to the command list for samples of speech commands.  
(→P.174)

## Using the speech command system

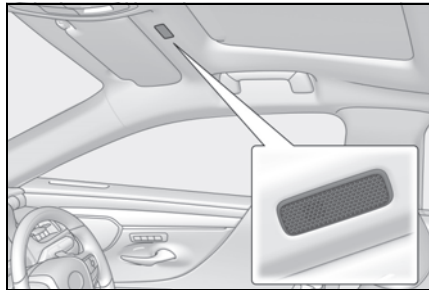
### ■ Talk switch



- Speech command system:
  - Press the talk switch to start the speech command system. Press and hold the talk switch to cancel the speech command system.
- When an Apple CarPlay/Android Auto connection is established\* :
  - Press and hold the talk switch to start Siri/Google Assistant. To cancel Siri/Google Assistant, press the talk switch.
  - Press the talk switch to start the speech command system.

\* : This function is not made available in some countries or areas.

### ■ Microphone



- It is unnecessary to speak directly into the microphone when giving a command.
- 
- Wait for the listening beep before speaking a command.
  - Speech commands may not be recognized if:
    - Spoken too quickly.
    - Spoken at a low or high volume.
    - The roof or windows are open.
    - Passengers are talking while speech commands are spoken.
    - The fan speed of the air conditioning system is set at high.
    - The air conditioning vents are turned towards the microphone.
    - The command is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for the system to recognize.
    - There is excessive background noise, such as wind noise.
  - This system may not operate immediately after the power switch is turned to ACCESSORY or ON mode.



### ⚠ NOTICE

- Do not touch and put a sharp object to the microphone. It may cause failure.

## Speech command system operation

The speech command system is operated by saying commands which correspond to a supported function. To display examples of commands for supported functions, select a function button on the screen after starting the speech command system.

- 1 Press the talk switch.
  - 2 After hearing a beep, say a supported command.
- To display sample commands of the desired function, say the desired function or select the desired function button. To display more commands, select "More hints".
  - Selecting "Help" or saying "Help" prompts voice guidance to offer examples of commands and operation methods.
  - Voice guidance for the speech command system can be skipped by pressing the talk switch.
  - Registered names in the contacts list etc., can be said in the place of the "<>" next to the commands. (→P.174)  
For example: Say "Call John Smith" etc.
  - If a desired outcome is not shown, or if no selections are available, perform one of the following to return to the previous screen:
    - Say "Go back".

- Press the  on the Remote Touch.
  - To cancel voice recognition, select , press and hold the talk switch, or say "Cancel".
  - To perform the speech command operation again, select "Start over" or say "Start over".
  - To suspend speech command operation, select "Pause" or say "Pause". To resume the speech command operation, select "Resume" or press the talk switch.
- 
- If the system does not respond or the confirmation screen does not disappear, press the talk switch and try again.
  - If a speech command cannot be recognized, voice guidance will say "Sorry, could you repeat that?" and speech command reception will restart.
  - If a speech command cannot be recognized 3 consecutive times, voice recognition will be canceled.
  - The amount of spoken feedback received from the system while using the speech command system (voice recognition prompts) can be set to on or off on the voice settings screen. (→P.62)

## Command list

### Command list overview

Recognizable speech commands and their actions are shown below.

- Frequently used commands are listed in the following tables.
- For devices that are not installed to the vehicle, commands relating to that device may not be displayed on the screen. Also, depending on other conditions, such as compatibility, some commands may not be displayed on the screen.
- The functions available may vary according to the system installed.
- When an Apple CarPlay/Android Auto connection is established, some commands will become unavailable.

### Command list

#### ■ Common

Command	Action
"Go back"	Returns to the previous screen
"Help"	Prompts voice guidance to offer examples of commands or operation methods
"Cancel"	Cancels the speech command system
"Start over"	Returns to top menu screen
"Pause"	Temporarily pauses a voice session until it is resumed by pressing the talk switch again

#### ■ Top menu

Command	Action
"Go to <function>"	Displays the command list of the selected function
"More hints"	Displays more commonly used commands

## ■ Navigation

Command	Action
"Go home"	Displays the route to home
"Enter an address"	Enables setting a destination by saying the address
"Find <POI category>"	Displays a list of <POI category> *
"Cancel route"	Cancels the route guidance
"Show <POI category> icons"	Displays the specified <POI category> * icons on the map
"Previous destination"	Displays previous destinations

\*: For example; "Petrol stations", "Restaurants", etc.

## ■ Phone

Command	Action
"Dial <phone number>"	Places a call to the specified phone number
"Show recent calls"	Displays the call history screen
"Call <contacts>"	Places a call to the specified contact from the phone book
"Call <contacts> at <phone type>"	Places a call to the specified phone type of the contact from the phone book
"Redial"	Places a call to the phone number of the latest outgoing call
"Call back"	Places a call to the phone number of latest incoming call

## ■ While in a phone call

Command	Action
"<digits>"	Sends the tones of the specified digits

## ■ Audio

Command	Action
"Play artist <artist name>"*1	Plays tracks from the selected artist
"Play album <album name>"*1	Plays tracks from the selected album
"Play playlist <playlist name>"*1, 2	Plays tracks from the selected playlist
"Play song <song>"*1	Plays the selected track
"Disc"	Selects the selected disc mode
"Auxiliary"	Selects AUX audio mode
"USB"	Selects USB audio mode that is connected first
"USB2"	Selects USB audio mode that is connected last
"iPod"	Selects iPod audio mode that is connected first
"iPod2"	Selects iPod audio mode that is connected last
"Bluetooth audio"	Selects Bluetooth® audio mode
"Android auto"*3	Selects Android auto music

\*1: The audio device must be connected via a USB cable to use the functionality

\*2: Available only for iPod/iPhone

\*3: Available when an Android Auto connection is established.

## ■ Radio

Command	Action
"Tune to <frequency> AM"	Changes the radio to the specified AM frequency
"Tune to <frequency> FM"	Changes the radio to the specified FM frequency
"Tune to preset <preset number> AM"	Changes the radio to the specified AM preset radio station
"Tune to preset <preset number> FM"	Changes the radio to the specified FM preset radio station
"AM radio"	Selects AM radio mode
"FM radio"	Selects FM radio mode
"DAB"	Selects DAB mode

## ■ Apps

Command	Action
"Launch <apps name>"*	Activates the specified application

\* : This command can only be used with installed applications.

- Commands relating to operation of the audio/visual systems can only be performed when the audio systems are turned on.



**6-1. Lexus parking assist monitor**Lexus parking assist monitor. **180**Estimated course line display  
mode ..... **183**Parking assist guide line display  
mode ..... **184**Distance guide line display mode  
..... **185**Lexus parking assist monitor pre-  
cautions ..... **186**Things you should know ..... **191****6-2. Panoramic view monitor**Panoramic view monitor ..... **193**Checking around the vehicle **199**Checking the front and around  
the vehicle ..... **200**Checking the sides of the vehicle  
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vehicle ..... **208**When folding the outside rear  
view mirrors ..... **215**Magnifying function ..... **216**Customizing the panoramic view  
monitor ..... **217**Panoramic view monitor precau-  
tions ..... **218**Things you should know ..... **228**

## Lexus parking assist monitor<sup>\*</sup>

\*: If equipped

**The parking assist monitor assists the driver by displaying an image of the view behind the vehicle while backing up, for example while parking.**

**When the display is changed to the wide rear view mode, a wider lateral view behind the vehicle will be displayed.**

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

### Driving precautions

The parking assist monitor is a supplemental device intended to assist the driver when backing up. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle, and could possibly cause an accident.

Pay attention to the following precautions when using the parking assist monitor.

### WARNING

- Never depend on the parking assist monitor entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution, just as you would when backing up any vehicle.
- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles, people or mount the shoulder, depress the brake pedal to stop the vehicle.
- The instructions given are only guidelines. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the parking assist system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the parking assist monitor in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tire chains or emergency tires
  - When the trunk is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
  - If the suspension has been modified or tires of a size other than specified are installed

### ⚠ WARNING

- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.210)

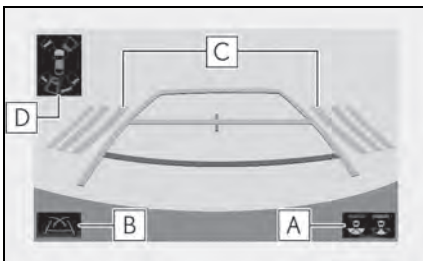
### Screen display

The parking assist monitor screen will be displayed if the shift lever is shifted to the "R" while the power switch is in ON mode.

Each time the display mode switching button is selected, the mode will change as follows:

#### ► Rear view

Displays the rear view of the vehicle.



#### **A** Display mode switching button

Each time the button is selected, the rear view mode and the wide rear view mode

are switched.

#### **B** Guide line switching button

Select to switch the guide line mode. (→P.195)

- Each time the button is selected, the display mode changes in the following order:

Estimated course line display mode →  
Parking assist guide line display mode →  
Distance guide line display mode.

#### **C** Rear Cross Traffic Alert\*

When a sensor detects a vehicle approaching from the rear, the direction of the vehicle approaching from the rear is displayed and the buzzer sounds.

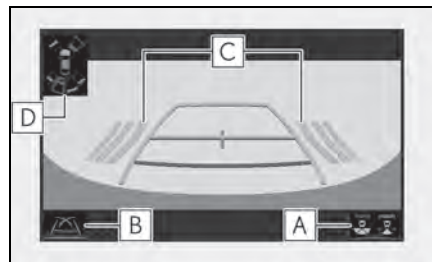
#### **D** Lexus parking assist-sensor

When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

\*: If equipped

#### ► Wide rear view

Displays a near 180° image from the rear view camera.



#### **A** Display mode switching button

Each time the button is selected, the rear view mode and the wide rear view mode are switched.

#### **B** Guide line switching button

Select to switch the guide line mode.

(→P.195)

- Each time the button is selected, the display mode changes in the following order:

Estimated course line display mode →

Parking assist guide line display mode →

Distance guide line display mode.

### **C** Rear Cross Traffic Alert\*

When a sensor detects a vehicle approaching from the rear, the direction of the vehicle approaching from the rear is displayed and the buzzer sounds.

### **D** Lexus parking assist-sensor

When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

\*: If equipped

- For details about the Rear Cross Traffic Alert function and Lexus parking assist-sensor, refer to the "Owner's Manual".



### WARNING

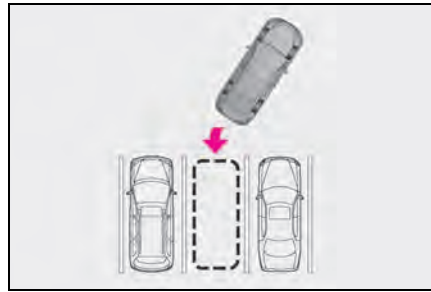
- As the Rear Cross Traffic Alert display is displayed over the camera view, it may be difficult to see the Rear Cross Traffic Alert display depending on the color and brightness of the surrounding area.

### Canceling Lexus parking assist monitor

The parking assist monitor is canceled when the shift lever is shifted into any position other than the "R".

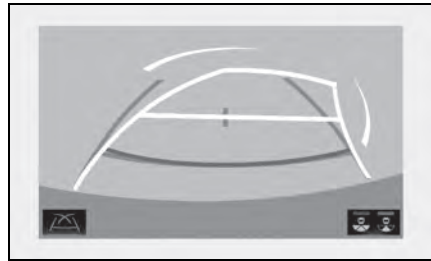
### Using the system

Use any of the following modes.



- ▶ Estimated course line display mode (→P.199)

Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



- ▶ Parking assist guide line display mode (→P.200)

The steering wheel return points (parking assist guide lines) are displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.



- ▶ Distance guide line display mode (→P.203)

Distance guide lines only are displayed.

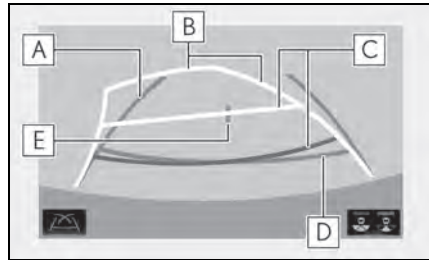
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.



## Estimated course line display mode

### Screen description

- ▶ Rear view



#### **A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

#### **B** Estimated course lines

Show an estimated course when the steering wheel is turned.

#### **C** Distance guide lines

Show distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 0.5 m (red) and approximately 1 m (yellow) from the center of the edge of the bumper.

#### **D** Distance guide line

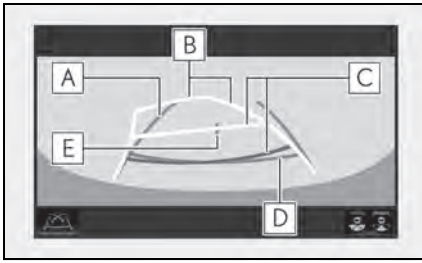
Shows distance behind the vehicle.

- Displays a point approximately 0.5 m (blue) from the edge of the bumper.

#### **E** Vehicle center guide line

Indicates the estimated vehicle center on the ground.

► Wide rear view



**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

**B** Estimated course lines

Show an estimated course when the steering wheel is turned.

**C** Distance guide lines

Show distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 0.5 m (red) and approximately 1 m (yellow) from the center of the edge of the bumper.

**D** Distance guide line

Shows distance behind the vehicle.

- Displays a point approximately 0.5 m (blue) from the edge of the bumper.

**E** Vehicle center guide line

Indicates the estimated vehicle center on the ground.



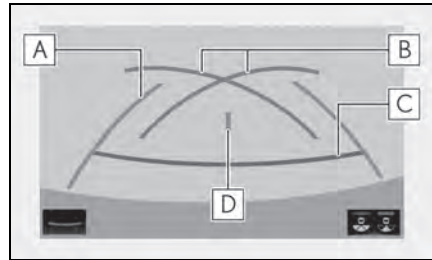
**WARNING**

- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Lexus dealer.

## Parking assist guide line display mode

### Screen description

► Rear view



**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

**B** Parking assist guide lines

Show the path of the smallest turn possible behind the vehicle.

**C** Distance guide line

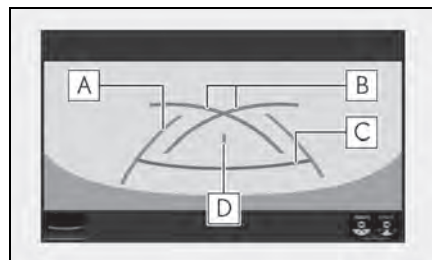
Shows distance behind the vehicle.

- Displays points approximately 0.5 m (red) from the edge of the bumper.

**D** Vehicle center guide line

Indicates the estimated vehicle center on the ground.

► Wide rear view



**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

**B** Parking assist guide lines

Show the path of the smallest turn possible behind the vehicle.

**C** Distance guide line

Shows distance behind the vehicle.

- Displays points approximately 0.5 m (red) from the edge of the bumper.

**D** Vehicle center guide line

Indicates the estimated vehicle center on the ground.

**Distance guide line display mode****Screen description**

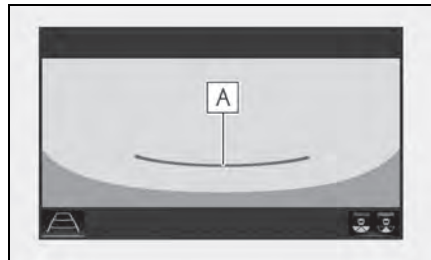
## ▶ Rear view

**A** Distance guide line

Shows distance behind the vehicle.

- Displays points approximately 0.5 m (red) from the edge of the bumper.

## ▶ Wide rear view

**A** Distance guide line

Shows distance behind the vehicle.

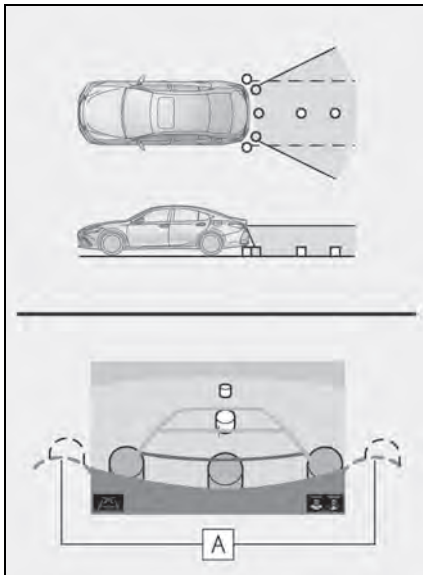
- Displays points approximately 0.5 m (red) from the edge of the bumper.

## Lexus parking assist monitor precautions

### Area displayed on screen

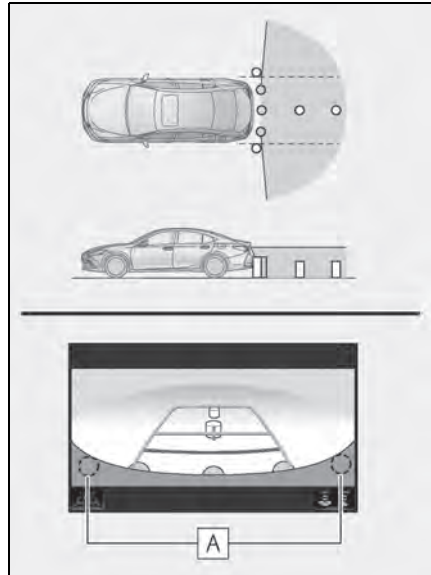
The parking assist monitor displays an image of the view from the bumper of the rear area of the vehicle.

#### ► Rear view



#### **A** Corners of bumper

- The area around both corners of the bumper will not be displayed.
- Wide rear view

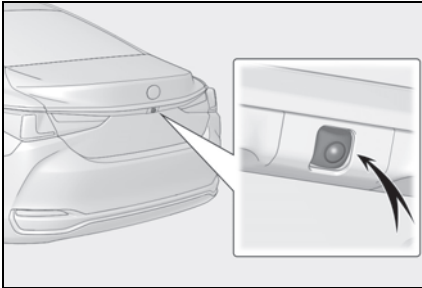


#### **A** Corners of bumper

- The area around both corners of the bumper will not be displayed.
- The image adjustment procedure for the parking assist monitor screen is the same as the procedure for adjusting the screen display. (→P.60)
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

## The camera

The camera for the parking assist monitor is located as shown in the illustration.



### ■ Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

### ⚠ NOTICE

- The parking assist monitor may not operate properly in the following cases.
  - If the back of the vehicle is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Lexus dealer as soon as possible.

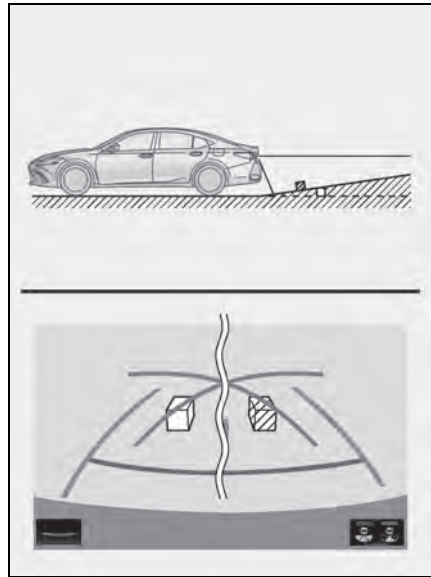
### Differences between the screen and the actual road

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.

- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

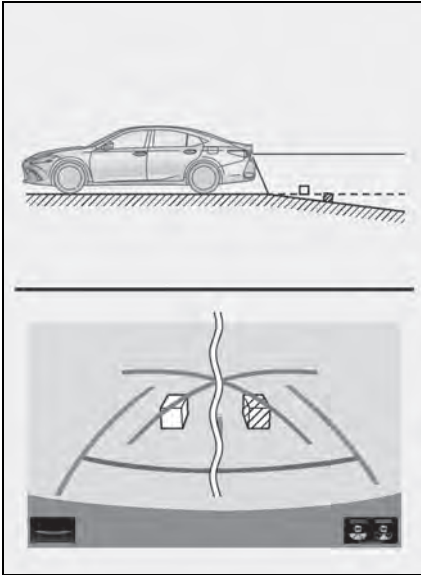
■ **When the ground behind the vehicle slopes up sharply**

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



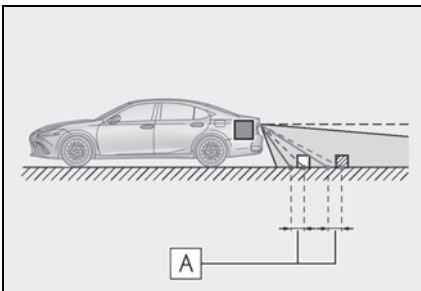
■ **When the ground behind the vehicle slopes down sharply**

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



### ■ When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



**A** A margin of error

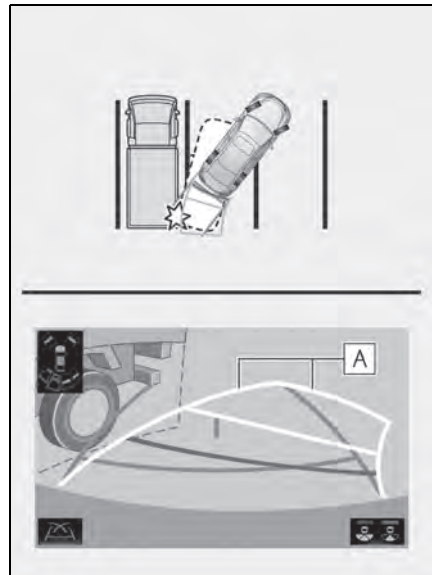
### When approaching three-dimensional objects

The estimated course lines target flat

surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

### ■ Estimated course lines

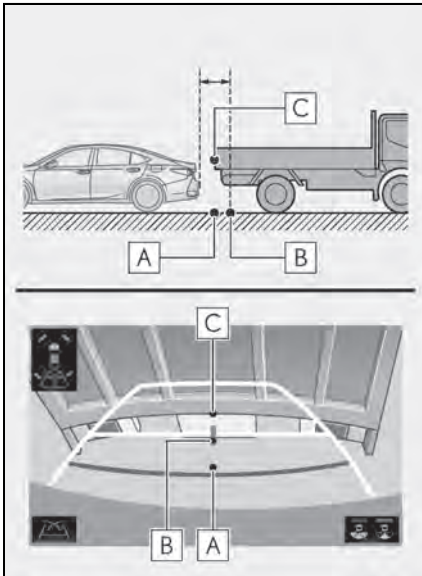
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.



**A** Estimated course lines

■ **Distance guide lines**

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.




## Things you should know

### If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The image is difficult to see	<ul style="list-style-type: none"> <li>• The vehicle is in a dark area</li> <li>• The temperature around the lens is either high or low</li> <li>• The outside temperature is low</li> <li>• There are water droplets on the camera</li> <li>• It is raining or humid</li> <li>• Foreign matter (mud etc.) is adhering to the camera</li> <li>• Sunlight or headlights are shining directly into the camera</li> <li>• The vehicle is under fluorescent lights, sodium lights, mercury lights etc.</li> </ul>	<p>Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.)</p> <p>The procedure for adjusting the picture quality of the parking assist monitor is the same as the procedure for adjusting the screen display. (→P.60)</p>
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Lexus dealer.
	<ul style="list-style-type: none"> <li>• The vehicle is tilted (there is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.)</li> <li>• The vehicle is used on an incline.</li> </ul>	<p>If this happens due to these causes, it does not indicate a malfunction.</p> <p>Back up while visually checking the vehicle's surroundings.</p>
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Lexus dealer.
Guide lines are not displayed	The trunk is open.	<p>Close the trunk.</p> <p>If this does not resolve the symptom, have the vehicle inspected by your Lexus dealer.</p>
 is displayed	<ul style="list-style-type: none"> <li>• 12-volt battery has been reinstalled.</li> <li>• The steering wheel has been moved while the 12-volt battery was being reinstalled.</li> <li>• 12-volt battery power is low.</li> <li>• The steering sensor has been reinstalled.</li> <li>• There is a malfunction in the signals being output by the steering sensor.</li> </ul>	<p>Stop the vehicle, and turn the steering wheel as far as it will go to the left and right.</p> <p>If this does not resolve the symptom, have the vehicle inspected by your Lexus dealer.</p>

## Panoramic view monitor\*

\*: If equipped

**Panoramic view monitor assists the driver in viewing the surroundings, when operating at low speeds, by combining the front, side and rear cameras and displaying a complete vehicle overhead image on the screen.**

**When you press the camera switch or shift the shift lever to the “R” position while the power switch is in ON mode, the panoramic view monitor operates.**

**The monitor displays various views of the position and surroundings of the vehicle.**

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

## Driving precautions

The panoramic view monitor is a supplemental device intended to assist the driver when checking around the vehicle. When using, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle or possibly cause an accident.

Pay attention to the following precautions when using the panoramic view monitor.

## WARNING

- Never depend on the panoramic view monitor entirely. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution just as you would when driving any other vehicle.
- Always make sure to check all around the vehicle with your own eyes when driving.
- Never drive while looking only at the screen as the image on the screen is different from actual conditions. If you are driving while looking only at the screen, you may hit a person or an object, resulting in an accident. When driving, be sure to check the vehicle's surroundings with your own eyes and the vehicle's mirrors.
- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- Do not use the panoramic view monitor system in the following cases:
  - On icy or slick road surfaces, or in snow
  - When using tyre chains or emergency tyres
  - When the front door or the trunk is not closed completely
  - On roads that are not flat or straight, such as curves or slopes
  - If the suspension has been modified or tyres of a size other than specified are installed
  - When any aftermarket parts have been installed on the bumper area which is displayed by the camera

**WARNING**

- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tyre sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.222)

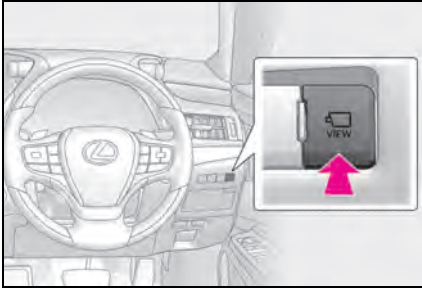
**NOTICE**

- In panoramic view/moving view/see-through view/Side Clearance View/Cornering View, the system combines images taken from the front, back, left and right side cameras into a single image. There are limits to the range and content that can be displayed. Familiarize yourself with the characteristics of the panoramic view monitor system before using it.
- Image clarity may decline at the four corners of the panoramic view/moving view/see-through view/Side Clearance View/Cornering View. However, this is not a malfunction, as these are the regions along the border of each camera image where the images are combined.
- Depending on lighting conditions near each of the cameras, bright and dark patches may appear on the panoramic view/moving view/see-through view/Side Clearance View/Cornering View.

- The panoramic view/moving view/see-through view/Side Clearance View/Cornering View display does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle. Accordingly, there are regions not displayed in panoramic view/moving view/see-through view/Side Clearance View/Cornering View.
- Three-dimensional objects displayed in wide front view, rear view or side view may not be displayed in panoramic view/moving view/see-through view/Side Clearance View/Cornering View.
- People and other three-dimensional obstacles may appear differently when displayed on the panoramic view monitor. (These differences include, among others, cases in which displayed objects appear to have fallen over, disappear near image processing areas, appear from image processing areas, or when the actual distance to an object differs from the displayed position.)
- When the trunk, which is equipped with the back camera, or front doors, which are equipped with door mirrors that have built-in side cameras, are open, images will not be displayed properly on the panoramic view monitor.
- The vehicle icon displayed in panoramic view/moving view/see-through view/Side Clearance View/Cornering View is a computer generated image. Accordingly, properties such as the colour, shape and size will differ from the actual vehicle. For this reason, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.

### Camera switch

The camera switch is located as shown in the illustration.



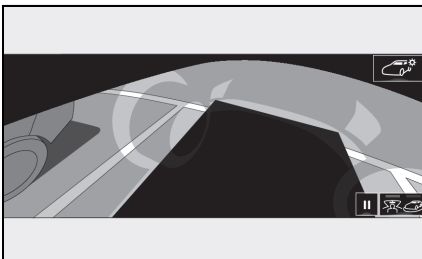
### Display

#### Checking around the vehicle

▶ Moving view

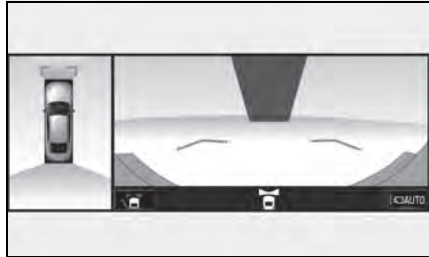


▶ See-through view



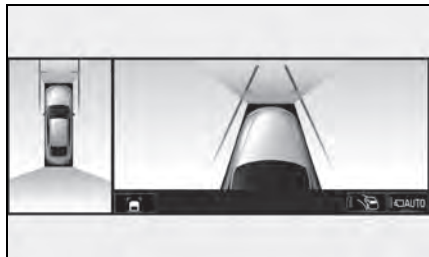
#### Checking the front and around the vehicle

▶ Wide front view & panoramic view



#### Checking the sides and around the vehicle

▶ Side Clearance View & panoramic view

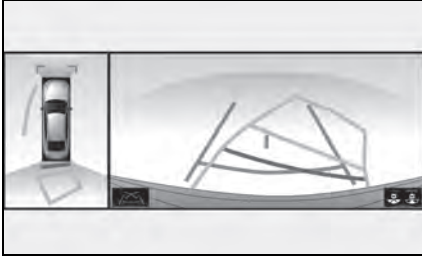


▶ Cornering View & panoramic view



### Checking the rear and around the vehicle

- ▶ Rear view & panoramic view



- ▶ Wide rear view & panoramic view



### When folding the outside rear view mirrors

- ▶ Wide front view & side views



- ▶ Rear view & side views



- ▶ Wide rear view & side views

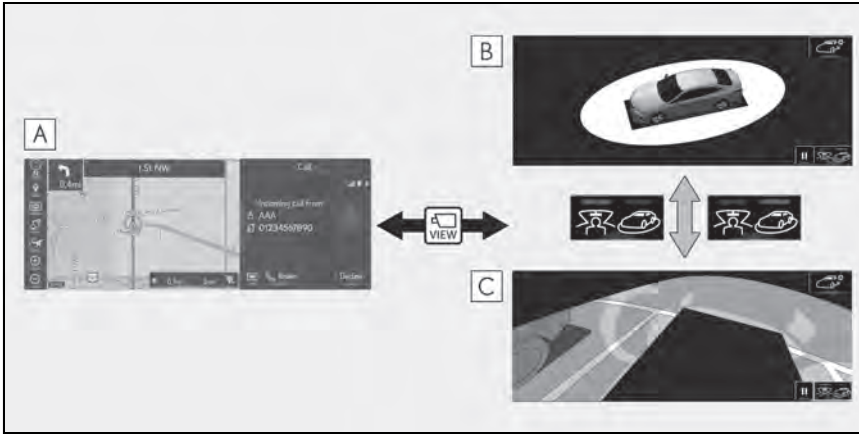


### How to switch the display

When you press the camera switch or shift the shift lever to the "R" position while the power switch is in ON mode, the panoramic view monitor operates.

The monitor displays various views of the position of the vehicle. (The following is an example)

When the shift lever is in the "P" position

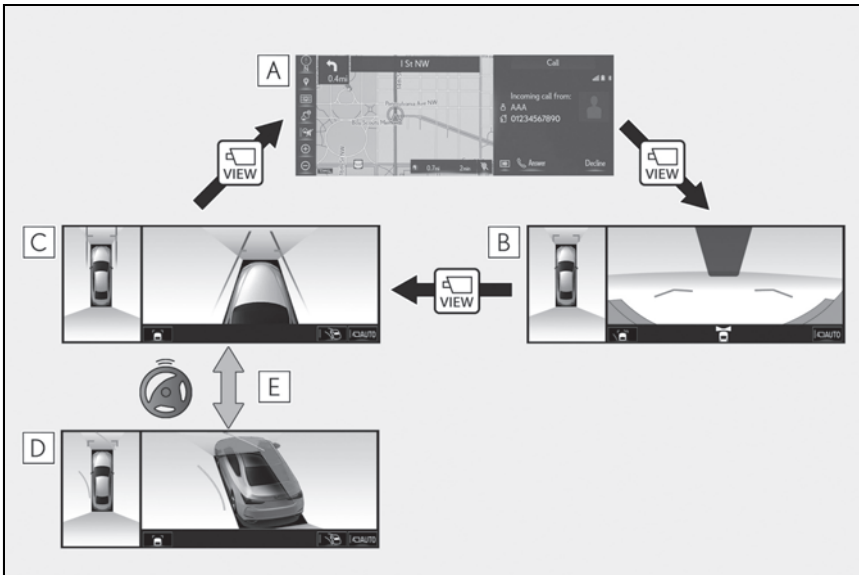


**A** Map screen, audio screen, etc.

**B** Moving view

**C** See-through view

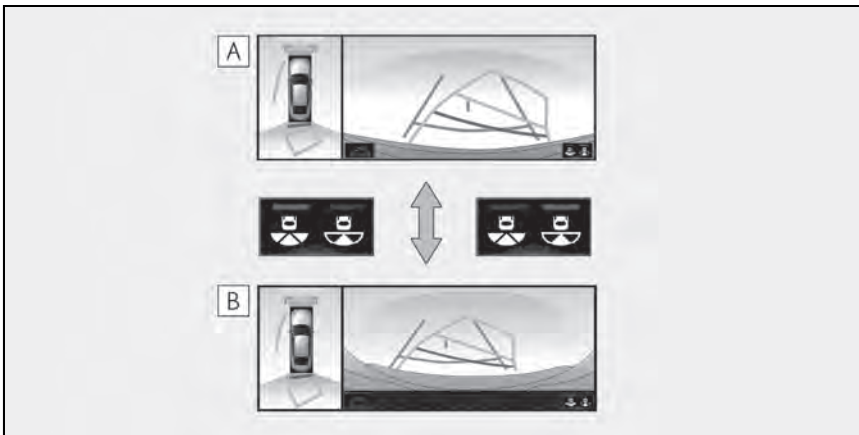
When the shift lever is in the "D" or "N" position



**A** Map screen, audio screen, etc.

- B** Wide front view & panoramic view
- C** Side Clearance View & panoramic view
- D** Cornering View & panoramic view
- E** When the steering wheel is turned by 180° or more from the centre (straight-line) position

**When the shift lever is in the “R” position**



- A** Rear view & panoramic view
- B** Wide rear view & panoramic view

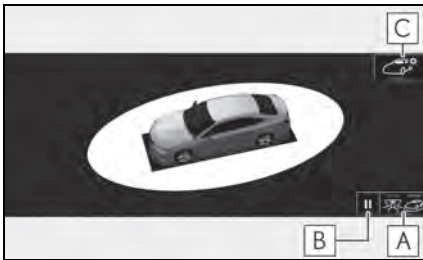
## Checking around the vehicle

The moving view screen and the see-through view screen provide support when checking the areas of around the vehicle while parking. These screens display an image of the vicinity of the vehicle combined from the 4 cameras. The screen will display a 360° view around the vehicle from either inside the vehicle or from a birds-eye view at an angle.

To display the moving view/see-through view screen, press the camera switch when the shift lever is in the "P" position and the Lexus parking assist-sensor is enabled.

## Screen display

### ▶ Moving view




#### **A** Display mode switching button

Select to change the display mode between the moving view and the see-through view.

#### **B** Rotation pause switch

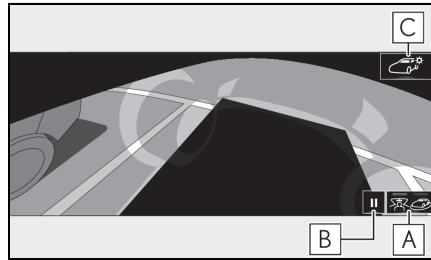
Select to pause the rotation of the screen.

To resume rotation, select .

#### **C** Body colour setting switch

Select to display the body colour setting screen and change the colour of the vehicle displayed on the panoramic view monitor. (→P.217)

### ▶ See-through view




#### **A** Display mode switching button

Select to change the display mode between the moving view and the see-through view.

#### **B** Rotation pause switch

Select to pause the rotation of the screen.

To resume rotation, select .

#### **C** Body colour setting switch

Select to display the body colour setting screen and change the colour of the vehicle displayed on the panoramic view monitor. (→P.217)

- Pressing the camera switch again changes the screen back to the previously displayed screen, such as the navigation screen.

## Checking the front and around the vehicle

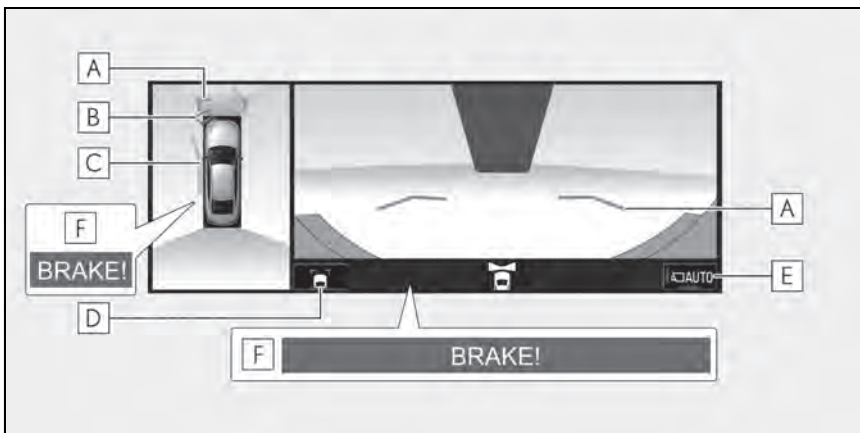
The wide front view & panoramic view screen provides support when checking the areas in front of the vehicle and around the vehicle when taking-off at T-intersections or other intersections during poor visibility.

To display the screen, press the camera switch when the shift lever is in the “N” or “D” position with the vehicle moving approximately 20 km/h or less.

This screen will be displayed if the Lexus parking assist-sensor detects an object in front of your vehicle (Lexus parking assist-sensor linked display).

### Screen display

- ▶ Wide front view & panoramic view



#### **A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

#### **B** Lexus parking assist-sensor

When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

#### **C** Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the centre (straight-line) position.

#### **D** Guide line switching button

Select to change the guide line mode between the distance guide line mode and the estimated course line mode. (→P.201)

### **E** Automatic display button

Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.202)

### **F** Parking Support Brake\*

When the system determines that the possibility of a collision with detected target objects is high, a warning message is displayed.

\*: If equipped

- Pressing the camera switch changes the screen to the Side Clearance View & panoramic view screen or previously displayed screen, such as the navigation screen.
- For details about the Lexus parking assist-sensor and Parking Support Brake function, refer to the "Owner's Manual".
- The display position of the Lexus parking assist-sensor and the position of target object displayed in the camera image do not match.

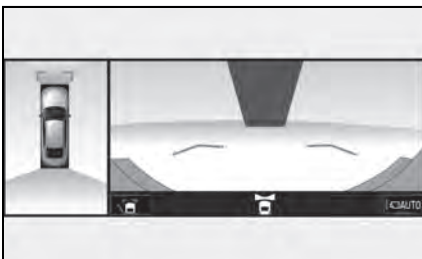
## **! WARNING**

- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the Lexus parking assist-sensor display is displayed over the camera view, it may be difficult to see the Lexus parking assist-sensor display depending on the colour and brightness of the surrounding area.

### **Switching the guide line mode**

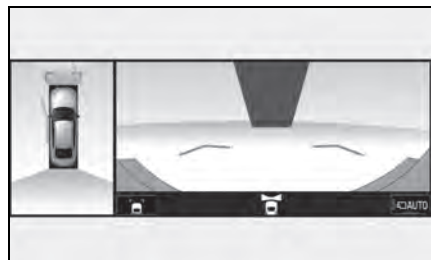
Each time the guide line switching button is selected, the mode will change as follows:

- ▶ Distance guide line



- Only the distance guide lines are displayed.

- ▶ Estimated course line



- Estimated course lines will be added to the distance guide lines.

### Automatic display mode

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 10km/h or less.

## Checking the sides of the vehicle

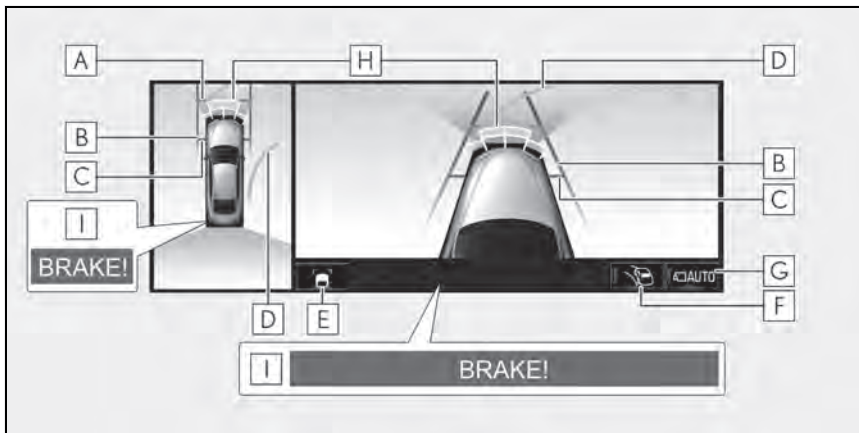
The Side Clearance View & panoramic view screen/Cornering View & panoramic view screen provide support to check the areas around the sides of the vehicle when driving on a narrow road.

To display the Side Clearance View & panoramic view screen, press the camera switch repeatedly when the shift lever is in the "N" or "D" position with the vehicle moving approximately 20 km/h or less.

The Cornering View & panoramic view screen will be displayed when the steering wheel is turned by 180° or more from the centre (straight-line) position when automatic display mode of the Cornering View display is enabled. When the turning angle of the steering wheel becomes 45° or less from the centre position, the screen will return to the Side Clearance View & panoramic view screen.

## Screen display

- ▶ Side Clearance View & panoramic view



### **A** Distance guide lines

Show distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

### **B** Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

### **C** Front tyre guide lines

Shows guide lines of where the front tyre touches the ground.

**D** Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the centre (straight-line) position.

**E** Guide line switching button

Select to change the guide line mode between the distance guide line mode and the estimated course line mode. (→P.201)

**F** Automatic display button of Cornering View

Select to turn automatic display mode of Cornering View on/off. The indicator on the button illuminates during automatic display mode of Cornering View. (→P.206)

**G** Automatic display button

Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.205)

**H** Lexus parking assist-sensor

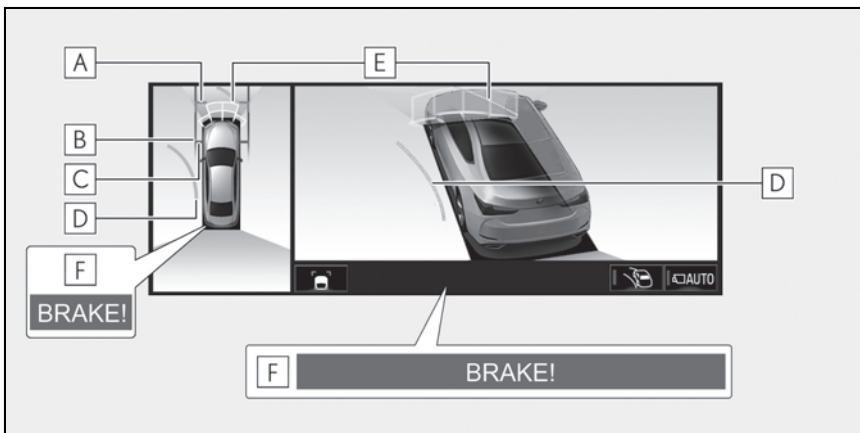
When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

**I** Parking Support Brake<sup>\*</sup>

When the system determines that the possibility of a collision with detected target objects is high, a warning message is displayed.

\*: If equipped

► Cornering View & panoramic view



**A** Distance guide lines

Show distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

#### **B** Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

#### **C** Front tyre guide lines

Shows guide lines of where the front tyre touches the ground.

#### **D** Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the centre (straight-line) position.

#### **E** Lexus parking assist-sensor

When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

#### **F** Parking Support Brake<sup>\*</sup>

When the system determines that the possibility of a collision with detected target objects is high, a warning message is displayed.

\*: If equipped

- 
- Pressing the camera switch changes the screen to the wide front view & panoramic view screen or previously displayed screen, such as the navigation screen.
  - For details about the Lexus parking assist-sensor and Parking Support Brake function, refer to the "Owner's Manual".
  - The display position of the Lexus parking assist-sensor and the position of target objects displayed in the camera image do not match.



#### **WARNING**

- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the Lexus parking assist-sensor display is displayed over the camera view, it may be difficult to see the Lexus parking assist-sensor display depending on the colour and brightness of the surrounding area.

#### **Automatic display mode**

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automati-

cally in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:


- When the shift lever is shifted to "N"

or “D” position.

- When vehicle speed is reduced to approximately 10km/h or less.

### Automatic display mode of Cornering View

When automatic display mode of the Cornering View display is enabled, the screen will change automatically between the Side Clearance View and Cornering View depending on the turning angle of the steering wheel.

Each time  is selected, automatic display mode of the Cornering View display is enabled/disabled.

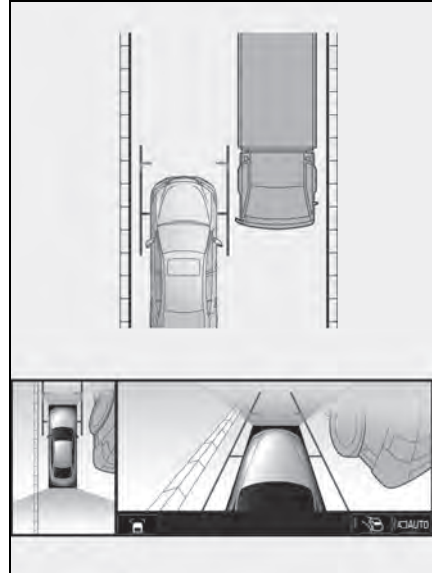
In automatic display mode of Cornering View, the monitor will automatically display Cornering View images in the following situations:

- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 10 km/h or less.
- When the steering wheel is turned by 180° or more from the centre (straight-line) position.

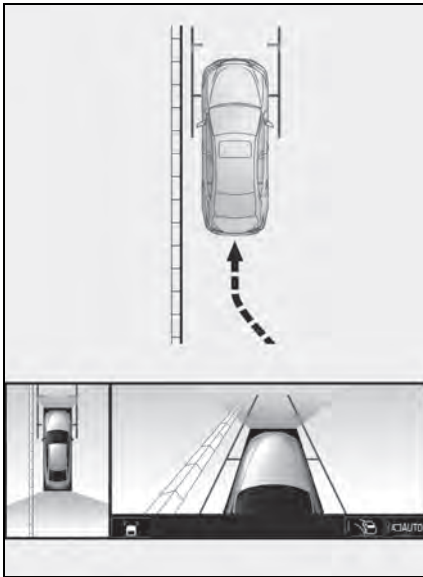
Cornering View images will disappear when the turning angle of the steering wheel becomes 45° or less from the centre (straight-line) position.

### Using the vehicle width guide line

- ▶ Side Clearance View & panoramic view



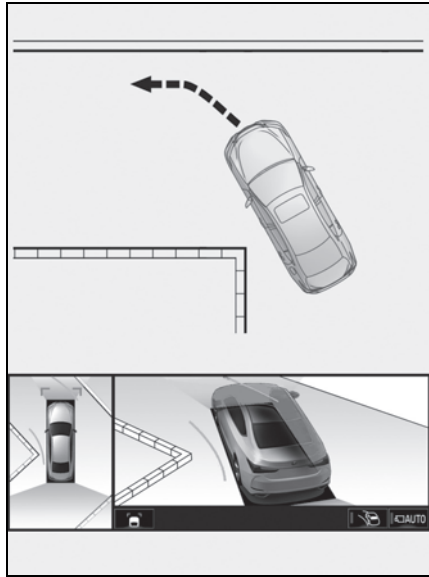
- Check the positions and distance between the vehicle width guide line and a target object such as the obstacle or curb of the road.



- Pull over to the curb as shown in the illustration above, taking care not to let the vehicle width guide line overlap the target object.
- Ensure that the vehicle width guide line is parallel to the target object.

### Using the estimated course line

- ▶ Cornering View & panoramic view



- Check the positions and distance between the inner estimated course line and a target object such as the obstacle or curb of the road.
- Take care not to let the estimated course line overlap the target object.

## Checking the rear and around the vehicle

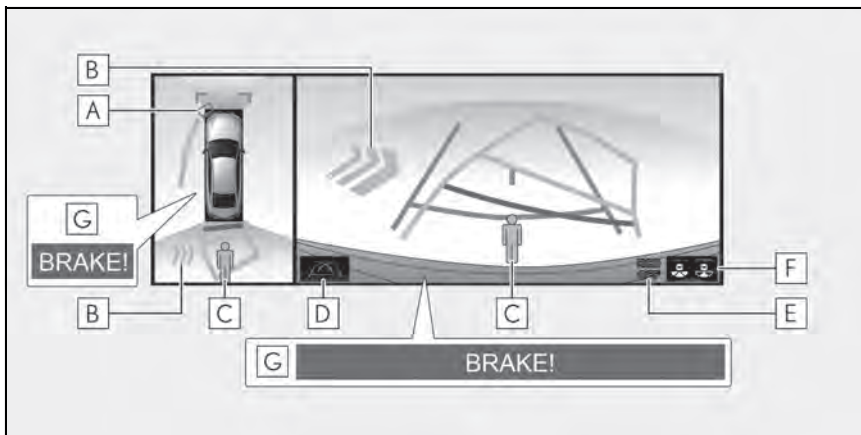
The rear view & panoramic view/wide rear view & panoramic view screen provide support when checking the areas of behind the vehicle and around the vehicle while backing up, for example while parking.

The screens will be displayed when the shift lever is in the "R" position.

### Screen display

Each time the display mode switching button is selected, the mode will change as follows:

- ▶ Rear view & panoramic view



- A** Lexus parking assist-sensor

When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

- B** Rear Cross Traffic Alert \*

When a sensor detects a vehicle approaching from the rear, the direction of the vehicle approaching from the rear is displayed and the buzzer sounds.

- C** Rear Camera Detection \*

Displayed automatically when a pedestrian is detected.

- D** Guide line switching button

Select to switch the guide line mode. (→P.210)

- E** Rear camera detection function off indicator \*

Displayed when the rear camera detection function is disabled, such as when it is malfunctioning.

#### **F** Display mode switching button

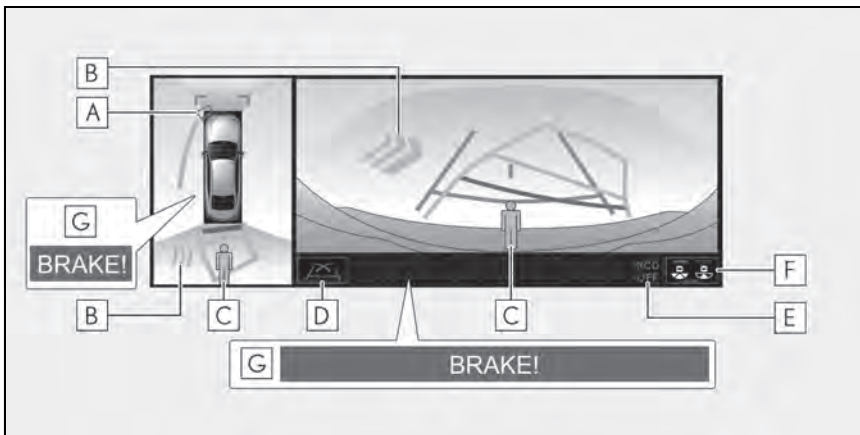
Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

#### **G** Parking Support Brake\*

When the system determines that the possibility of a collision with detected target objects is high, a warning message is displayed.

\*: If equipped

#### ▶ Wide rear view & panoramic view



#### **A** Lexus parking assist-sensor

When a sensor detects a stationary object, the direction of and the approximate distance to the stationary object are displayed and the buzzer sounds.

#### **B** Rear Cross Traffic Alert\*

When a sensor detects a vehicle approaching from the rear, the direction of the vehicle approaching from the rear is displayed and the buzzer sounds.

#### **C** Rear Camera Detection\*

Displayed automatically when a pedestrian is detected.

#### **D** Guide line switching button

Select to switch the guide line mode. (→P.210)

#### **E** Rear camera detection function off indicator\*

Displayed when the rear camera detection function is disabled, such as when it is malfunctioning.

**F** Display mode switching button

Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

**G** Parking Support Brake<sup>\*</sup>

When the system determines that the possibility of a collision with detected target objects is high, a warning message is displayed.

\*: If equipped

- The monitor is canceled when the shift lever is shifted into any position other than the “R” position.
- For details about the Lexus parking assist-sensor, Rear Cross Traffic Alert function, Rear Camera Detection function and Parking Support Brake function, refer to the “Owner’s Manual”.
- The display position of the Lexus parking assist-sensor and the position of target objects displayed in the camera image do not match.

**WARNING**

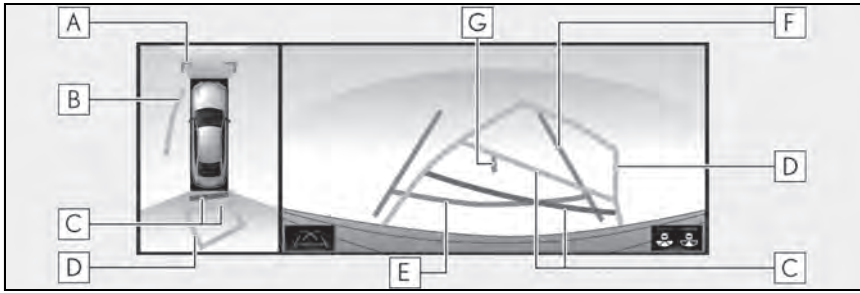
- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the Lexus parking assist-sensor display and Rear Cross Traffic Alert display are displayed over the camera view, it may be difficult to see the Lexus parking assist-sensor display and Rear Cross Traffic Alert display depending on the colour and brightness of the surrounding area.

**Guide lines displayed on the screen**

Each time the guide line switching button is selected, the mode will change as follows:

- ▶ Estimated course line

Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



**A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

**B** Estimated course line

Shows a side estimated course when the steering wheel is turned.

**C** Distance guide lines

Shows the distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 0.5 m (red) and approximately 1 m (yellow) from the centre of the edge of the bumper.

**D** Estimated course line

Shows a rear estimated course when the steering wheel is turned.

**E** Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 0.5 m (red<sup>\*</sup>) from the edge of the bumper.

**F** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

**G** Vehicle centre guide line

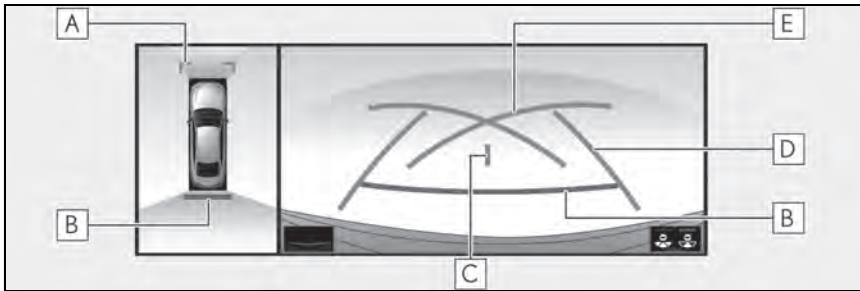
Indicates the estimated vehicle centre on the ground.

\*: In estimated course line mode, the line will turn blue.

▶ Parking assist guide line

The steering wheel return points (parking assist guide lines) are displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.



**A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

**B** Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 0.5 m (red<sup>\*</sup>) from the edge of the bumper.

**C** Vehicle centre guide line

Indicates the estimated vehicle centre on the ground.

**D** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

**E** Parking assist guide lines

Shows the path of the smallest turn possible behind the vehicle.

\*: In estimated course line mode, the line will turn blue.

▶ Distance guide line

Only distance guide line is displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.



**A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 1 m from the edge of the bumper.

### **B** Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 0.5 m (red\*) from the edge of the bumper.

\*: In estimated course line mode, the line will turn blue.

- The display position of the Lexus parking assist-sensor and the position of target objects displayed in the camera image do not match.

### **!** WARNING

- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Lexus dealer.
- Do not use the system if the display is incorrect due to an uneven (hilly) road or a non-straight (curvy) road.

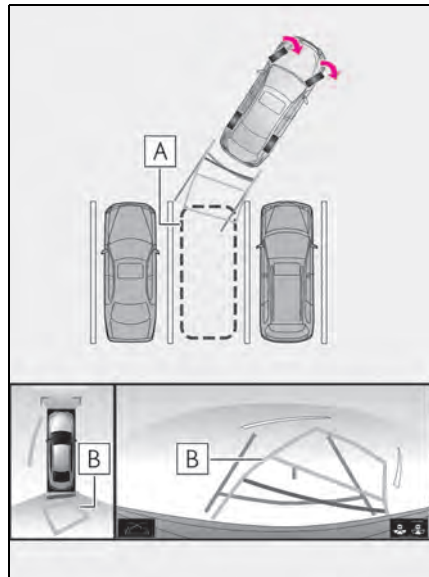
## Parking

### Using the estimated course line

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

- 1 Shift the shift lever to the "R" position.
- 2 Turn the steering wheel so that the estimated course lines are within

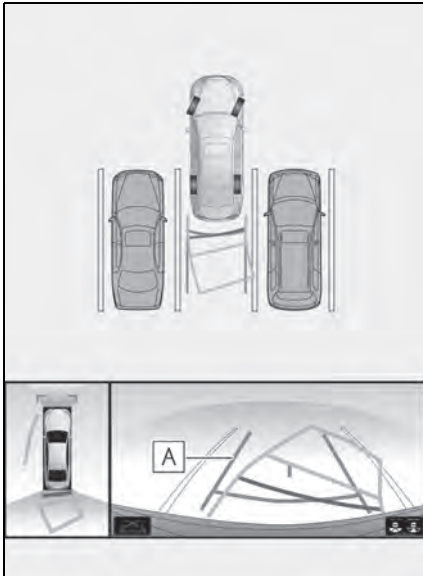
the parking space, and back up slowly.



**A** Parking space

**B** Estimated course lines

- 3 When the rear position of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are within the left and right dividing lines of the parking space.

**A** Vehicle width guide line

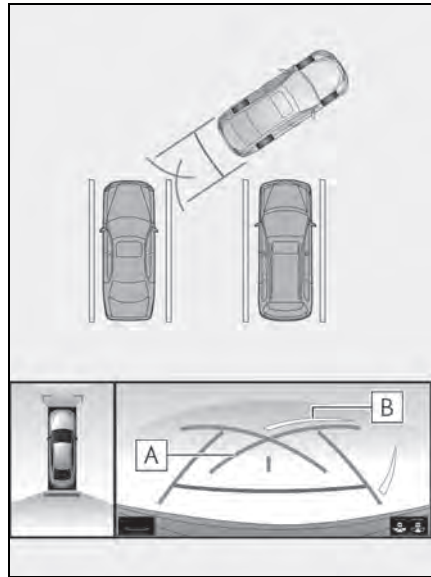
- 4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place, and finish parking.

**Using parking assist guide line**

When parking in a space which is in the reverse direction to the space

described in the procedure below, the steering directions will be reversed.

- 1 Shift the shift lever to the "R" position.
- 2 Back up until the parking assist guide line meets the edge of the dividing line of the parking space.

**A** Parking assist guide line**B** Parking space dividing line

- 3 Turn the steering wheel all the way to the right, and back up slowly.
- 4 Once the vehicle is parallel with the parking space, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place, and finish parking.

## When folding the outside rear view mirrors

Even when outside rear view mirrors are stored, the monitor can display various images of the vicinity of the vehicle and assist the operation in the confirming safe conditions in a narrow places, parking, etc.

### Screen display

- ▶ Wide front view & side views



- ▶ Rear view & side views



- ▶ Wide rear view & side views



- For details about the front view and the rear view: →P.200, 208
- When the main switch is pressed while the side view and wide front view are displayed, the navigation screen or information setting screen is displayed.

### ! WARNING

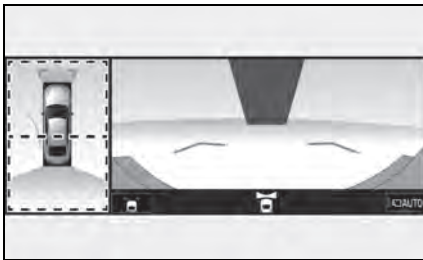
- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

## Magnifying function

If displayed objects are too small to see clearly when the panoramic view is displayed, the area around the front side or rear side of the vehicle can be magnified.

## Magnifying the display

- 1 Turn the Lexus parking assist-sensor on.
- 2 Select the area on the panoramic view display you wish to magnify.




- Selecting one of the 2 areas within the dotted lines will magnify that area. (Dotted lines are not displayed on the actual display.)
  - To return to the normal view, select the panoramic view display again.
- 
- The magnifying function is enabled when all of the following conditions are met:
    - The wide front view & panoramic view/Side Clearance View & panoramic view/rear view & panoramic view/wide rear view & panoramic view is displayed.
    - The vehicle speed is below approximately 12 km/h.
    - The Lexus parking assist-sensor is available.
  - In the following situations, the magnified display will be canceled automatically:

- The vehicle speed is approximately 12 km/h or higher.
- The Lexus parking assist-sensor is unavailable.
- When the display is magnified, the guide lines will not be displayed.

## Customizing the panoramic view monitor

The colour of the vehicle displayed on the panoramic view monitor can be changed.

### Changing the body colour displayed in the panoramic view monitor

- 1 Display the moving view/see-through view screen. (→P.199)
- 2 Select .
- 3 Select the desired colour.



**A** Displays the next page

## Panoramic view monitor precautions

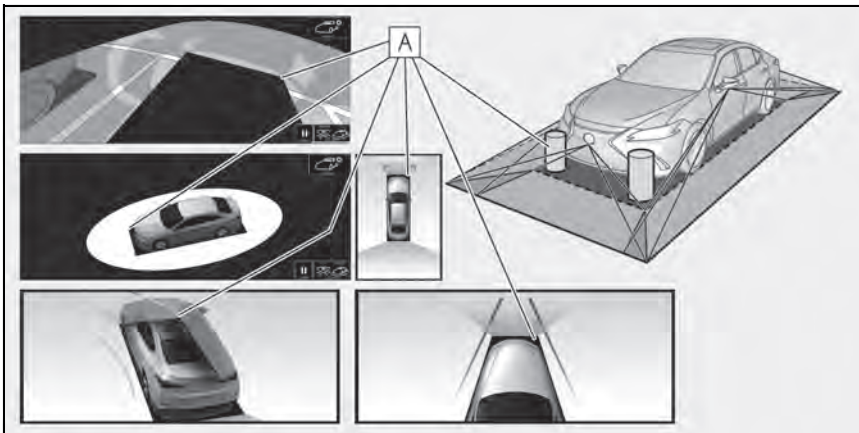
### Area displayed on screen

### Area of image of panoramic view

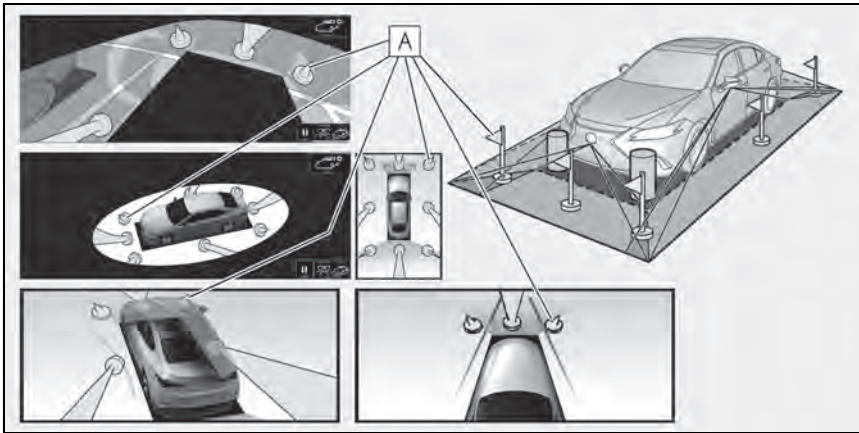
The panoramic view monitor displays an image of the surrounding view of the vehicle.

Since the panoramic view processes and displays images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if there is room between the bumpers of the vehicles and it seems not likely to collide in the image, in reality, the both vehicles are on a collision course.

Check the safety of the surroundings directly.

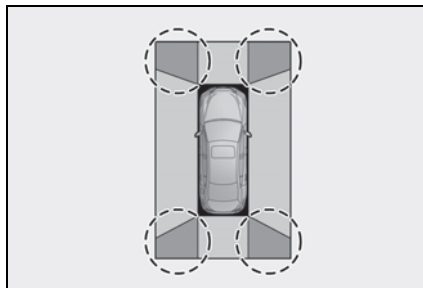


**A** Objects located in the shaded areas will not be displayed on the screen.



**A** Parts of objects which extend above a certain height cannot be displayed on the screen.

- As the images obtained from four cameras are processed and displayed on the standard of a flat road surface; the panoramic view/moving view/see-through view/Side Clearance View/Cornering View may be displayed as follows.
- Objects may look collapsed; thinner or bigger than usual.
- An object with a higher position than the road surface may look farther away than it actually is or may not appear at all.
- Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera.
- The displayed image may be shifted by inclination of the vehicle body, change in vehicle height, etc., depending on the number of passengers, amount of luggage, fuel quantity, etc.
- If the front doors or trunk are not completely closed; neither the image nor the guide lines are displayed.
- The position relations of the vehicle icon and the road surface or obstacle may differ from the actual positions.
- The black areas of the vicinity of the vehicle icon are areas that are not captured by the camera.
- Images like the following are combined, thus some areas may be difficult to view.

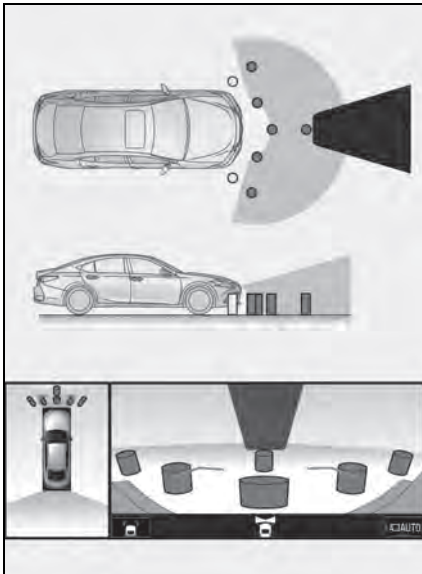


**! WARNING**

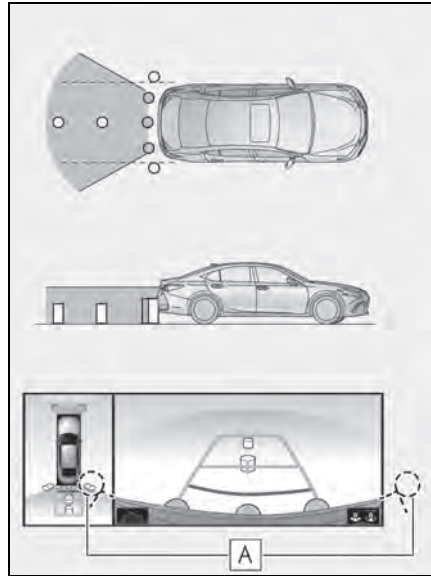
- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

**Area of the image captured by the camera**

▶ Wide front view

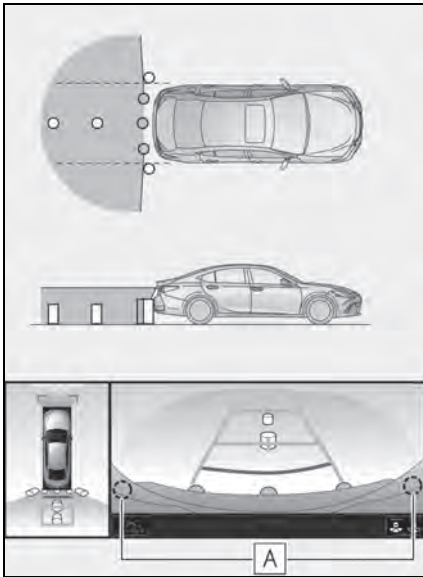


▶ Rear view



- A** The area around both corners of the bumper will not be displayed.

## ▶ Wide rear view



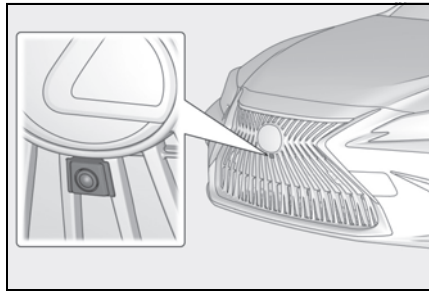
**A** The area around both corners of the bumper will not be displayed.

- Black masking is done for distance detection differences to the front of the vehicle.
- The area covered by the camera is limited. Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.
- The area displayed on the screen may vary depending on vehicle orientation or road conditions.
- The camera uses a special lens. The distance in the image displayed on the screen will differ from the actual distance.

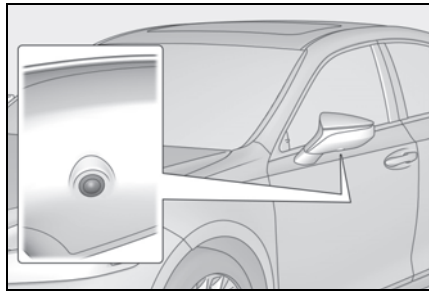
### The camera

The cameras for the panoramic view monitor are located as shown in the illustrations.

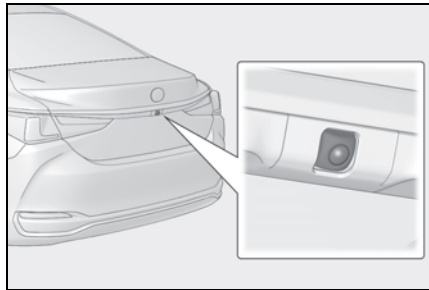
## ▶ Front camera



## ▶ Side cameras



## ▶ Rear camera



### Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.



## NOTICE

- The panoramic view monitor may not operate properly in the following cases.
  - If the camera is hit, the position and mounting angle of the camera may change.
  - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
  - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
  - Do not allow an organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
  - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
  - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impacts as this could cause a malfunction. If this happens, have the vehicle inspected by your Lexus dealer as soon as possible.

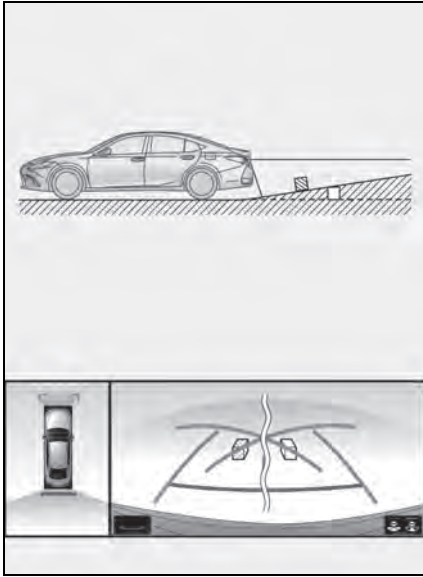
### Difference between the screen and the actual road

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.

- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

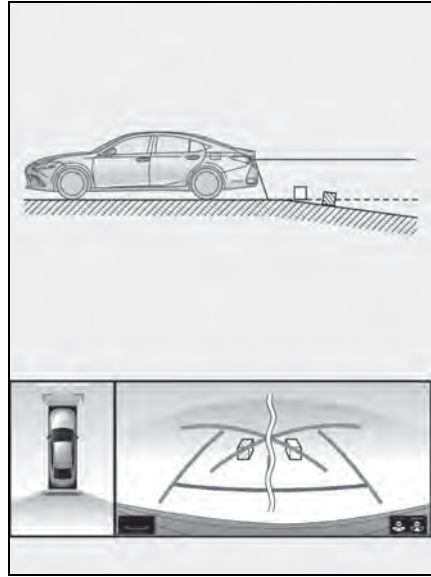
#### When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



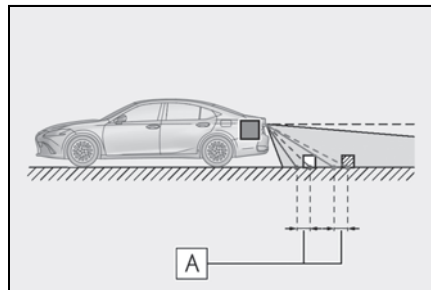
### When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



### When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



**A** A margin of error

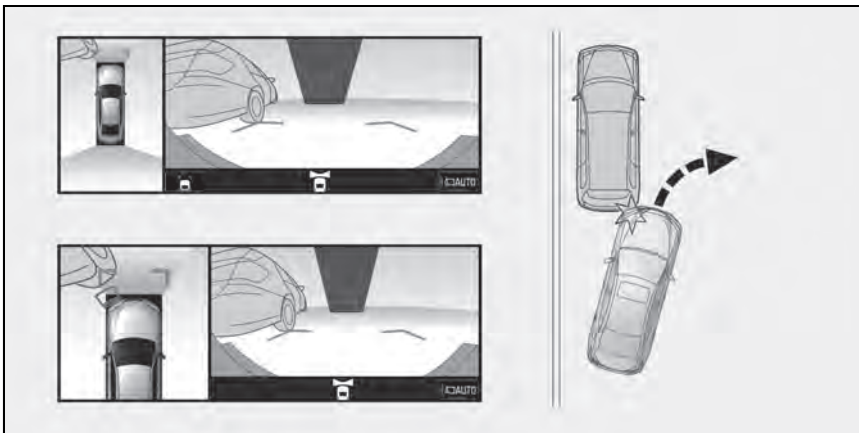
### Distortion of three-dimensional objects on the screen

When there are three-dimensional objects (such as vehicle bumpers, etc.) nearby

in positions higher than the surface of the road, take extra care when using the following.

### Panoramic view display (including magnified display), Side Clearance View and Cornering View display

Since the panoramic view, Side Clearance View and Cornering View process and display images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. For example, even though it appears that there is space between the bumpers of the two vehicles in the illustration below and they are not likely to collide, in reality, a collision is about to occur.



#### **⚠ WARNING**

- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

### When approaching three-dimensional objects

The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

**⚠ WARNING**

- When a sensor indicator on the Lexus parking assist-sensor display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

**Estimated course lines**

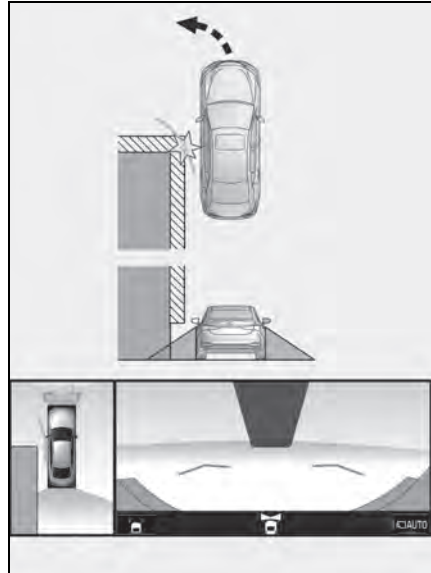
Since the estimated course line is displayed for a flat road surface, it cannot depict the position of three-dimensional objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if the bumper of the vehicle is on the outside of the estimated course line in the image, in reality, the vehicles are on a collision course.



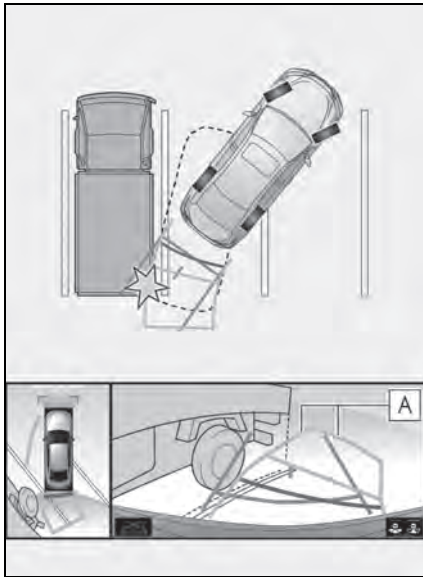
**A** Estimated course line

Three-dimensional objects (such as the overhang of a wall or loading platform of a truck) in high positions may not be

projected on the screen. Check the safety of the surroundings directly.



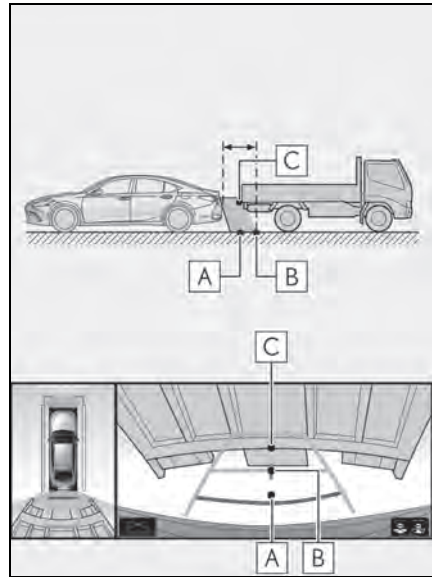
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.



**A** Estimated course lines

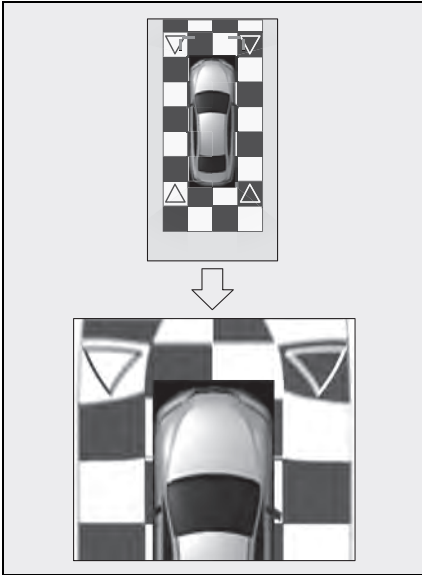
### Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.



### Magnifying function

When the panoramic view is magnified, walls and lines on the road on the magnified panoramic view display may look more distorted than those on the normal panoramic view display.




## Things you should know

### If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The image is difficult to see	<ul style="list-style-type: none"> <li>• The vehicle is in a dark area</li> <li>• The temperature around the lens is either high or low</li> <li>• The outside temperature is low</li> <li>• There are water droplets on the camera</li> <li>• It is raining or humid</li> <li>• Foreign matter (mud, etc.) is adhering to the camera</li> <li>• Sunlight or headlights are shining directly into the camera</li> <li>• The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.</li> </ul>	<p>Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.)</p> <p>The procedure for adjusting the picture quality of the panoramic view monitor system is the same as the procedure for adjusting the screen display. (→P.60)</p>
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Lexus dealer.
	<ul style="list-style-type: none"> <li>• The vehicle is tilted. (There is a heavy load on the vehicle, tyre pressure is low due to a tyre puncture, etc.)</li> <li>• The vehicle is used on an incline.</li> </ul>	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Lexus dealer.
Guide lines are not displayed	The trunk is open.	Close the trunk. If this does not resolve the symptom, have the vehicle inspected by your Lexus dealer.
 is displayed	<ul style="list-style-type: none"> <li>• 12-volt battery has been reinstalled.</li> <li>• The steering wheel has been moved while the 12-volt battery was being reinstalled.</li> <li>• 12-volt battery power is low.</li> <li>• The steering sensor has been reinstalled.</li> <li>• There is a malfunction in the signals being output by the steering sensor.</li> </ul>	Have the vehicle inspected by your Lexus dealer.
The panoramic view display cannot be magnified	The Lexus parking assist-sensor may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the Lexus parking assist-sensor. (Refer to "Owner's Manual")
The See-through view/Moving view/Side Clearance View/Cornering View cannot be displayed		

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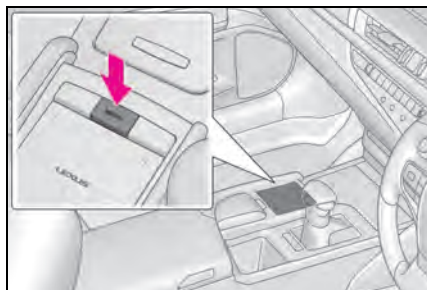
- 7-1. Phone operation (Hands-free system for cellular phones)**
- Quick reference..... **232**
  - Some basics..... **233**
  - Placing a call using the Bluetooth<sup>®</sup> hands-free system ..... **236**
  - Receiving a call using the Bluetooth<sup>®</sup> hands-free system ..... **239**
  - Talking on the Bluetooth<sup>®</sup> hands-free system..... **240**
  - Bluetooth<sup>®</sup> phone message function..... **243**
- 7-2. Setup**
- Phone settings ..... **247**
- 7-3. What to do if...**
- Troubleshooting ..... **256**

## Quick reference

### Phone screen operation

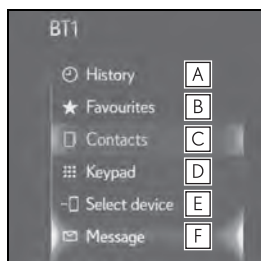
The phone screen can be reached by the following method:

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Phone".

### Phone sub menu screen



- A Select to display the "History" screen. (→P.237)
- B Select to display the "Favourites" screen. (→P.237)
- C Select to display the "Contacts" screen. (→P.237)
- D Select to display the "Keypad" screen. (→P.239)

- E Select to change device if there are more than 1 phone registered.
- F Select to display the "Message" screen. (→P.243)

### Bluetooth® hands-free system operation

The following functions can be used on phone operation:

- Registering/connecting a Bluetooth® device (→P.37)
- Placing a call using the Bluetooth® hands-free system (→P.236)
- Receiving a call using the Bluetooth® hands-free system (→P.239)
- Talking on the Bluetooth® hands-free system (→P.240)

### Message function

The following function can be used on message function:

- Using the Bluetooth® phone message function (→P.243)

### Setting up a phone

The following settings can be made in navigation system:

- Phone settings (→P.247)
- Bluetooth® settings (→P.41)

## Some basics

The hands-free system enables calls to be made and received without having to take your hands off the steering wheel.

This system supports Bluetooth®. Bluetooth® is a wireless data system that enables cellular phones to be used without being connected by a cable or placed in a cradle.

The operating procedure of the phone is explained here.

When an Apple CarPlay connection is established, phone functions will be performed by Apple CarPlay instead of the hands-free system.\*

\*: This function is not made available in some countries or areas.

- This system is not guaranteed to operate with all Bluetooth® devices.
- If your cellular phone does not support Bluetooth®, this system cannot function.
- In the following conditions, the system may not function:
  - The cellular phone is turned off.
  - The current position is outside the communication area.
  - The cellular phone is not connected.
  - The cellular phone has a low battery.
- When using the hands-free system or Bluetooth® audio and Wi-Fi® functions at the same time, the following problems may occur:
  - The Bluetooth® connection may be cut.
  - Noise may be heard on the Bluetooth® audio playback.
  - A noise may be heard during phone calls.

## ⚠ WARNING

- While driving, do not operate a cellular phone.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.


## ⚠ NOTICE

- Do not leave your cellular phone in the vehicle. The temperature inside may rise to a level that could damage the phone.


## Registering/Connecting a Bluetooth® phone

To use the hands-free system for cellular phones, it is necessary to register a cellular phone with the system.  
(→P.37)

### ■ Connecting a Bluetooth® device

- ▶ Registering an additional device
- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Phone”.
- 3 Select  “Select device” on the sub menu.
- 4 Select “Add device”.
- When another Bluetooth® device is connected, a confirmation screen will be displayed. To disconnect the Bluetooth® device, select “Yes”.
- 5 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.37)

### ▶ Selecting a registered device

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Phone”.
- 3 Select  “Select device” on the sub menu.
- 4 Select the desired device to be connected.
- 5 Check that a confirmation screen is displayed when the connection is complete.
- If an error message is displayed, follow the guidance on the screen to try again.

### ■ Bluetooth® phone condition display

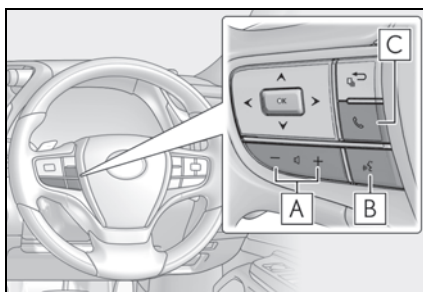
The condition of the Bluetooth® phone appears on the upper right side of the

screen. (→P.21)

## Using the phone switch/microphone

### ■ Steering switch

By pressing the phone switch, a call can be received or ended without taking your hands off the steering wheel.



#### A Volume control switch

- Press the “+” side to increase the volume.
- Press the “-” side to decrease the volume.

#### B Talk switch

- Press the talk switch to start the speech command system. (→P.172)
- To cancel voice recognition, press and hold the talk switch.

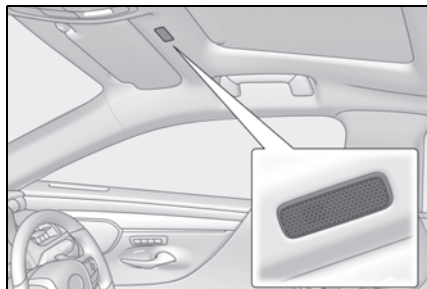
#### C TEL switch

- Start talking
- End talking
- End dialing
- Depending on the system, if the switch is pressed when an Apple CarPlay connection is established, the Apple CarPlay phone application will be displayed on the system screen.\*

\*: This function is not made available in some countries or areas.

## ■ Microphone

The microphone is used when talking on the phone.



- The other party's voice will be heard from the front speakers. The audio/visual system will be muted during phone calls or when hands-free speech commands are used.
- Talk alternately with the other party on the phone. If both parties speak at the same time, the other party may not hear what has been said. (This is not a malfunction.)
- Keep call volume down. Otherwise, the other party's voice may be audible outside the vehicle and voice echo may increase. When talking on the phone, speak clearly towards the microphone.
- The other party may not hear you clearly when:
  - Driving on an unpaved road. (Making excessive traffic noise.)
  - Driving at high speeds.
  - The roof or windows are open.
  - The air conditioning vents are pointed towards the microphone.
  - The sound of the air conditioning fan is loud.
  - There is a negative effect on sound quality due to the phone and/or network being used.

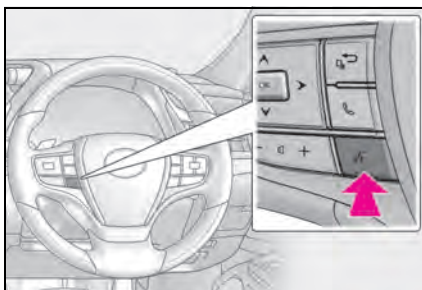


### NOTICE

- Do not touch and put a sharp object to the microphone. It may cause failure.

## Speech command system

Press this switch to operate the speech command system.



- The speech command system and its list of commands can be operated. (→P.172)

## About the contacts in the contact list

- The following data is stored for every registered phone. When another phone is connected, the following registered data cannot be read:
  - Contact data
  - Call history data
  - Favourites data
  - Image data
  - All phone settings
  - Message settings
- When a phone's registration is deleted, the above-mentioned data is also deleted.

### When selling or disposing of the vehicle

A lot of personal data is registered when the hands-free system is used. When selling or disposing of the vehicle, initialize the data. (→P.61)

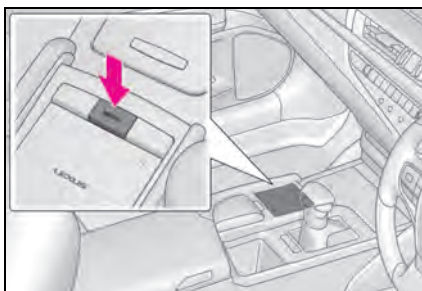
- The following data in the system can be initialized:
  - Contact data
  - Call history data
  - Favourites data
  - Image data
  - All phone settings
  - Message settings
- Once initialized, the data and settings will be erased. Pay much attention when initializing the data.

### Placing a call using the Bluetooth® hands-free system

After a Bluetooth® phone has been registered, a call can be made using the hands-free system. There are several methods by which a call can be made, as described below.

### Calling methods on the Bluetooth® phone

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Phone".
- 3 Select the desired method to call from.

#### ■ Calling methods from phone screen

- By call history (→P.237)
- By favourites\* (→P.237)
- By contacts\* (→P.237)
- By keypad\* (→P.239)
- By message (→P.243)


■ Also the following lists are available from each function's screen

- By POI call (→P.76)
- By speech command system (→P.235)

\*: The operation cannot be performed while driving.

### By call history

Up to 30 of the latest call history items (missed, incoming and outgoing) can be selected from the "History".

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select  "History" on the sub menu and select the desired contact.
- If the contact which is not registered on the contact list is selected, the name is displayed as "Unknown Contact". In this case, select the number to make a call properly.
- 4 Check that the dialing screen is displayed.

- The icons of call type are displayed.



Missed call




Incoming call



Outgoing call


- When making a call to the same number continuously, only the most recent call is listed in call history.
- When a phone number registered in the contact list is received, the name is dis-

played.

- Number-withheld calls are also memorized in the system.
- International phone calls may not be made depending on the type of Bluetooth® phone you have.
- The list should group together consecutive entries with the same phone number and same call type. For example, two calls from John's mobile would be displayed as follows: John (2)
- By pressing the  switch on the steering wheel, a call to the latest history item can be made.

### By favourites list


Calls can be made using registered contacts which can be selected from a contact list. (→P.237)

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select  "Favourites" on the sub menu and select the desired contact.
- 4 Select the desired number.
- 5 Check that the dialing screen is displayed.

### By contacts list

Calls can be made by using contact data which is transferred from a registered cellular phone. (→P.249)

Up to 5000 contacts (maximum of 4 phone numbers and e-mail addresses per contact) can be registered in the contact list.

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select  "Contacts" on the sub menu and select the desired contact.
- 4 Select the desired number.

"E-mail Addresses": Select to display all registered e-mail addresses for the contact.

- 5 Check that the dialing screen is displayed.

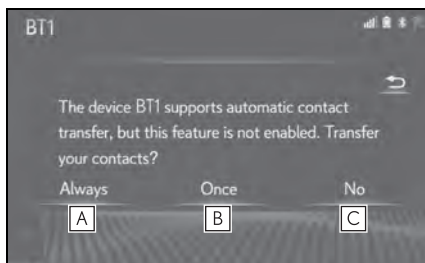
### When the contact list is empty

- For PBAP compatible Bluetooth<sup>®</sup> phones when "Automatic transfer" is set to on (→P.250)

- Contacts are transferred automatically.

- For PBAP compatible Bluetooth<sup>®</sup> phones when "Automatic transfer" is set to off (→P.250)

- 1 Select the desired item.



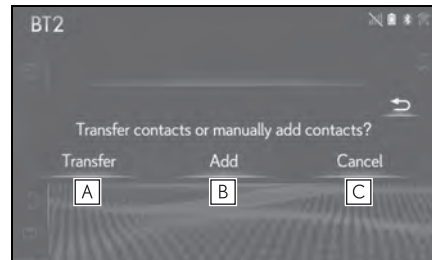
- A** Select to always transfer all the contacts from a connected cellular phone automatically.
- B** Select to transfer all the contacts

from a connected cellular phone only once.

- C** Select to cancel transferring.
- 2 Check that a confirmation screen is displayed when the operation is complete.

- For PBAP incompatible but OPP compatible Bluetooth<sup>®</sup> phones

- 1 Select the desired item.



- A** Select to transfer the contacts from the connected cellular phone. Transfer the contact data to the system using a Bluetooth<sup>®</sup> phone.

- B** Select to add a new contact manually. Follow the steps in "Registering a new contact to the contacts list" from step 2. (→P.252)




- C** Select to cancel transferring.

- If your cellular phone is neither PBAP nor OPP compatible, the contacts cannot be transferred using Bluetooth<sup>®</sup>. But the contacts can be transferred from USB device. (→P.251)

- Depending on the type of Bluetooth<sup>®</sup> phone:
  - It may be necessary to perform additional steps on the phone when transferring contact data.

- The registered image in the contact list may not transfer depending on the type of Bluetooth® phone connected.

### By keypad


- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select  "Keypad" on the sub menu and enter the phone number.
- 4 Select  or press the  switch on the steering wheel.
- 5 Check that the dialing screen is displayed.

- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

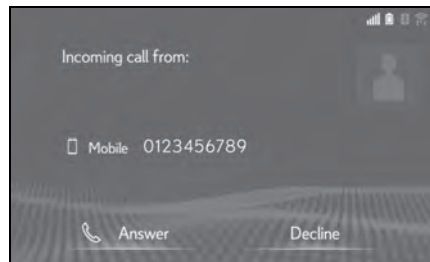
## Receiving a call using the Bluetooth® hands-free system

When a call is received, the following screen is displayed with a sound.

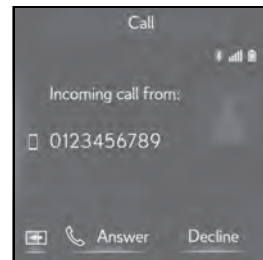
### Incoming calls

- 1 Select "Answer" or press the  switch on the steering wheel to talk on the phone.

#### ► Main display



#### ► Side display



"Decline": Select to refuse to receive the call.

To adjust the volume of a received call: Turn the "PWR•VOL" knob, or use the volume control switch on the steering wheel.

- During international phone calls, the other party's name or number may not be displayed correctly depending on the

type of Bluetooth® phone you have.

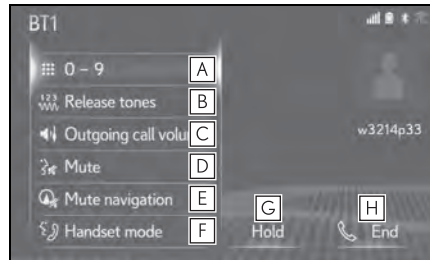
- The ringtone that has been set in the sound settings screen can be heard when there is an incoming call. Depending on the type of Bluetooth® phone, both the system and Bluetooth® phone may ring simultaneously when there is an incoming call. (→P.247)
- The incoming call display mode can be set. (→P.248)

## Talking on the Bluetooth® hands-free system

While talking on the phone, the following screen is displayed. The operations outlined below can be performed on this screen.

### Call screen operation

#### ► Main display

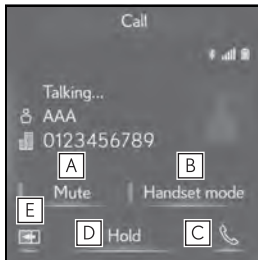


- A** Select to display the keypad to send tones. (→P.239)
- B** Select to send tones. This button only appears when a number that contains a (w) is dialed in hands-free mode. (→P.241)
- C** Select to adjust your voice volume that the other party hears from their speaker. (→P.241)
- D** Select to mute your voice to the other party.
- E** Select to mute the navigation route guidance during a phone call.
- F** Select to change handset modes between hands-free and cellular phone.
- G** Select to put a call on hold. To can-

cel this function, select “Activate”.  
(→P.242)

**H** Select to hang up the phone.

▶ Side display



**A** Select to mute your voice to the other party.

**B** Select to change handset modes between hands-free and cellular phone.

**C** Select to hang up the phone.

**D** Select to put a call on hold. To cancel this function, select “Activate”.  
(→P.242)

**E** Select to switch the displayed current screen to the main display.

- When cellular phone call is changed to hands-free call, the hands-free screen will be displayed and its functions can be operated on the screen.
- Changing between cellular phone call and hands-free call can be performed by operating the cellular phone directly.
- Transferring methods and operations will be different depending on the type of cellular phone you have.
- For the operation of the cellular phone, see the manual that comes with it.
- This screen can be displayed on the main display or side display. (→P.248)

## Sending tones

### ■ By keypad

- 1 Select “0-9” on the sub menu.
- 2 Enter the desired number.

### ■ By selecting “Release tones”


“Release tones” appear when a continuous tone signal(s) containing a (w) is registered in the contact list.

- 1 Select “Release tones” on the sub menu.

- A continuous tone signal is a character string that consists of numbers and the characters “p” or “w”. (e.g. 056133w0123p#1)
- When the “p” pause tone is used, the tone data up until the next pause tone will be automatically sent after 2 seconds have elapsed. When the “w” pause tone is used, the tone data up until the next pause tone will be automatically sent after a user operation is performed.
- Release tones can be used when automated operation of a phone based service such as an answering machine or bank phone service is desired. A phone number with continuous tone signals can be registered in the contact list.
- Tone data after a “w” pause tone can be operated by speech command during a call.

## Outgoing call volume setting

- 1 Select “Outgoing call volume” on the sub menu.
- 2 Select the desired level for the transmit volume.

- 3 Press the  button on the Remote Touch to display previous screen.

- The sound quality of the voice heard from the other party's speaker may be negatively impacted.
- "Outgoing call volume" is dimmed when mute is on.

### Switching calls while a call is in progress


- When there are no calls on hold during a call: "Hold" is displayed. When selected, the current call is placed on hold.
- When there is no current call, but there is a call on hold: "Activate" is displayed. When selected, the system switches to the call that was on hold.
- When there is another call on hold during a call: "Swap calls" is displayed. When selected, the current call is placed on hold, and the system switches to the call that was on hold.

- This function may not be available depending on the type of Bluetooth<sup>®</sup> phone.
- This screen can be displayed on the main display or side display.

### Incoming call waiting

When a call is interrupted by a third party while talking, the incoming screen is displayed.

The incoming screen can also be displayed on the side display.

- 1 Select "Answer" or press the  switch on the steering wheel to start talking with the other party.

- To refuse to receive the call: Select "Decline".
- Each time "Swap calls" is selected, the party who is on hold will be switched.

- This function may not be available depending on the type of Bluetooth<sup>®</sup> phone.
- This screen can be displayed on the main display or side display.

## Bluetooth® phone message function

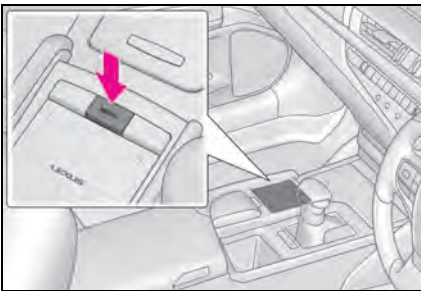
Received messages can be forwarded from the connected Bluetooth® phone, enabling checking and replying using the system.

Depending on the type of Bluetooth® phone connected, received messages may not be transferred to the system.

If the phone does not support the message function, this function cannot be used. Even when the supported phone is used, reply function may not be used.

### Displaying the message screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Phone".
- 3 Select  "Message" on the sub menu.

- 4 Select a desired account name that is displayed on the left side of screen.

- Account names are the names of the accounts that exist on the currently connected phone.

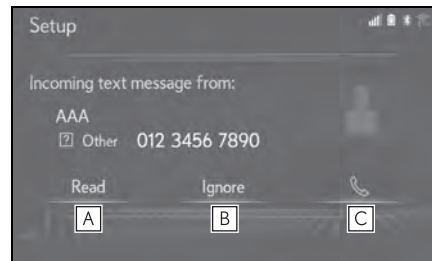
- 5 Check that the message screen is displayed.

"Phone": Select to change to phone mode.

- The following functions can be used on message function:
  - Receiving a message (→P.243)
  - Checking messages (→P.244)
  - Replying to a message (Quick reply) (→P.245)
  - Calling the message sender (→P.245)
  - Message settings (→P.254)

### Receiving a message

When an e-mail/SMS/MMS is received, the incoming message screen pops up with sound and is ready to be operated on the screen.



- A** Select to check the message.
- B** Select to not open the message.
- C** Select to call the message sender.

- To display the above screen, it needs to be set to "Full screen" on "Incoming SMS/MMS display" and "Incoming E-mail display". (→P.248) Default setting is "Drop-down".
- Depending on the type of Bluetooth<sup>®</sup> phone used for receiving messages, or its registration status with the system, some information may not be displayed.
- The pop-up screen is separately available for incoming e-mail and SMS/MMS messages under the following conditions:

#### E-mail:

- "E-mail notification pop-up" is set to on. (→P.248)


#### SMS/MMS:

- "SMS/MMS notification pop-up" is set to on. (→P.248)

- Depending on the type of Bluetooth<sup>®</sup> phone being connected, E-Mail function cannot be used via Bluetooth<sup>®</sup>.

### Checking messages

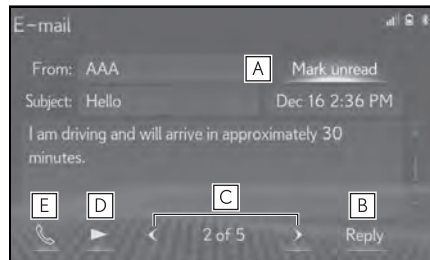
1 Display the message screen:

- "MENU" button → "Phone" →  "Message" on the sub menu

2 Select a desired account name that is displayed on the left side of screen.

3 Select the desired message from the list.


4 Check that the message is displayed.



**A** Select "Mark unread" or "Mark read" to mark e-mail unread or read on the message screen. This function is available when "Update message read status on phone" is set to on. (→P.254) When the text message type is SMS, it is not displayed.

**B** Select to reply to the message. (→P.245)

**C** Select to display the previous or next message.

**D** Select to have messages read out. To cancel this function, select . When "Automatic message read-out" is set to on, messages will be automatically read out. (→P.254)

**E** Select to call the message sender.

- Depending on the type of Bluetooth<sup>®</sup> phone being connected, this function cannot be used.
- Depending on the type of Bluetooth<sup>®</sup> phone being connected, it may be necessary to perform additional steps on the phone.
- Messages are displayed in the appropriate connected Bluetooth<sup>®</sup> phone's regis-


tered mail address folder. Select the desired folder name to be displayed.

- Only received messages on the connected Bluetooth<sup>®</sup> phone can be displayed.
- The text of the message is not displayed while driving.
- Turn the "PWR•VOL" knob, or use the volume control switch on the steering wheel to adjust the message read out volume while the message is read out.
- "Subject:" field is not shown on SMS case.

### Replying to a message (quick reply)

15 messages have already been stored.

1 Display the message screen:

- "MENU" button → "Phone" →  "Message" on the sub menu

2 Select a desired account name that is displayed on the left side of screen.

3 Select the desired message from the list.

4 Select "Reply".

5 Select the desired message.

6 Select "Send".

"Cancel": Select to cancel sending the message.


- While the message is being sent, a sending message screen is displayed.
- 7 Check that a confirmation screen is displayed when the operation is complete.
- If an error message is displayed, fol-

low the guidance on the screen to try again.

### ■ Editing quick reply messages

This operation cannot be performed while driving.

1 Select "Reply".

2 Select  corresponding to the desired message to edit.

3 Select "OK" when editing is completed.

- To reset the edited quick reply messages, select "Default".

- Quick message 1 ("I am driving and will arrive in approximately [##] minutes."): This message cannot be edited and will automatically fill in [##] with the navigation calculated estimated time of arrival on the confirm message screen. If there are waypoints set, [##] to the next waypoint will be shown. If there is no route currently set in the navigation system, quick message 1 cannot be selected.

- Depending on the type of Bluetooth<sup>®</sup> phone used for receiving messages, reply function may not be used.


### Calling the message sender



Calls can be made to an e-mail/SMS/MMS message sender's phone number.

This operation can be performed while driving.

### ■ Calling from e-mail/SMS/MMS message display


1 Display the message screen:

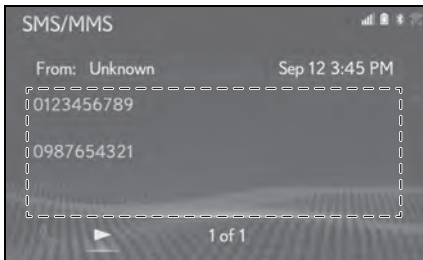
- "MENU" button → "Phone" →  "Message" on the sub menu

- 2 Select a desired account name that is displayed on the left side of screen.
  - 3 Select the desired message.
  - 4 Select  or press the  switch on the steering wheel.
    - If there are 2 or more phone numbers, select the desired number.
  - 5 Check that the call screen is displayed.
- **Calling from a number within a message**

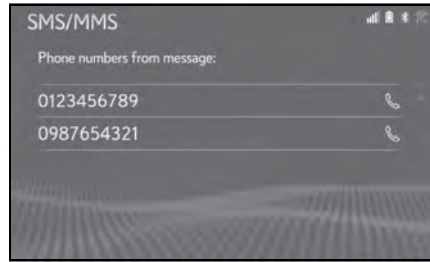
Calls can be made to a number identified in a message's text area in blue font.

This operation cannot be performed while driving.

- 1 Display the message screen:
  - "MENU" button → "Phone" →  "Message" on the sub menu
- 2 Select a desired account name that is displayed on the left side of screen.
- 3 Select the desired message.
- 4 Select the text area.



- 5 Select the desired number.



- Identified phone numbers contained in the message are displayed.
- 6 Check that the dialing screen is displayed.

- A series of numbers may be recognized as a phone number. Additionally, some phone numbers may not be recognized, such as those for other countries.

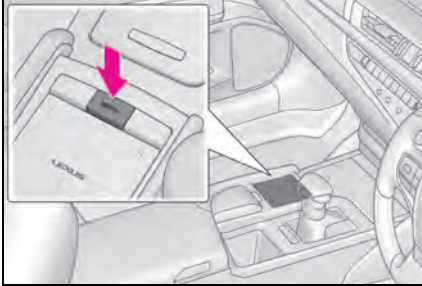
■ **Calling from the incoming message screen**


For detail, refer to "Receiving a message". (→P.243)

## Phone settings

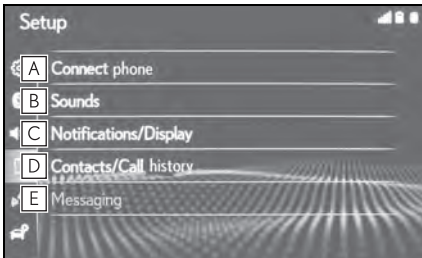
### Displaying the phone settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Phone" on the sub menu.
- 4 Select the desired item to be set.

### Phone settings screen



- A** Connecting a Bluetooth<sup>®</sup> device and editing the Bluetooth<sup>®</sup> device information (→P.42, 45)
- B** Sound settings\* (→P.247)
- C** Notification/display settings\* (→P.248)


**D** Contact/call history settings\* (→P.249)

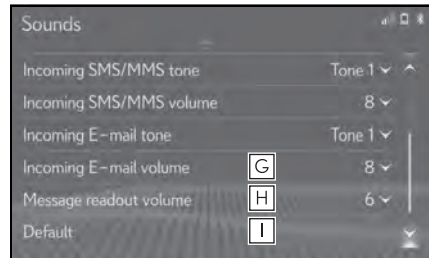
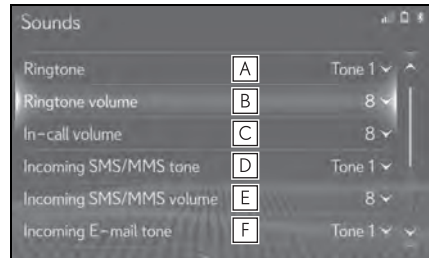
**E** Message settings\* (→P.254)

\*: This operation cannot be performed while driving.

### Sounds settings screen

The call and ringtone volume can be adjusted. A ringtone can be selected.

- 1 Display the phone settings screen:
  - "MENU" button → "Setup" → 
- 2 Select "Sounds".
- 3 Select the desired item to be set.



**A** Select to set the desired ringtone.


**B** Select "-" or "+" to adjust the ringtone volume.

**C** Select "-" or "+" to adjust the default volume of the other party's voice.

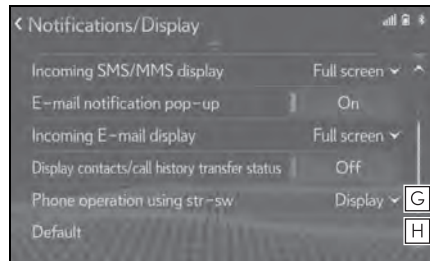
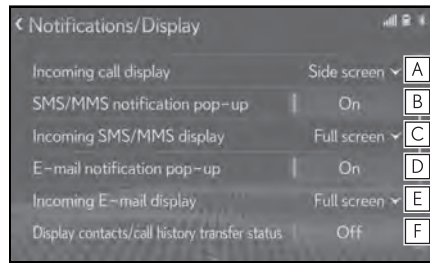
- D** Select to set the desired incoming SMS/MMS tone.
- E** Select “-” or “+” to adjust the incoming SMS/MMS tone volume.
- F** Select to set the desired incoming e-mail tone.
- G** Select “-” or “+” to adjust the incoming e-mail tone volume.
- H** Select “-” or “+” to adjust the message readout volume.
- I** Select to reset all setup items.

- Depending on the type of Bluetooth<sup>®</sup> phone, certain functions may not be available.

### Notification/Display settings screen

- 1 Display the phone settings screen:
  - “MENU” button → “Setup” →  “Phone” on the sub menu
- 2 Select “Notifications/Display”.

- 3 Select the desired item to be set.



- A** Select to change where the screen is displayed between the main display and side display.
  - “Main screen”: Select to display and operate the screen on the main display.
  - “Side screen”: Select to display and operate the screen on the side display. For details of the screen: →P.239
- B** Select to set the SMS/MMS notification pop-up on/off.
- C** Select to change the incoming SMS/MMS display.
  - “Full screen”: When an SMS/MMS message is received, the incoming SMS/MMS display screen is displayed and can be operated on the screen.
  - “Drop-down”: When an SMS/MMS message is received, a message is displayed at the top of the screen.
- D** Select to set the e-mail notification pop-up on/off.
- E** Select to change the incoming e-

mail display.

- “Full screen”: When an e-mail is received, the incoming e-mail display screen is the displayed and can be operated on the screen.
- “Drop-down”: When an e-mail is received, a message is displayed at the top of the screen.

**F** Select to set display of the contact/history transfer completion message on/off.

**G** The phone top screen can be set to be displayed on the multi-information display or system screen.


**H** Select to reset all setup items.

- Depending on the type of Bluetooth<sup>®</sup> phone, these functions may not be available.

### Contacts/Call history settings screen

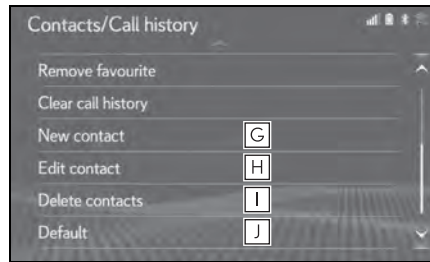
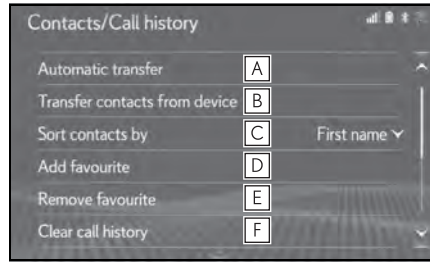
Contacts can be transferred from a Bluetooth<sup>®</sup> phone to this system. Contacts and favourites can be added, edited and deleted. Also, the call history can be deleted.

**1** Display the phone settings screen:

- “MENU” button → “Setup” →  “Phone” on the sub menu

**2** Select “Contacts/Call history”.

**3** Select the desired item to be set.



**A** For PBAP compatible Bluetooth<sup>®</sup> phones: Select to change the contact/history transfer settings. (→P.250)

**B** Select to update contacts from the connected device. (→P.250)

**C** Select to sort contacts by the first name or last name field.

**D** Select to add contacts to the favourites list. (→P.253)

**E** Select to delete favourites from the favourites list. (→P.254)

**F** Select to clear the call history.\*

**G** Select to add new contacts to the contact list.\* (→P.252)

**H** Select to edit contacts in the contact list.\* (→P.253)

**I** Select to delete contacts from the

contact list.\* (→P.253)

**J** Select to reset all setup items.

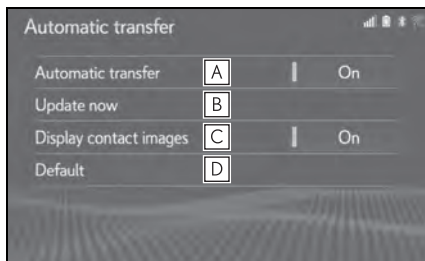
\*: For PBAP compatible Bluetooth® phones, this function is available when “Automatic transfer” is set to off. (→P.250)

- Depending on the type of Bluetooth® phone, certain functions may not be available.
- Contact data is managed independently for every registered phone. When one phone is connected, another phone’s registered data cannot be read.

### Setting automatic contact/history transfer

The automatic contact/history function is available for PBAP compatible Bluetooth® phones only.

- 1 Select “Automatic transfer”.
- 2 Select the desired item to be set.



- A** Select to set automatic contact/history transfer on/off. When set to on, the phone’s contact data and history are automatically transferred.
- B** Select to update contacts from the connected phone. (→P.250)

**C** Select to set the transferred contact image display on/off.

- When set to off, the contact image cannot be displayed on the side display when a call is received.

**D** Select to reset all setup items.

### Updating contacts from phone

1 Select “Update now”.

- Contacts are transferred automatically.

2 Check that a confirmation screen is displayed when the operation is complete.


- This operation may be unnecessary depending on the type of Bluetooth® phone.
- If another Bluetooth® device is connected when transferring contact data, depending on the phone, the connected Bluetooth® device may need to be disconnected.

- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

### Updating the contacts in a different way (from the call history screen)\*

1 Press the “MENU” button on the Remote Touch.

2 Select “Phone”.

3 Select  “History” on the sub menu and select a contact not yet registered in the contact list.

- 4 Select "Update contact".
- 5 Select the desired contact.
- 6 Select a phone type for the phone number.

\* : For PBAP compatible Bluetooth® phones, this function is available when "Automatic transfer" is set to off. (→P.250)

### Transfer contacts from device

When an Android Auto connection is established, this function will be unavailable.\*

\* : This function is not made available in some countries or areas.

### From phone (OPP compatible Bluetooth® phones only)

- ▶ When the contact is not registered
- 1 Select "Transfer contacts from device".
- 2 Select "From phone (Bluetooth)".
- 3 Transfer the contact data to the system using a Bluetooth® phone.
  - This operation may be unnecessary depending on the type of Bluetooth® phone.
  - To cancel this function, select "Cancel".
- 4 Check that a confirmation screen is displayed when the operation is complete.

- ▶ When the contact is registered
- 1 Select "Transfer contacts from device".
- 2 Select "From phone (Bluetooth)".
- 3 Select "Replace contacts" or "Add contact".

"Replace contacts": Select to transfer the contact from the connected cellular phone and replace the current one.

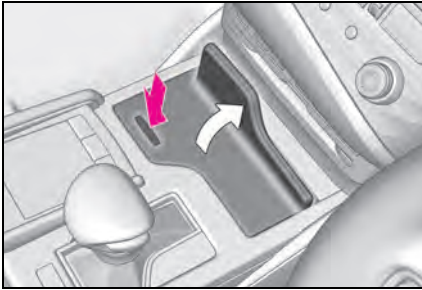
"Add contact": Select to transfer the desired contact data from the connected cellular phone to add to the current one.

- 4 Transfer the contact data to the system using a Bluetooth® phone.
  - This operation may be unnecessary depending on the type of Bluetooth® phone.
  - To cancel this function, select "Cancel".
- 5 Check that a confirmation screen is displayed when the operation is complete.

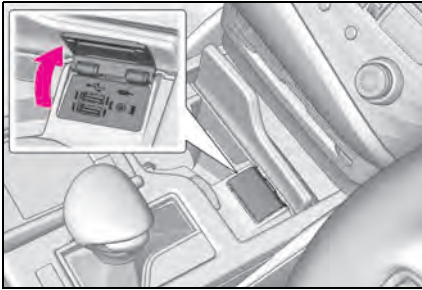
### From USB device

Backed-up contact data ("vCard" formatted) can be transferred from USB device or Bluetooth® phone to this system.

- 1 Press the lid.



- 2 Open the cover and connect a device.



- Turn on the power of the USB device or Bluetooth<sup>®</sup> phone if it is not turned on.
- 3 Select “Transfer contacts from device”.
  - 4 Select “From USB”.
  - 5 Select “USB 1” or “USB 2” when the multiple USB devices are connected. If a USB device is connected, skip this procedure.
  - 6 Select “Replace contacts” or “Add contact”. If the contact is not registered, skip this procedure.

“Replace contacts”: Select to transfer the contact from the connected USB device or Bluetooth<sup>®</sup> phone and replace the current one.

“Add contact”: Select to transfer the desired contact data from the connected USB device or Bluetooth<sup>®</sup> phone to add to the current one.

- 7 Select a desired file from vCard file list.
- 8 Check that a confirmation screen is displayed when the operation is complete.

- Depending on the type of Bluetooth<sup>®</sup> phone used and number of files, it may take time to display vCard file lists and download contacts.
- Downloading may not complete correctly in the following cases:
  - If the power switch is turned off during downloading.
  - If the USB device or Bluetooth<sup>®</sup> phone is removed before downloading is complete.


### Registering a new contact to the contacts list

New contact data can be registered.


Up to 4 numbers per person can be registered.

- 1 Select “New contact”.
- 2 Enter the name and select “OK”.
- 3 Enter the phone number and select “OK”.
- 4 Select the phone type for the phone number.
- 5 To add another number to this contact, select “Yes”.


### ■ Registering a new contact in a different way (from the call history screen)

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select  "History" on the sub menu and select a contact not yet registered in the contact list.
- 4 Select "Add to contacts".
- 5 Follow the steps in "Registering a new contact to the contacts list" from step 2. (→P.252)

### Editing the contact data

- 1 Select "Edit contact".
- 2 Select the desired contact.
- 3 Select  next to the name or desired number.
- 4 Enter the name or the phone number and select "OK".

### Deleting the contact data

- 1 Select "Delete contacts".
- 2 Select the desired contact and press the  button on the Remote Touch.

"Select All": Select all items in the list.

"Unselect All": Unselect all items in the list.

"Delete": Delete selected items in the list.

- 3 Select "Delete".
- 4 Select "Yes" when the confirmation screen appears.

- Multiple data can be selected and deleted at the same time.
- When a Bluetooth<sup>®</sup> phone is deleted, the contact data will be deleted at the same time.


### Favourites list setting

Up to 15 contacts (maximum of 4 numbers per contact) can be registered in the favourites list.

### ■ Registering the contacts in the favourites list

- 1 Select "Add favourite".
  - 2 Select the desired contact to add to the favourites list.
- Dimmed contacts are already stored as a favourite.
- 3 Check that a confirmation screen is displayed when the operation is complete.
- ▶ When 15 contacts have already been registered to the favourites list
- 1 When 15 contacts have already been registered to the favourites list, a registered contact needs to be replaced.  
Select "Yes" when the confirmation screen appears to replace a contact.
  - 2 Select the contact to be replaced.
  - 3 Check that a confirmation screen is displayed when the operation is complete.

### ■ Registering contacts in the favourites list in a different way (from the contact details screen)

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Phone”.
- 3 Select  “Contacts” on the sub menu and select the desired contact.
- 4 Select “Add favourites”.
- 5 Check that a confirmation screen is displayed when the operation is complete.

### ■ Deleting favourites from the favourites list

- 1 Select “Remove favourite”.
- 2 Select the desired contacts and press the  button on the Remote Touch.

“Select all”: Select all items in the list.



“Unselect all”: Unselect all items in the list.

“Remove”: Remove selected items in the list.


- 3 Select “Remove”.
- 4 Select “Yes” when the confirmation screen appears.
- 5 Check that a confirmation screen is displayed when the operation is complete.

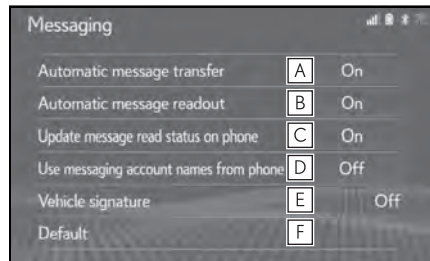
### ■ Deleting favourites from the favourites list in a different way (from the contact details screen)

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Phone”.

- 3 Select  “Contacts” or  “Favourites” on the sub menu and then select the favourite you wish to delete.
- 4 Select “Remove favourite”.
- 5 Select “Yes” when the confirmation screen appears.
- 6 Check that a confirmation screen is displayed when the operation is complete.

## Message settings screen

- 1 Display the phone settings screen:
  - “MENU” button → “Setup” →  “Phone” on the sub menu
- 2 Select “Messaging”.
- 3 Select the desired item to be set.



- A** Select to set automatic message transfer on/off.
- B** Select to set automatic message readout on/off.
- C** Select to set updating message read status on phone on/off.
- D** Select to set display of messaging account names on the message screen on/off.

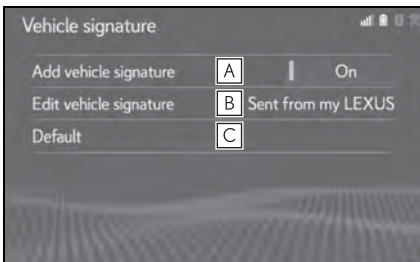
When set to on, messaging account names used on the cellular phone will be displayed.

- E** Select to change the vehicle signature settings. (→P.255)
- F** Select to reset all setup items.

- Depending on the phone, these functions may not be available.

### Vehicle signature settings

- 1 Select "Vehicle signature".
- 2 Select the desired item to be set.



- A** Select to set adding the vehicle signature to outgoing messages on/off.
- B** Select to edit the vehicle signature. (→P.255)
- C** Select to reset all setup items.

#### ■ Editing vehicle signature

- 1 Select "Edit vehicle signature".
- 2 Enter desired signature with using keyboard.
- 3 Select "OK".
- 4 Select "OK" on the confirmation screen, or select "Edit again" when it needs to amend.

### Troubleshooting

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

### Troubleshooting

■ **When using the hands-free system with a Bluetooth® device**

The hands-free system or Bluetooth® device does not work.

Likely cause	Solution
The connected device may not be a compatible Bluetooth® cellular phone.	For a list of specific devices which operation has been confirmed on this system, check with your Lexus dealer.
The Bluetooth® version of the connected cellular phone may be older than the specified version.	Use a cellular phone with Bluetooth® version 2.0 or higher (recommended: Ver. 4.2 or higher). (→P.40)

■ **When registering/connecting a cellular phone**

A cellular phone cannot be registered.

Likely cause	Solution
An incorrect passcode was entered on the cellular phone.	Enter the correct passcode on the cellular phone.
The registration operation has not been completed on the cellular phone side.	Complete the registration operation on the cellular phone (approve registration on the phone).
Old registration information remains on either this system or the cellular phone.	Delete the existing registration information from both this system and the cellular phone, then register the cellular phone you wish to connect to this system. (→P.44)



A Bluetooth® connection cannot be made.

Likely cause	Solution
Another Bluetooth® device is already connected.	Manually connect the cellular phone you wish to use to this system. (→P.42)
Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.
Automatic Bluetooth® connection on this system is set to off.	Set automatic Bluetooth® connection on this system to on when the power switch is in ACCESSORY or ON mode. (→P.47)

Likely cause	Solution
Preferred device settings function on this system is set to on.	Set preferred device settings function on this system to off. (→P.47)
	Set the desired cellular phone to the highest automatic connection priority. (→P.47)

■ **When making/receiving a call**

A call cannot be made/received.

Likely cause	Solution
Your vehicle is in a  area.	Move to where  no longer appears on the display.

■ **When using the phonebook**

Phonebook data cannot be transferred manually/automatically.

Likely cause	Solution
The profile version of the connected cellular phone may not be compatible with transferring phonebook data.	For a list of specific devices which operation has been confirmed on this system, check with your Lexus dealer.
Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on. (→P.250)

Likely cause	Solution
Passcode has not been entered on the cellular phone.	Enter the passcode on the cellular phone if requested (default passcode: 1234).
Transfer operation on the cellular phone has not completed.	Complete transfer operation on the cellular phone (approve transfer operation on the phone).

Phonebook data cannot be edited.

Likely cause	Solution
Automatic contact transfer function on this system is set to on.	Set automatic contact transfer function on this system to off. (→P.250)

■ **When using the Bluetooth<sup>®</sup> message function**

Messages cannot be viewed.

Likely cause	Solution
Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).
Automatic transfer function on this system is set to off.	Set automatic transfer function on this system to on. (→P.250)

New message notifications are not displayed.

Likely cause	Solution
Notification of SMS/MMS/E-mail reception on this system is set to off.	Set notification of SMS/MMS/E-mail reception on this system to on. (→P.248)
Automatic message transfer function is not enabled on the cellular phone.	Enable automatic transfer function on the cellular phone.

■ In other situations

The Bluetooth® connection status is displayed at the top of the screen each time the power switch is in ACCESSORY or ON mode.

Likely cause	Solution
Connection confirmation display on this system is set to on.	To turn off the display, set connection confirmation display on this system to off. (→P.46)

Even though all conceivable measures have been taken, the symptom status does not change.

Likely cause	Solution
The cellular phone is not close enough to this system.	Bring the cellular phone closer to this system.
Radio interference has occurred.	Turn off Wi-Fi® devices or other devices that may emit radio waves.

Likely cause	Solution
The cellular phone is the most likely cause of the symptom.	Turn the cellular phone off, remove and reinstall the battery pack, and then restart the cellular phone.
	Enable the cellular phone's Bluetooth® connection.
	Disable the Wi-Fi® connection of the cellular phone.
	Stop the cellular phone's security software and close all applications.
	Before using an application installed on the cellular phone, carefully check its source and how its operation might affect this system.

● For details, refer to the owner's manual that came with the cellular phone.

# Lexus App Suite

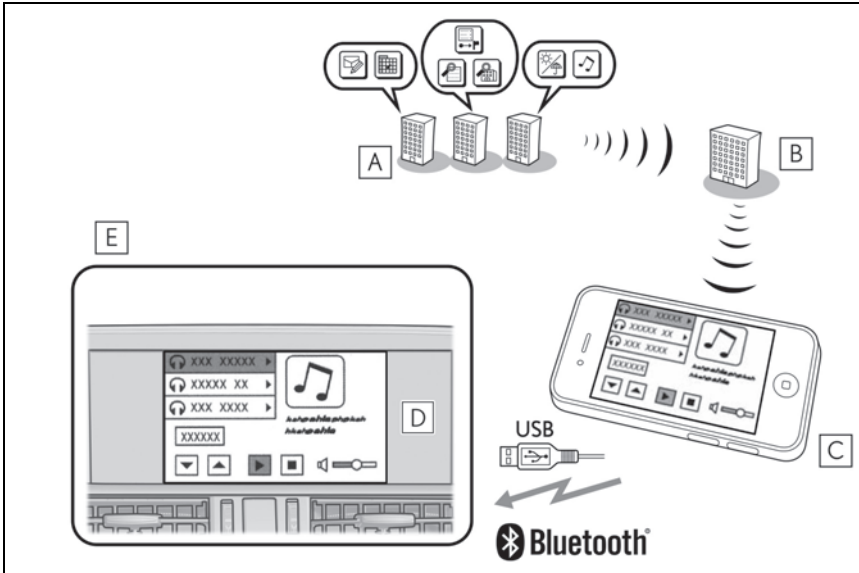
## 8

- 8-1. Lexus App Suite-overview**
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- 8-2. Lexus App Suite operation**
  - Lexus App Suite .....**262**
- 8-3. Setup**
  - Lexus App Suite settings.....**266**

## Lexus App Suite service

Lexus App Suite is a service that enables the usable contents of a smartphone to be displayed on and operated from the navigation screen. Before Lexus App Suite can be used, a few settings need to be performed. (→P.261)

## Lexus App Suite



### **A** Contents provider

Provides contents to the application server.

### **B** Application server

Provides applications to the navigation system via a smartphone.

### **C** Smartphone\*

Using the Lexus App Suite-overview App Suite application, communication is relayed between the navigation system, the application server and the contents provider.

A smartphone cannot be operated while communicating.

### **D** Applications

Displays and sounds the usable contents from the contents providers via a smartphone on the application player.

### **E** Navigation system

Contents received, via a smartphone, from the contents provider servers are displayed on the navigation screen. The navigation system is equipped with an application player to run applications.

\* : For known compatible phone, refer to <http://www.lexus.com.au/> or <http://www.lexus.co.nz/>.

## Before using the function

### ■ Availability of service

- Lexus App Suite is available in Australia\*.
- 
- When using Lexus App Suite, depending on the details of your smartphone contract, data usage fees may apply. Confirm data usage fees before using this service.
  - In this section, the required operations to activate applications, connect a smartphone to the navigation system and registration steps for Lexus App Suite are explained. For details regarding Lexus App Suite operations and each of the applications, refer to <http://www.lexus.com.au/> or <http://www.lexus.co.nz/>.
  - The actual service availability is dependent on the network condition.

### ■ Initializing personal data

The personal data used in applications can be reset. (→P.61)

- The following personal data can be deleted and returned to their default settings:
    - Downloaded contents
    - Radio stations that were listened to
    - Entered history
- 
- Once initialized, data will be erased. Pay close attention when initializing the data.

## Preparation before using Lexus App Suite

### ■ Settings required to use Lexus App Suite

Perform the settings in the following order.

- 1 Download the Lexus App Suite application to your smartphone.
- 2 Register the smartphone with the navigation system.

- 
- Applications can only be used when the Lexus App Suite application has been downloaded to your smartphone and the application is running.
  - Lexus App Suite operational procedures can also be confirmed by visiting <http://www.lexus.com.au/lexus>\*.

\* : For information on availability of the service in New Zealand, refer to <http://www.lexus.co.nz/>.

## Lexus App Suite

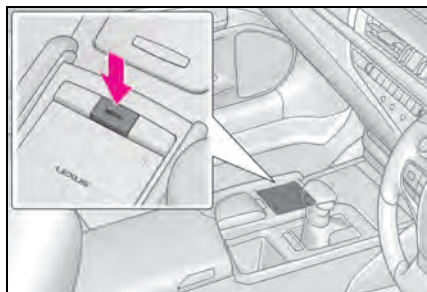
Lexus App Suite is a service that enables the usable contents of a smartphone to be displayed on and operated from the navigation system screen. Before Lexus App Suite can be used, a few settings need to be performed. (→P.261)

For details about the function and service of each application, refer to <http://www.lexus.com.au/lexus> .

\* : For information on availability of the service in New Zealand, refer to <http://www.lexus.co.nz/>.

## Using Lexus App Suite


- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Apps".
- 3 Select the desired application screen button.

 : Select to activate an application.

"Update": Select to update the application. (→P.262)

 : Displays the number of new notifications for the application.

## Updating an application

When Lexus App Suite is activated, an application may need to be updated. By updating the application, it can be kept to the latest version. To update the application, it is necessary to download the updated data and install it.

### ■ Downloading the updated data

If an update is available, "Update" can be selected.

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Apps".
- 3 Select "Update". (→P.262)
- 4 Check that downloading starts.

"Download in background": Select to operate other function while downloading.

"Cancel": Select to cancel updating.

- 5 Check that downloading is completed.

"Later": Select to install later. When this screen button is selected, the screen will return to the last displayed screen. To install the updated data: (→P.262)

"Show details": Select to display detailed update data information.

"Install": Select to install the updated data. Follow the steps "Installing the updated data" from step 4. (→P.262)

### ■ Installing the updated data

After the downloading is complete, "Update" will be changed to "Install".

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Apps".
- 3 Select "Install".

**4** Select “Continue”.

“Later”: Select to postpone the installation of the updated data and go back to the previous screen.

**5** Check that installing is started.

“Install in background”: Select to operate other function while installing.

**6** Select “OK” after the installing is complete.

- Lexus App Suite function cannot be operated while installing.

### If a message appears on the screen

When problems occur with starting up the application player, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

- “When it is safe and legal to do so, ensure your Lexus App Suite phone application is running and logged in.”

The Lexus App Suite application cannot be connected to Bluetooth® SPP.

Refer to <http://www.lexus.com.au/lexus>\* to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the App Suite application.

- “Installation failed, try again.”

Installation can be attempted again by changing to the “Entune App Suite” screen and pressing the “Install” switch.

- “Download could not be completed. Some Lexus App Suite functions may not work as expected. Reiniti-

ate the download process.”

The Lexus App Suite application cannot be connected to Bluetooth® SPP.

Refer to <http://www.lexus.com.au/lexus>\* to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the App Suite application.

Please ensure your Lexus App Suite application is running and logged in on your phone while vehicle is not moving.

- “Application download could not be completed. Try again later.”

The Lexus App Suite application cannot be connected to Bluetooth® SPP.

Refer to <http://www.lexus.com.au/lexus>\* to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the App Suite application.

Please ensure your Lexus App Suite application is running and logged in on your phone while vehicle is not moving.

\*: For information on availability of the service in New Zealand, refer to <http://www.lexus.co.nz/>.

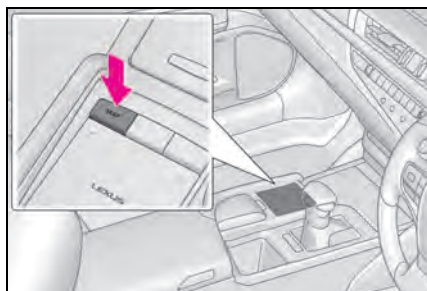
### Linking Lexus App Suite and navigation local function

The navigation system’s setting a destination and making a hands-free call can be performed via Lexus App Suite. For details about the function and service of each application, refer to <http://www.lexus.com.au/lexus>\*.

\*: For information on availability of the service in New Zealand, refer to <http://www.lexus.co.nz/>.

### ■ From the map screen

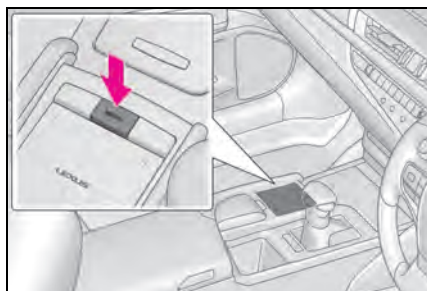
- 1 Press the “MAP” button on the Remote Touch.



- 2 Select .
- 3 Follow the steps in “From the menu screen” from step 3. (→P.264)

### ■ From the menu screen

- 1 Press the “MENU” button on the Remote Touch.




- 2 Select “Destination”.
- 3 Select “Web search”.
- 4 Check that the “Web search” screen is displayed.

#### Setting a destination using Lexus App Suite

Locations that were searched using Lexus App Suite can be set as a destination.

### ■ From the map screen

- 1 Press the “MAP” button on the Remote Touch.
- 2 Select .
- 3 Follow the steps in “From the menu screen” from step 3. (→P.264)


### ■ From the menu screen

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Destination”.
- 3 Select “Web search”.
- 4 Select the desired application button to search.
- 5 Enter a search term, and select “Go”.
- 6 Select “Map”.
- 7 Select “Go directly”.
- 8 Select “OK” to start guidance.
- For the operation of the route guidance screen and the function of each screen button: →P.86

#### Making a phone call using Lexus App Suite

Phone calls can be made to locations which were searched using Lexus App Suite.

### ■ From the map screen

- 1 Press the “MAP” button on the Remote Touch.
- 2 Select .
- 3 Follow the steps in “From the menu screen” from step 3. (→P.265)

### ■ From the menu screen

- 1 Press the "MENU" button on the Remote Touch.
  - 2 Select "Destination".
  - 3 Select "Web search".
  - 4 Select the desired application button to search.
  - 5 Enter a search term, and select "Go".
  - 6 Select a switch which is for make a call.
  - 7 Select "Yes".
- "Cancel": Select to cancel making a phone call.
- 8 Check that the call screen is displayed.
- For phone operation and the function of each screen button: →P.240

### Entering keyword operation

A keyword can be entered to an application by the software keyboard.

For details about the function and service of each application, refer to:

<http://www.lexus.com.au/lexus> \*

### ■ Entering a keyword using the software keyboard

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Apps".
- 3 Select the desired application button.
- 4 Select the character entering space.

- 5 Enter a search terms, and then select "OK".
  - 6 Entering characters will be reflected on the character entering space.
- For details on operating the keyboard: →P.33

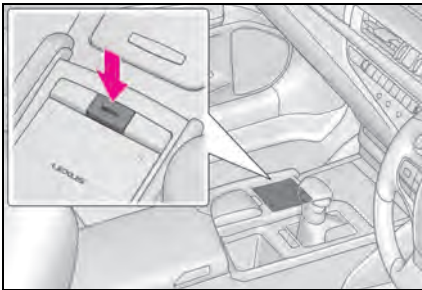
\* : For information on availability of the service in New Zealand, refer to <http://www.lexus.co.nz/>.


## Lexus App Suite settings

Settings are available for Lexus App Suite.

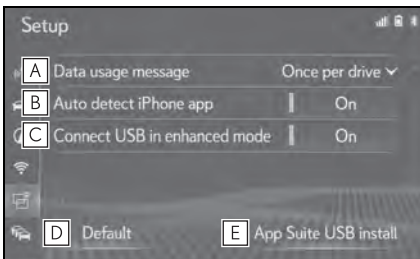
### Displaying the Lexus App Suite settings screen

- 1 Press the “MENU” button on the Remote Touch.



- 2 Select “Setup”.
- 3 Select  “Lexus App Suite” on the sub menu.
- 4 Select the items to be set.

### Lexus App Suite settings screen



- A** Select to set the pop up reminder for smartphone data usage.
- B** Select to detect iPhone app auto-

matically on/off.

- C** Select to use enhanced mode with connecting USB device on/off.
  - When an iPhone is connected while this setting is “On”, communication with any devices connected to the other USB port is not possible. Also, depending on the device, charging may not be possible.
- D** Select to reset all setup items.
- E** Select to install the Lexus App Suite via USB.
  - This function can be used only for first time installation Lexus App Suite.

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**For more information about the following items, see the “Owner’s Manual”.**

- Air conditioning
- Energy monitor
- Fuel consumption
- Vehicle customization



## Map database information and updates

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F. Additional provisions with respect to Software: restrict each of the following entities from exercising any right in or to the Software: Addison Lee, AlloCab, Amazon (excluding consumer products or enterprise services not related to delivery or a Fleet Management Solution, e.g., Kindle, Fire, Amazon Web Services), Cabify, Careem, Chauffeur Prive, Club Chauffeur, Didi-Dache, Djump, Drive, Easy Taxi, Ecocab, Flywheel, GetTaxi, Google, Go Taxi, GrabTaxi, GreenTomatoCars, Halo Network Limited, Heetch, Kabbee, Kuaidi-Dache, LeCab, Lyft, MiniCabster, Meru Cabs, MyTaxi, Olacabs, OneTaxi, Quadk, Ridelabs LLC (Summon), SideCar, SnapCar, Taxibeat, TaxiForSure, Yaxi Taxi, Yidao, Yangche and #TAXI. The foregoing shall not apply to the extent the LBS Software is integrated into an Authorized Application in a manner that prohibits any modification or customization of such LBS Software by a third party.

G. Additional provisions with respect to the TomTom Traffic Licensed Product - coverage of Canada, Mexico and/or the United States: The TomTom Traffic Licensed Product may not be delivered by FM Radio, HD Radio or Hybrid Radio. The TomTom Traffic Licensed Product may not be licensed or provided to INRIX, HERE, Radiate Media or any radio or television broadcaster in North America.



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