Others

Other Operations

Picture Function Operations

Using the Picture Function

• •

If you insert an SD memory card that contains image data, you can play a slide show of the images, or set an image as the Opening screen.

⚠ CAUTION

Before inserting an SD memory card that contains image data, touch `SD Eject` **(SD Eject) and remove the map SD card. Removing the card without first touching** `SD Eject` **(SD Eject) may damage the data. No compensation will be given for any damaged data. (See Page 18.)**

NOTE
Some of the functions may not be available when vehicle is in motion.

■ Displaying the picture operations screen

1 Insert a different SD memory card that contains image data. (See Page 16.)

2 Display the picture operations screen.

- `Menu` (Menu):
  You can display a picture list or set a slide show.

- ◄◄ :
  Display the previous image.
  ►► :
  Display the next image.

- ► (or ❚❚):
  The slide show starts. Touch ❚❚ to stop the slide show.

- `Start-up Screen` (Start-up Screen):
  Register the displayed image data as the "Customized" opening screen setting.

- :
  Display the Audio/Multi screen. To display the picture operations screen again, touch .

- Touch the screen to show only the image on the display. To display the picture operations screen again, touch the screen.
<Picture screen display>

■ **Replacing the Opening screen with your own image data**

You can register image data (1 picture only) imported from an SD memory card as the "Customized" opening screen setting.

1 Insert an SD memory card that contains the image data. (See Page 16.)

2 Display the image that you want to set and touch Start-up Screen (Start-up Screen).

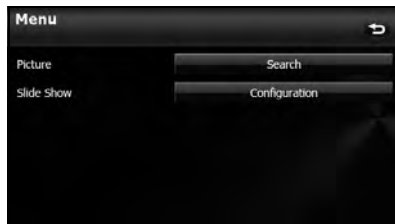**3** "Are you sure to overwrite the start-up screen?" appears on the screen. Touch Yes (Yes).

- The picture is registered as the "Customized" opening screen setting.

■ **Selecting an image file from the picture list**

You can select the image file that you want to view from a folder.

1 On the picture operations screen, touch Menu (Menu).

2 Touch Search (Search) in Picture.

3 Touch the folder that you want to use.

- If there are more pages, touch ▲ or ▼ to scroll the pages.
- Touch ↩ to return to the previous screen.

**4** Touch the file that you want to view.

- The selected file is displayed. Touch the displayed image to show it in a Picture screen display.
- If there are more pages, touch ▲ or ▼ to scroll the pages.
- Touch ↩ to return to the previous screen.

■ **Slide show setting**

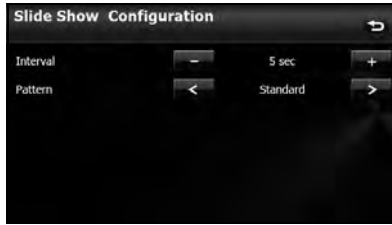On the Slide Show Configuration screen, you can set a slide show.

1 On the picture operations screen, touch Menu (Menu).

2 Touch Configuration (Configuration) in Slide Show.
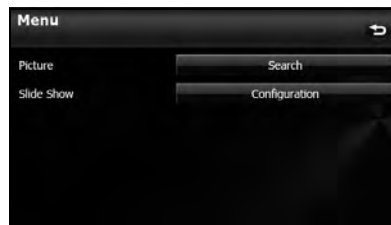
3 You can perform the following settings by touching the setting buttons for each item.

Interval setting

You can change the display interval of the slide show.

1 Touch ┌ + ┐ or ┌ - ┐.

- 5 sec ↔ 10 sec ↔ 15 sec

Pattern setting

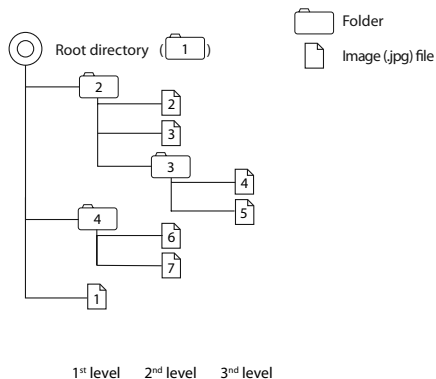You can change the pattern of the slide show.

1 Touch ┌ < ┐ or ┌ > ┐.

- Standard ↔ Effect 1 ↔ Effect 2 ↔ Effect 3 ↔ Effect 4 ↔ Random ↔ Standard ↔ ...

About the Supported Image Data

• •

About the supported image file standards

- Supported standards:
  jpg (does not support jpg2000)
- Supported file names:
  Supports single-byte characters (alphanumerics, symbols, kana) and double-byte characters (alphanumerics, symbols, Chinese characters, kana)
- Supported character code:
  UNICODE
- Number of characters that can be displayed:
  30 single-byte characters, 15 double-byte characters (+.jpg)

  * Only single-byte numbers, single-byte letters (upper case), "_" (underscore), symbols, Chinese characters (not all Chinese characters can be displayed)
  * Although more than 30 single-byte characters can be read, only 30 characters are displayed.
  * The .jpg extension is not displayed.
- Image data size:
  10 MB or less (per file)
- Number of images that can be imported from an SD memory card:
  500

<A configuration example of an jpg-supporting SD memory card>

Folder

Image (.jpg) file

Root directory (1)

1st level   2nd level   3nd level

NOTE

- When the image size is larger than horizontal 400 × vertical 234 dots, the original image is compressed to the standard size before display. The areas without an image are displayed as black bars.
- When the image size is smaller than horizontal 400 × vertical 234 dots, the image is displayed at the center of the display without changing the image size.

About Steering Wheel Switches

You can use these buttons to perform the main audio controls and other operations.

Compatibility with Steering Wheel Buttons
• •

The table below shows the compatibility between the steering wheel buttons and this unit.

Operation	Button	Name	Function	Explanation of operation
Common operations	(+) (-)	Volume button	When these buttons are pressed briefly, the volume changes by 1 step. When these buttons are pressed and held, the volume changes continuously.	(+): Increases the volume (in BT-TEL mode, the ringtone volume, call volume and readout volume or in voice recognition mode, the guidance volume). (-): Decreases the volume (in BT-TEL mode, the ringtone volume, call volume and readout volume or in voice recognition mode, the guidance volume).
	(MODE)	Mode selection button	• When this switch is pressed while the power is off, the power turns on. • The mode changes in the following order. FM → SAT → DISC* (CD, MP3/WMA) → USB/iPod* → BT-Audio* → AUX* → AM → returns to FM. • Ends voice recognition.	When the power is on, the mode changes each time (MODE) is pressed. Cannot be operated while making a calling, receiving a call, or talking in BT-TEL mode. On the voice recognition mode, press and hold (MODE) to end voice recognition.
	(🗣)	Voice recognition trigger	• Starts voice recognition. • Skips guidance voice, talkback voice, or help voice. • Ends voice recognition.	Press (🗣) briefly to start voice recognition. Press (🗣) during guidance voice, talkback voice, or help voice to skip the audio. Hold down (🗣) during voice recognition to close the voice recognition screen. Press (🗣) during voice recognition to close the voice recognition screen.

Operation	Button	Name	Function	Explanation of operation
AM / FM (HD included) radio operations	(∧) (∨)	Channel selection buttons	• Selects in order the stations saved in the memory. • Selects automatically the channel closest to the currently received frequency. • Selects in order the stations in the station list.	Press (∧) or (∨) briefly to select the stations in order. Press and hold (∧) or (∨) to start the automatic station selection operation. Keep pressing (∧) or (∨) to start SEEK to search a frequency quickly. The nearest broadcasting station from the frequency where the button was released can be received.
	(MODE)	Mode selection button	Mutes or cancels the mute.	Press and hold to mute or cancel the mute.
SAT radio operations	(∧) (∨)	Channel selection buttons	• Selects in order the channels saved in the memory. • Selects automatically the channel closest to the currently received frequency. • Selects in order the channels in the station list.	Press (∧) or (∨) briefly to select the channels in order. Press and hold (∧) or (∨) to start the automatic channel selection operation. Keep pressing (∧) or (∨) to start SEEK to search a frequency quickly. The nearest broadcasting channel from the frequency where the button was released can be received.
	(MODE)	Mode selection button	Mutes or cancels the mute.	Press and hold to mute or cancel the mute.
CD player operations[*1]	(∧) (∨)	Track selection buttons	• Selects the next track, previous track, or start of the current track. • Fast forwarding or fast reversing	Press (∧) or (∨) briefly to select the next or previous track. Press and hold (∧) or (∨) to fast forward or fast reverse the track.
	(MODE)	Mode selection button	Pauses or plays.	Press and hold to pause or play.

Operation	Button	Name	Function	Explanation of operation
MP3/WMA player operations[*1]	(∧) (∨)	File selection buttons	• Selects the next file, previous file, or start of the current file. • Selects the next or previous folder.	Press (∧) or (∨) briefly to select the next or previous file. Press and hold (∧) or (∨) to select the next or previous folder.
	(MODE)	Mode selection button	Pauses or plays.	Press and hold to pause or play.
USB operations[*1]	(∧) (∨)	File selection buttons	• Selects the next file, previous file, or start of the current file. • Selects the next or previous folder.	Press (∧) or (∨) briefly to select the next or previous file. Press and hold (∧) or (∨) to select the next or previous folder.
	(MODE)	Mode selection button	Pauses or plays.	Press and hold to pause or play.
iPod and BT-Audio operations[*1]	(∧) (∨)	Track selection buttons	• Selects the next track, previous track, or start of the current track. • Fast forwarding or fast reversing	Press (∧) or (∨) briefly to select the next or previous track. Press and hold (∧) or (∨) to fast forward or fast reverse the track.
	(MODE)	Mode selection button	Pauses or plays.	Press and hold to pause or play.
AUX operations[*1]	(MODE)	Mode selection button	Mutes or cancels the mute.	Press and hold to mute or cancel the mute.

Operation	Button	Name	Function	Explanation of operation
BT-TEL operations[*1]	(☎)	On Hook	• Ending a call. • Canceling a call. • Refuse the incoming call. • Holding the incoming call.[*2]	Press ☎ briefly to end a call or cancel a call. Press and hold ☎ to end the all call. When in incoming call, press ☎ briefly to hold the incoming call.
	(☎)	Off Hook	• Selects the telephone mode. • Making a call. • Receiving the incoming call. • Connecting the call on hold.	Press ☎ briefly to make or receive a call. When in a different mode, changes to the telephone mode. On the incoming call on hold, press ☎ briefly to receive a call.
	(MODE)	Mode selection button	Mutes or cancels the mute.	Press and hold to mute or cancel the mute.

*1 Enabled only when operation is possible
*2 The Holding function is only available on the operation on the cell phone side.

Voice Control System Operations

About the Voice Control System

By using the voice control system (voice input microphone and button), you can perform navigation and audio operation by saying voice commands. This enables you to use functions that are usually inoperable while driving.

The voice control system may not recognize the voice command if you do not say it correctly.

Be aware of the following points that will assist correct recognition.
- Speak after you hear the "beep". If you speak before or at the same time as the "beep", your command will not be recognized.
- Speak in a loud and clear voice.
- Some voices may be difficult to recognize.
- Keep the windows closed as much as possible while speaking. Noise such as wind or other external sounds may prevent correct recognition. Also, if the air conditioner fan is too loud, it may prevent correct recognition.
- The system does not support regional variations or alternative phrases. Be sure to say the specified phrases.

Under the following conditions, the voice recognition mode will be turned off:
- Within 8 seconds after guidance, talkback or help voice finishes playing, no voice is recognized.
  (When the screen is operated, counting of 8 seconds starts again after the screen is touched.)
- The button is pressed and held.
- The Steering button or Hard button (excluding the Voice Recognition button) is pressed.
- A call is received.

NOTE
When voice recognition is started, the current audio output is muted or paused.

Using the Voice Control System

• •

When the voice control system is activated, you may speak the controls displayed on the screen, or you may touch the corresponding button.

NOTE
For the following instructions found in this manual, we will use "000" as a placeholder for the command text available on your actual system. "000" is only for demonstration purposes.

1 Press ⬚.

• The screen changes to the Main Menu.

"Voice recognition on" mark
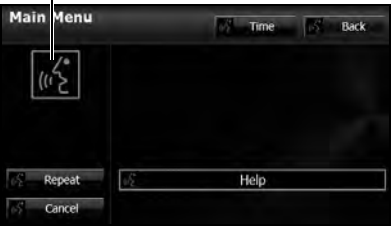
• ⬚⬚⬚ 000 ⬚⬚⬚:
  "○○○" or touch the button.

• ⬚⬚ 000 ⬚⬚:
  Operate by saying "○○○".

2 After the "Voice command please." voice guidance, a "beep" sounds.

3 Say the operation command.

• After you hear the "beep", speak or operate the screen while a "recognition mark (green-faced icon)" is displayed (within approx. 8 seconds).

• If you said the wrong command or the recognition result is incorrect, cancel the operation by saying "Cancel" after the talkback voice finishes playing.

Recognition result

- When the [🎤] button is pressed while guidance voice, talkback voice or help voice is being played, you can skip the voice guidance.
- When you say "Help" while the Main Menu is displayed, a list of the currently usable commands appears on the screen.

NOTE

A caution display appears after pressing [🎤] (Main Unit/Steering Wheel Switch) while a Bluetooth device, USB device or iPod is connected, and the stored data is being read. Be sure to start the operation after the caution display disappears.

Displaying the Command List
• •

You can display a list of the usable commands on the screen.

1 Press [🎤].

- The screen changes to the Main Menu, and after the "Voice command please." voice guidance, a "beep" sounds.

2 Say "Help".

- The command list appears.
- If there are more pages, touch [▲] or [▼] to scroll the list.

- Change (Change):
  Display the next page of the command list.
  AV Operation (AV Operation):
  Display the command list for the current audio operation. (Only when an audio source is being used.)
  AV Source (AV Source):
  Display the audio source command list.
  Phone (Phone):
  Display the handsfree operation command list. (Only during handsfree connection.)
  Navigation (Navigation):
  Display the navigation operation command list.

3 Check the command that you want to use in the command list.

- You can perform the operation by saying the displayed command.

Examples of Using the Voice Control System

• •

This section describes examples of operating the voice control system. For the voice commands, see "Voice Command Lists" on Page 298.

The notations used in the commands are as follows.
- <○○○>: Commands to be spoken
- → ○○○: Names to be spoken

■ Changing the audio mode

1 Perform a voice input for the audio mode to which you want to change. (USB in this example.)

- Say "USB".
- The mode changes to USB.

■ Changing the radio frequency

1 Say "Seek up".

- The current frequency switches to the next receivable frequency.
- Saying "Seek down" switches the current frequency to the previous receivable frequency.

■ Changing the preset channel

1 Say "Preset 1".

- The current frequency switches to the frequency registered in the preset channel 1.
- Up to 6 preset channels can be changed.

■ Changing the frequency

(AM radio frequency is used as an example of changing frequencies.)

1 Say "Frequency 522".

- The current frequency switches to 522 kHz.
- For the rules of frequencies, see "Radio Frequency Lists" on Page 316.

■ Changing the channel

1 Say "Channel 100".

- The current channel switches to 100 ch.
- For the rules of channels, see "XM Channel Lists" on Page 320.

■ Changing the currently playing track

1 Say "Track up".

- The playback changes to the next track.
- Say "Track down" to change the playback to the previous track or start of the track.

■ Changing the currently playing track number

1 Say "Track 1".

- The currently playing track number switches to track 1 .

■ Calling the list screen

1 Say "Show list".

- The screen changes to the list screen.

■ Changing the currently playing folder

1 Say "Folder up".

- The playback changes to the start of the next folder.
- Say "Folder down" to change the playback to the start of the previous folder.

■ **Specifying a folder**

(Switching USB folders)

1 Say "Folder".

- After you hear "Folder" spoken back to you, the current mode changes to the folder specification mode.
(The screen also changes.)

2 After the voice guidance, say the name of the folder that you want to play.

- Starting from the first track of the specified folder, all tracks in the folder will be switched from one to the next after your voice command.

* iPod mode allows you to specify the desired music track from artist, genre or playlist.

* A maximum of 1000 music tracks can be specified (when specifying from genre or playlist, a maximum of 100).

■ **Making a call with the phone book**

1 Say "Phone".

- After you hear "Hands-Free" spoken back to you, the current mode changes to the hands-free menu mode.
(The screen also changes.)

2 After the voice guidance, say "Call <Name>".

- If there are multiple candidates, follow the voice guidance and say a list number.
- If there are multiple telephone numbers, follow the voice guidance and say a location.
- Under the following conditions, some of registered names and telephone numbers will be deleted from the multiple candidates.
- When multiple registered names of completely identical characters are found, the first name to be found will be the candidate.
- When there are multiple identical locations registered in one phone book, the first location to be found will be the candidate.

3 After notifying the name of the person you want to call by the voice guidance, if you hear the name of the right person spoken back to you, say "Yes".

- A call is made to the selected person's telephone number.
- If the name of the selected person is wrong, say "No".

■ Using the speed dial to make a call

1 Say "Hands-Free".

- • After you hear "Hands-Free" spoken back to you, the current mode changes to the hands-free menu mode.
  (The screen also changes.)

2 Say "Speed Dial 1".

- • The candidate registered in the Speed Dial 1 will be selected.

3 After notifying the number of the Speed Dial by the voice guidance, if you hear the name of the right person spoken back to you, say "Yes".

- • A call is made to the selected Speed Dial number.
- • If the number of the selected Speed Dial is wrong, say "No".

■ Using the Dial to make a call

1 Say "Hands-Free".

- • After you hear "Hands-Free" spoken back to you, the current mode changes to the hands-free menu mode.
  (The screen also changes.)

2 Say "Dial".

- • After you hear "Dial" spoken back to you, the current mode changes to the dial calling mode.

3 Say "123" (dial number).

- • The dial calling mode allows you to say the desired dial number with any number of digit at a time.

4 Notify "123" by voice command.

- • When adding a dial number, speak the number you want to add as in step 3.
  (Notify the added dial number by voice command.)
- • When you dial the wrong number, speak "Delete" to delete the digits of the number that you spoke last.
  (After the delete, notify all of the remaining dial number.)

5 Say "Call".

- • A call is made to the selected dial number.

Voice Command Lists

• •

The navigation or audio control function enables you to operate the navigation or audio system by voice, using the voice input microphone and button. This section shows the voice command lists for voice control operations.

The notations used in the commands are as follows.
- [○○○]: Commands that need not to be spoken
- <○○○>: Numbers or names to be spoken
- →○○○: Commands to be spoken after the voice guidance

■ Commands for changing the audio mode

Enabled in all screens.

Voice command	Phrase	Function
AM	[*Play*] **AM**	Sets to AM mode
FM	[*Play*] **FM**	Sets to FM mode
SAT	[*Play*] **Satellite radio**	Sets to SAT mode
CD*	[*Play*] **CD**	Sets to CD mode
USB*	[*Play*] **USB**	Sets to USB mode
iPod*	[*Play*] **iPod**	Sets to iPod mode
BTA	[*Play*] **Bluetooth audio,** [*Play*] **BTA**	Sets to Bluetooth audio mode
AUX*	[*Play*] **Auxiliary**, [*Play*] **ox,** [*Play*] **AUX**	Sets to AUX mode
Audio OFF	**Audio off**	Turns the audio system off

Voice command	Phrase	Function
Radio	**Radio**	Sets to radio mode (Changes to the last mode used: FM, AM, or satellite radio.)

* Enabled only when operation is possible

■ Command for changing to the handsfree mode

Enabled in all screens.

Voice command	Phrase	Function
Phone	**Handsfree, Phone**	Sets to handsfree mode

■ Command for changing to the navigation mode

Enabled in all screens.

Voice command	Phrase	Function
Navigation	**Navigation**	Changes to the Navigation screen

■ **Commands available with AM radio**

Enabled when the audio mode is AM radio.

Voice command	Phrase	Function
Seek up	**Seek up**	Tunes in the higher frequency direction
Seek down	**Seek down**	Tunes in the lower frequency direction
AM frequency	**Frequency <Frequency>**	Tunes using a frequency
AM preset number	**Preset <Number>**	Tunes using a preset number

■ **Commands available with FM radio**

Enabled when the audio mode is FM radio.

Voice command	Phrase	Function
Seek up	**Seek up**	Tunes in the higher frequency direction
Seek down	**Seek down**	Tunes in the lower frequency direction
FM frequency	**Frequency <Frequency>**	Tunes using a frequency
FM preset number	**Preset <Number>**	Tunes using a preset number
FM	**FM**	Changes the band

■ **Commands available with SAT radio**

Enabled when the audio mode is SAT radio.

Voice command	Phrase	Function
SAT search channel	**Channel <Number>**	Tunes using a channel number
SAT preset number	**Preset <Number>**	Tunes using a preset number
Search type	**Type <pop, rock, classical, more music channels, latin & world, dance & electronic, jazz, blues & standards, christian, country, hip-hop, r & b, sports, talk, news & npr, entertainment, family & health, religion, comedy, traffic & weather>**	Tunes using a type
SAT	**Satellite radio**	Changes the band

* Some commands may not be recognized depending on the convenience of SAT radio station.

■ Commands available with CD operation

Enabled when the audio mode is CD.

Voice command	Phrase	Function
Track up	**Next track, Track up**	Selects the next track
Track down	**Previous track, Track down**	Selects the current track (cues)
Show list	**Show list**	Displays the list screen
Track number	**Track <Number>**	Selects using a track number

■ Commands available with MP3/WMA and Bluetooth audio

Enabled when the audio mode is MP3/WMA or Bluetooth audio.

Voice command	Phrase	Function
Track up	**Next track, Track up**	Selects the next track
Track down	**Previous track or Track down**	Selects the current track (cues)
Folder up	**Next folder, Folder up**	Plays from the start of the next folder
Folder down	**Previous folder, Folder down**	Plays from the start of the previous folder
Show list	**Show list**	Displays the list screen

■ Commands available with USB

Enabled when the audio mode is USB.

Voice command	Phrase	Function
Track up	**Next track, Track up**	Selects the next track
Track down	**Previous track, Track down**	Selects the current track (cues)
Folder up	**Next folder or Folder up**	Plays from the start of the next folder
Folder down	**Previous folder, Folder down**	Plays from the start of the previous folder
Show list	**Show list**	Displays the list screen
Search folder	**Folder → <Folder Name>**	Searches for a folder

■ Commands available with iPod

Enabled when the audio mode is iPod.

Voice command	Phrase	Function
Track up	**Next track, Track up**	Selects the next track
Track down	**Previous track, Track down**	Selects the current track (cues)
Folder up	**Next folder or Folder up**	Plays from the start of the next playlist
Folder down	**Previous folder, Folder down**	Plays from the start of the previous playlist
Show list	**Show list**	Displays the list screen
Search artist	**Artist ➜ <Artist Name>**	Searches using an artist
Search genre	**Genre ➜ <Genre Name>**	Searches using a genre
Search playlist	**Playlist ➜ <Playlist Name>**	Searches using a playlist
Shuffle On/Off	**Shuffle**	Plays randomly

■ Commands available in handsfree mode

Enabled when the audio mode is handsfree.

Voice command	Phrase	Function
Call name	**Call <Phone Name> ➜ <1~3> ➜ <Home, Work, Mobile, Other> ➜ <Yes, Yeah, Yep>, <No, Nope>**	Makes a call by using the phone book
Call name location	**Call <Phone Name> <Home, Work, Mobile, Other> ➜ <Yes, Yeah, Yep>, <No, Nope>**	Makes a call by using the phone book and specifying a location
Speed dial	**Speed dial ➜ <Number> ➜ <Yes, Yeah, Yep>, <No, Nope>**	Makes a call by using the Speed dial list
	Speed dial <Number> ➜ <Yes, Yeah, Yep>, <No, Nope>	Makes a call by specifying a speed dial number
History	**History ➜ Outgoing [*Call*], Incoming [*Call*] ➜ <Number> ➜ <Yes, Yeah, Yep>, <No, Nope>**	Makes a call by using the call history

Voice command	Phrase	Function
Dial number	**Dial <Number(0~9, Plus, Hash or Star)> ➜ Call, Delete**	Makes a call by entering a telephone number
	Dial [*Number*] **➜ <Number(0~9, Plus, Hash, Star)> ➜ Call**, **Delete**	
Redial	**Redial ➜ <Yes, Yeah, Yep>, <No, Nope>**	Makes a call by using the outgoing call history

- If there are multiple candidates in the phone book, up to 3 are read out in a list.
- If there are multiple names that match exactly, the first candidate to be found is read out.
- If there are locations of the same name in the phone book, the first candidate to be found is read out.

■ Commands available in navigation mode

Enabled when the audio mode is navigation.

NOTE

- Do not press [⚏] (Main Unit/Steering Wheel Switch) without pressing the "I Agree" button on the Caution screen. Otherwise, Navigation commands cannot be used.

Quick Commands

Voice command	Phrase	Function
Accommodation*	**Accommodation**	Narrows down POI search targets to accommodations
Accommodation along route	**Accommodation along route**	Searches for accommodations along the route
Accommodation at my destination	**Accommodation at my destination**	Searches for accommodations around the destination
Accommodation near here	**Accommodation near here**	Searches for accommodations around the current position
Address	**Address**	Transits to the screen that allows you to search for the destination by reading the address
Avoid	**Avoid**	Transits to the screen that allows you to set detour routes
Delete route	**Delete route**	Deletes the route that has been set
Favorite	**Favorite**	Selects the conditions to set the destination from your favorite spots
Find	**Find**	Transits to the destination search screen
Help	**Help**	Transits to the voice recognition mode's help screen

Voice command	Phrase	Function
History	**History**	Sets the destination from the search history results
Info	**Info**	Reads the route information that has been set (after the voice recognition mode is turned off)
More	**More**	Transits to the information list reception screen
Parking[*]	**Parking**	Narrows down POI search targets to parking lots
Parking along route	**Parking along route**	Searches for parking lots along the route
Parking at my destination	**Parking at my destination**	Searches for parking lots around the destination
Parking near here	**Parking near here**	Searches for parking lots around the current position
Place	**Place**	Selects POI search as the destination search method (POI search method searches only for petrol stations, accommodations, parking lots and restaurants.)
Gas station[*]	**Gas station**	Narrows down POI search targets to gas stations
Gas station along route	**Gas station along route**	Searches for gas stations along the route
Gas station at my destination	**Gas station at my destination**	Searches for gas stations around the destination
Gas station near here	**Gas station near here**	Searches for gas stations around the current position

Voice command	Phrase	Function
Restaurant[*]	**Restaurant**	Narrows down POI search targets to restaurants
Restaurant along route	**Restaurant along route**	Searches for restaurants along the route
Restaurant at my destination	**Restaurant at my destination**	Searches for restaurants around the destination
Restaurant near here	**Restaurant near here**	Searches for restaurants around the current position
Route	**Route**	Transits to the route editing screen
Where am i	**Where am i**	Displays the vehicle position information

* Searches for candidates close to your vehicle's position.

Full Commands

Voice command	Phrase	Function
Accept	**Accept**	Accepts questions (such as talkback)
Accommodation along route	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Accommodation** [*along* , *around* , *near* , *on*] [*the*] **route**	Searches for accommodations along the route
	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Hotel** [*along* , *around* , *near* , *on*] [*the*] **route**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Motel** [*along* , *around* , *near* , *on*] [*the*] **route**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Guest house** [*along* , *around* , *near* , *on*] [*the*] **route**	
Accommodation at my destination	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Accommodation** [*at* , *near*] [*my* , *the*] **destination**	Searches for accommodations around the destination
	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Hotel** [*at* , *near*] [*my* , *the*] **destination**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Motel** [*at* , *near*] [*my* , *the*] **destination**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a* , *an*] **Guest house** [*at* , *near*] [*my* , *the*] **destination**	

Voice command	Phrase	Function
Accommodation near here	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Accommodation** [*near*] **here**	Searches for accommodations around the current position
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Accommodation nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Accommodation around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Accommodation in the <neighborhood, vicinity, area>**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Hotel** [*near*] **here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Hotel nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Hotel around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Hotel in the <neighborhood, vicinity, area>**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Hotel around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Hotel in the <neighborhood, vicinity, area>**	
Accommodation[*]	[*Find* , *Go to* , *Search for* , *Look for*] **Accommodation**	Narrows down POI search targets to accommodations
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Motel**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Hotel**	
Address	[*Find* , *Go to* , *Search for* , *Look for*] [*an*] **Address**	Transits to the screen that allows you to search for the destination by reading the address
Along route	**Along route**	Narrows down the selected POI search candidates to places along the route
	On route	
	On the way	
	Along the way	
At my destination	[*At* , *Near* , *Close to* , *Around*] [*my* , *the*] **Destination**	Narrows down the selected POI search candidates to places around the destination

Voice command	Phrase	Function
Avoid	**Avoid**	Transits to the screen that allows you to set detour routes
	Bypass	
Back	**Back**	Transits to the previous screen
Bottom	[*Go* , *Jump* , *Move* , *Scroll*] [*to*] [*the*] **Bottom**	Transits to the bottom of the list
Cancel	**Cancel**	Exits from the voice recognition mode and transits to the map, main or other menu.
Change city	**Change** [*the*] **city**	Changes the city name in the address currently being recognized (in the voice recognition mode)
	Change [*the*] **town**	
Change house number	**Change** [*the*] **house number**	Changes the house number in the address currently being recognized (in the voice recognition mode)
Change street in line 1	**Change** [*the*] **street in line 1**	Changes the city name listed in the first line of the list and currently being recognized (on the screen that allows you to select a list when addresses are recognized in the voice recognition mode)
Change street in line 2	**Change** [*the*] **street in line 2**	Changes the city name listed in the second line of the list and currently being recognized (on the screen that allows you to select a list when addresses are recognized in the voice recognition mode)

Voice command	Phrase	Function
Change street in line 3	**Change** [*the*] **street in line 3**	Changes the city name listed in the third line of the list and currently being recognized (on the screen that allows you to select a list when addresses are recognized in the voice recognition mode)
Change street in line 4	**Change** [*the*] **street in line 4**	Changes the city name listed in the fourth line of the list and currently being recognized (on the screen that allows you to select a list when addresses are recognized in the voice recognition mode)
Change street	**Change** [*the*] **street**	Changes the street name in the address currently being recognized (in the voice recognition mode)
Delete route	**Delete** [*my* , *the*] **route**	Deletes the route that has been set
Delete	**Delete**	
Destination	**Destination**	Sets the selected route as the destination
Down	[*Page* , *Scroll* , *Move*] **Down**	Moves the list on the list screen one page down
Favorite	[*Find* , *Select* , *Search for* , *Look for*] [*a*] **Favorite**	Selects the conditions to set the destination from your favorite spots
	[*Find*] **Favorites**	
Find	**Find**	Transits to the destination search screen
	Go to	
	Search [*for*]	
	Look for	

Voice command	Phrase	Function
Go map	[*Go*] [*to*] [*the*] **Map** [*screen*]	Transits to the Map screen
	Show [*me*] [*the*] **map**	
Go	**Go**	Reflects the selected route and starts the navigation guidance
Half	**Half**	Reduces the detour distance set on the avoid route screen by half
Help	**Help**	Transits to the voice recognition mode's help screen
History	[*Find*] [*in*] **History**	Sets the destination from the search history results
House number	**House number**	Transits to the house number reception screen (when searching for the address)
	Street number	
Less	**Less**	Reduces the detour distance set (on the avoid route screen)
Line 1	[*Line*] **1**	Selects the item listed in the first line of the list (on the screen where the list is displayed)
	First [*line*]	
Line 2	[*Line*] **2**	Selects the item listed in the second line of the list (on the screen where the list is displayed)
	Second [*line*]	
Line 3	[*Line*] **3**	Selects the item listed in the third line of the list (on the screen where the list is displayed)
	Third [*line*]	
Line 4	[*Line*] **4**	Selects the item listed in the fourth line of the list (on the screen where the list is displayed)
	Fourth [*line*]	

Voice command	Phrase	Function
Middle	[*Go* , *Jump* , *Move* , *Scroll*] [*to*] [*the*] **Middle**	Transits to the middle of the list (on the screen where the list is displayed)
More	**More**	Transits to the information list reception screen
Near here	[*Near*] **Here**	Narrows down the selected POI search candidates to places along the route
	Nearby	
	Around here	
	In the neighborhood	
New route	**New route**	Registers the selected destination as a new destination
Next	**Next**	Transits to the next screen
No	**No**	Rejects questions or other contents spoken to you
	Nope	
	Nop	
Parking along route	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*] [*along* , *around* , *near* , *on*] [*the*] **route**	Searches for parking lots along the route
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park** [*lot*] [*along* , *around* , *near* , *on*] [*the*] **route**	
Parking at my destination	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*] [*at* , *near*] [*my* , *the*] **destination**	Searches for parking lots around the destination
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park** [*at* , *near*] [*my* , *the*] **destination**	

Voice command	Phrase	Function
Parking near here	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*] [*near*] **here**	Searches for parking lots around the current position
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*] **nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*] **around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*] **in the <neighborhood, vicinity, area>**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park** [*near*] **here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park in the <neighborhood, vicinity, area>**	
Parking[*]	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Parking** [*lot*]	Narrows down POI search targets to parking lots
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Car park**	
Gas station along route	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Gas station** [*along* , *around* , *near* , *on*] [*the*] **route**	Searches for gas stations along the route
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*] [*along* , *around* , *near* , *on*] **[*the*] route**	
Gas station at my destination	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Gas station** [*at* , *near*] [*my* , *the*] **destination**	Searches for gas stations around the destination
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*] [*at* , *near*] [*my* , *the*] **destination**	
Gas station near here	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Gas station** [*near*] **here**	Searches for gas stations around the current position
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*] [*near*] **here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*] **nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Gas station nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*] **around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*] **in the <neighborhood, vicinity, area>**	

Voice command	Phrase	Function
Gas station[*]	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Gas station**	Narrows down POI search targets to gas stations
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Petrol** [*station*]	
Place	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Place**	Selects POI search as the destination search method (POI search method searches only for petrol stations, accommodations, parking lots and restaurants.)
	[*Find* , *Go to* , *Search for* , *Look for*] **Places**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Point of interest**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **P O I**	
Read out	**Read** [*it*] **out**	Reads the search results on the list displayed on the screen
Restaurant along route	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant** [*along* , *around* , *near* , *on*] [*the*] **route**	Searches for restaurants along the route
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Food** [*along* , *around* , *near* , *on*] [*the*] **route**	
Restaurant at my destination	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant at** [*my* , *the*] **destination**	Searches for restaurants around the destination
	[*Find* , *Go to* , *Search for* , *Look for*] **Food** [*at* , *near*] [*my* , *the*] **destination**	
Restaurant near here	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant** [*near*] **here**	Searches for restaurants around the current position
	[*Find* , *Go to* , *Search for* , *Look for*] **Food** [*near*] **here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] **Food nearby**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] **Food around here**	
	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant in the <neighborhood, vicinity , area>**	
	[*Find* , *Go to* , *Search for* , *Look for*] **Food in the <neighborhood, vicinity , area>**	
Restaurant[*]	[*Find* , *Go to* , *Search for* , *Look for*] [*a*] **Restaurant**	Narrows down POI search targets to restaurants
	[*Find* , *Go to* , *Search for* , *Look for*] **Food**	

Voice command	Phrase	Function
Route info	**Route info**	Reads the route information that has been set (after the voice recognition mode is turned off)
	Route information	
	Route summary	
Info	**Info**	
	Information	
Route	[*My*] **Route**	Transits to the route editing screen
Street center	[*Street*] **Center**	Sets the center of the street as the address (when addresses are recognized in the voice recognition mode)
	[*Street*] **Midpoint**	
Top	[*Go* , *Jump* , *Move* , *Scroll*] [*to*] [*the*] **Top**	Transits to the top of the list (on the screen where the list is displayed)
Up	[*Page* , *Scroll* , *Move*] **Up**	Moves the list one page up (on the screen where the list is displayed)
Waypoint	**Waypoint**	Registers the selected destination as a relay point
Where am i	**Where am i**	Displays the vehicle position information (When there is a self-car location in the location besides the road, this function can't be used.)
Yes	**Yes**	Accepts questions or other contents spoken to you
	Yep	
	Yeah	

* Searches for candidates close to your vehicle's position.
• Commands on the touch screen that cannot be operated have their colors toned down.

■ **Other Commands**

Enabled in the Main Menu.

Voice command	Phrase	Function
Time	[*What's the*] **Time, What time is it now**	Reads out the current time
Cancel	**Cancel**	Closes the voice recognition screen
Help	**Help**	Displays the help screen
Back	[*Go*] **Back**	Returns to the previous screen
Repeat	**Repeat**	Repeats the guidance voice
Change	**Change, Next**	Changes the display screen

■ Radio Frequency Lists

AM frequency:

Frequency (530~1710)	Rule
530	five thirty
540	five forty
550	five fifty
560	five sixty
570	five seventy
580	five eighty
590	five ninety
600	six hundred
610	six ten
620	six twenty
630	six thirty
640	six forty
650	six fifty
660	six sixty
670	six seventy
680	six eighty
690	six ninety
700	seven hundred
710	seven ten
720	seven twenty
730	seven thirty

Frequency (530~1710)	Rule
740	seven forty
750	seven fifty
760	seven sixty
770	seven seventy
780	seven eighty
790	seven ninety
800	eight hundred
810	eight ten
820	eight twenty
830	eight thirty
840	eight forty
850	eight fifty
860	eight sixty
870	eight seventy
880	eight eighty
890	eight ninety
900	nine hundred
910	nine ten
920	nine twenty
930	nine thirty
940	nine forty
950	nine fifty
960	nine sixty
970	nine seventy

Frequency (530~1710)	Rule
980	nine eighty
990	nine ninety
1000	one thousand
1010	ten ten
1020	ten twenty
1030	ten thirty
1040	ten forty
1050	ten fifty
1060	ten sixty
1070	ten seventy
1080	ten eighty
1090	ten ninety
1100	eleven hundred
1110	eleven ten
1120	eleven twenty
1130	eleven thirty
1140	eleven forty
1150	eleven fifty
1160	eleven sixty
1170	eleven seventy
1180	eleven eighty
1190	eleven ninety
1200	twelve hundred
1210	twelve ten

Frequency (530~1710)	Rule
1220	twelve twenty
1230	twelve thirty
1240	twelve forty
1250	twelve fifty
1260	twelve sixty
1270	twelve seventy
1280	twelve eighty
1290	twelve ninety
1300	thirteen hundred
1310	thirteen ten
1320	thirteen twenty
1330	thirteen thirty
1340	thirteen forty
1350	thirteen fifty
1360	thirteen sixty
1370	thirteen seventy
1380	thirteen eighty
1390	thirteen ninety
1400	fourteen hundred
1410	fourteen ten
1420	fourteen twenty
1430	fourteen thirty
1440	fourteen forty
1450	fourteen fifty

Frequency (530~1710)	Rule
1460	fourteen sixty
1470	fourteen seventy
1480	fourteen eighty
1490	fourteen ninety
1500	fifteen hundred
1510	fifteen ten
1520	fifteen twenty
1530	fifteen thirty
1540	fifteen forty
1550	fifteen fifty
1560	fifteen sixty
1570	fifteen seventy
1580	fifteen eighty
1590	fifteen ninety
1600	sixteen hundred
1610	sixteen ten
1620	sixteen twenty
1630	sixteen thirty
1640	sixteen forty
1650	sixteen fifty
1660	sixteen sixty
1670	sixteen seventy
1680	sixteen eighty
1690	sixteen ninety

Frequency (530~1710)	Rule
1700	seventeen hundred
1710	seventeen ten

FM frequency:

Frequency (87.7~107.9)	Rule
87.7	eighty seven [point] seven
87.9	eighty seven [point] nine
88.1	eighty eight [point] one
88.3	eighty eight [point] three
88.5	eighty eight [point] five
88.7	eighty eight [point] seven
88.9	eighty eight [point] nine
89.1	eighty nine [point] one
89.3	eighty nine [point] three
89.5	eighty nine [point] five
89.7	eighty nine [point] seven
89.9	eighty nine [point] nine
90.1	ninety point one
90.3	ninety point three
90.5	ninety point five
90.7	ninety point seven
90.9	ninety point nine
91.1	ninety one [point] one
91.3	ninety one [point] three
91.5	ninety one [point] five
91.7	ninety one [point] seven
91.9	ninety one [point] nine

Frequency (87.7~107.9)	Rule
92.1	ninety two [point] one
92.3	ninety two [point] three
92.5	ninety two [point] five
92.7	ninety two [point] seven
92.9	ninety two [point] nine
93.1	ninety three [point] one
93.3	ninety three [point] three
93.5	ninety three [point] five
93.7	ninety three [point] seven
93.9	ninety three [point] nine
94.1	ninety four [point] one
94.3	ninety four [point] three
94.5	ninety four [point] five
94.7	ninety four [point] seven
94.9	ninety four [point] nine
95.1	ninety five [point] one
95.3	ninety five [point] three
95.5	ninety five [point] five
95.7	ninety five [point] seven
95.9	ninety five [point] nine
96.1	ninety six [point] one
96.3	ninety six [point] three
96.5	ninety six [point] five
96.7	ninety six [point] seven

Frequency (87.7~107.9)	Rule
96.9	ninety six [point] nine
97.1	ninety seven [point] one
97.3	ninety seven [point] three
97.5	ninety seven [point] five
97.7	ninety seven [point] seven
97.9	ninety seven [point] nine
98.1	ninety eight [point] one
98.3	ninety eight [point] three
98.5	ninety eight [point] five
98.7	ninety eight [point] seven
98.9	ninety eight [point] nine
99.1	ninety nine [point] one
99.3	ninety nine [point] three
99.5	ninety nine [point] five
99.7	ninety nine [point] seven
99.9	ninety nine [point] nine
100.1	one hundred point one
100.3	one hundred point three
100.5	one hundred point five
100.7	one hundred point seven
100.9	one hundred point nine
101.1	one oh one [point] one
101.3	one oh one [point] three
101.5	one oh one [point] five

Frequency (87.7~107.9)	Rule
101.7	one oh one [point] seven
101.9	one oh one [point] nine
102.1	one oh two [point] one
102.3	one oh two [point] three
102.5	one oh two [point] five
102.7	one oh two [point] seven
102.9	one oh two [point] nine
103.1	one oh three [point] one
103.3	one oh three [point] three
103.5	one oh three [point] five
103.7	one oh three [point] seven
103.9	one oh three [point] nine
104.1	one oh four [point] one
104.3	one oh four [point] three
104.5	one oh four [point] five
104.7	one oh four [point] seven
104.9	one oh four [point] nine
105.1	one oh five [point] one
105.3	one oh five [point] three
105.5	one oh five [point] five
105.7	one oh five [point] seven
105.9	one oh five [point] nine
106.1	one oh six [point] one
106.3	one oh six [point] three

Frequency (87.7~107.9)	Rule
106.5	one oh six [point] five
106.7	one oh six [point] seven
106.9	one oh six [point] nine
107.1	one oh seven [point] one
107.3	one oh seven [point] three
107.5	one oh seven [point] five
107.7	one oh seven [point] seven
107.9	one oh seven [point] nine

■ XM Channel Lists

Channel (1~255)	Rule
1	one
2	two
3	three
4	four
5	five
6	six
7	seven
8	eight
9	nine
10	ten
11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen
20	twenty
21	twenty one
22	twenty two

Channel (1~255)	Rule
23	twenty three
24	twenty four
25	twenty five
26	twenty six
27	twenty seven
28	twenty eight
29	twenty nine
30	thirty
31	thirty one
32	thirty two
33	thirty three
34	thirty four
35	thirty five
36	thirty six
37	thirty seven
38	thirty eight
39	thirty nine
40	forty
41	forty one
42	forty two
43	forty three
44	forty four
45	forty five
46	forty six

Channel (1~255)	Rule
47	forty seven
48	forty eight
49	forty nine
50	fifty
51	fifty one
52	fifty two
53	fifty three
54	fifty four
55	fifty five
56	fifty six
57	fifty seven
58	fifty eight
59	fifty nine
60	sixty
61	sixty one
62	sixty two
63	sixty three
64	sixty four
65	sixty five
66	sixty six
67	sixty seven
68	sixty eight
69	sixty nine
70	seventy

Channel (1~255)	Rule
71	seventy one
72	seventy two
73	seventy three
74	seventy four
75	seventy five
76	seventy six
77	seventy seven
78	seventy eight
79	seventy nine
80	eighty
81	eighty one
82	eighty two
83	eighty three
84	eighty four
85	eighty five
86	eighty six
87	eighty seven
88	eighty eight
89	eighty nine
90	ninety
91	ninety one
92	ninety two
93	ninety three
94	ninety four

Channel (1~255)	Rule
95	ninety five
96	ninety six
97	ninety seven
98	ninety eight
99	ninety nine
100	one hundred
101	one oh one
102	one oh two
103	one oh three
104	one oh four
105	one oh five
106	one oh six
107	one oh seven
108	one oh eight
109	one oh nine
110	one ten
111	one eleven
112	one twelve
113	one thirteen
114	one fourteen
115	one fifteen
116	one sixteen
117	one seventeen
118	one eighteen

Channel (1~255)	Rule
119	one nineteen
120	one twenty
121	one twenty one
122	one twenty two
123	one twenty three
124	one twenty four
125	one twenty five
126	one twenty six
127	one twenty seven
128	one twenty eight
129	one twenty nine
130	one thirty
131	one thirty one
132	one thirty two
133	one thirty three
134	one thirty four
135	one thirty five
136	one thirty six
137	one thirty seven
138	one thirty eight
139	one thirty nine
140	one forty
141	one forty one
142	one forty two

Channel (1~255)	Rule	Channel (1~255)	Rule	Channel (1~255)	Rule
143	one forty three	167	one sixty seven	191	one ninety one
144	one forty four	168	one sixty eight	192	one ninety two
145	one forty five	169	one sixty nine	193	one ninety three
146	one forty six	170	one seventy	194	one ninety four
147	one forty seven	171	one seventy one	195	one ninety five
148	one forty eight	172	one seventy two	196	one ninety six
149	one forty nine	173	one seventy three	197	one ninety seven
150	one fifty	174	one seventy four	198	one ninety eight
151	one fifty one	175	one seventy five	199	one ninety nine
152	one fifty two	176	one seventy six	200	two hundred
153	one fifty three	177	one seventy seven	201	two oh one
154	one fifty four	178	one seventy eight	202	two oh two
155	one fifty five	179	one seventy nine	203	two oh three
156	one fifty six	180	one eighty	204	two oh four
157	one fifty seven	181	one eighty one	205	two oh five
158	one fifty eight	182	one eighty two	206	two oh six
159	one fifty nine	183	one eighty three	207	two oh seven
160	one sixty	184	one eighty four	208	two oh eight
161	one sixty one	185	one eighty five	209	two oh nine
162	one sixty two	186	one eighty six	210	two ten
163	one sixty three	187	one eighty seven	211	two eleven
164	one sixty four	188	one eighty eight	212	two twelve
165	one sixty five	189	one eighty nine	213	two thirteen
166	one sixty six	190	one ninety	214	two fourteen

Channel (1~255)	Rule
215	two fifteen
216	two sixteen
217	two seventeen
218	two eighteen
219	two nineteen
220	two twenty
221	two twenty one
222	two twenty two
223	two twenty three
224	two twenty four
225	two twenty five
226	two twenty six
227	two twenty seven
228	two twenty eight
229	two twenty nine
230	two thirty
231	two thirty one
232	two thirty two
233	two thirty three
234	two thirty four
235	two thirty five
236	two thirty six
237	two thirty seven
238	two thirty eight

Channel (1~255)	Rule
239	two thirty nine
240	two forty
241	two forty one
242	two forty two
243	two forty three
244	two forty four
245	two forty five
246	two forty six
247	two forty seven
248	two forty eight
249	two forty nine
250	two fifty
251	two fifty one
252	two fifty two
253	two fifty three
254	two fifty four
255	two fifty five

Reference

Useful Information

If the Following Messages Appear

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If the following messages appear, check by referring to the cause and action below.

Message	Cause	Action
Common operations		
Temperature is too high. Restart after a few minutes.	The temperature inside the unit is abnormally high.	Wait until the temperature decreases.
Temperature is too low. Restart after a few minutes.	The temperature inside the unit is abnormally low.	Wait until the temperature increases.
Program loading is necessary. Please insert SD card.	The "SD memory card" containing the update program is not inserted.	Insert the "SD memory card" containing the update program.
Unable to read program. Please check SD card or the program.	Cannot read the "SD memory card" for some reason.	Check the "SD memory card".
Installing failed.	Failed to install the software.	Install again.
No map data found. Please insert the unit's dedicated SD card again.	The "SD memory card" containing the map data is not inserted.	Insert the "SD memory card" containing the map data.
Unable to read data. Please check SD card.	Cannot read the "SD memory card" for some reason.	Check the "SD memory card".
Unable to read map data. Please check SD card.	An "SD memory card" other than the one containing the map data is inserted.	Insert the "SD memory card" containing the map data.
Map/application authorization failed. Please check SD card.	Failed to authorize the map or application.	Check the "SD memory card".
Please insert a SD card.	The "SD memory card" is missing.	Insert an "SD memory card".

Message	Cause	Action
In HD radio mode		
iPod full. Tags cannot be stored.	There is no space remaining in the iPod memory.	Connect an iPod with space remaining in its memory.
No HD Radio signal available.	The HD radio reception is poor.	Try to receive the signal again in a location free from obstructions.
Saving the HD Radio tag failed.	Failed to save the tag information.	Acquire the tag information again.
Storing tag information. Please wait…	Cannot save the tag information because of an error.	Acquire the tag information again.
The maximum of 50 HD Radio tags have been stored. Please connect your iPod to transfer these tags before storing more tags.	Cannot save the tag information because the maximum number of tags that can be saved in the unit has been reached.	Connect an iPod and transfer the tag information that is saved in the unit to the iPod.
In SAT mode		
Check Antenna	The XM antenna has disconnected.	Check the connection of the XM antenna.
Check XM Tuner	The XM tuner has disconnected.	Check the connection of the XM tuner.
No Signal	Displayed when the XM satellite radio signal is lost (while accessing).	Try to receive the signal again in a location free from obstructions.
Channel Off Air	Displayed when the tuned XM channel is not currently broadcasting.	Select a channel that is currently broadcasting.
Channel Unavailable	Displayed when the tuned XM channel cannot be received.	Select a channel that can be received.
Channel Unauthorized	Displayed when you are not authorized to receive the tuned XM channel, or while the code is being updated.	Select a channel that can be received.
There is not the input number.	Displayed when the channel does not exist.	Select a channel that can be received.
Incorrect code. Please try again.	The parental lock code is incorrect.	Enter the correct number.

Message	Cause	Action
In CD or MP3/WMA mode		
Check DISC.	The disc is dirty or damaged.	The inserted disc is dirty or upside down. Check the disc for dirt and check its orientation. If the disc is dirty, clean it. If the disc is upside down, orient it correctly. Do not use scratched or warped discs.
DISC Error.	The CD•MP3/WMA player is not operating for some reason.	Eject the disc.
Error (temperature is too high).	The temperature of the CD•MP3/WMA player is abnormally high.	Wait until the temperature decreases without performing any operations.[*]
No music files found.	No playable music data is recorded on the CD-R/RW disc.	Insert a CD-R/RW disc on which playable music data is recorded.
No support.	Non-supported music data is recorded, or license-controlled music data is detected.	Insert a CD-R/RW disc on which playable music data is recorded.

Message	Cause	Action
In USB mode		
Check USB.	Playback failure or communication abnormality.	Reconnect the USB memory.
No music files found.	No playable music data is stored in the USB memory.	Connect a USB memory in which playable music data is stored.
No support files.	No supported files are stored in the USB memory.	Check the files.
Error	• Because playback stopped due to a factor in the main unit. (File access failure etc.) • Because an over current was detected.	Stop using the device for a short time and then try again.
Authorization Error. Your deviceis not authorized to play this DivX protected video.	The files are copyright-protected. DivX files purchased with a registration code other than the code of this unit cannot be played.	Check the files.
This DivX rental has used ** of ** views. Continue? [Yes]/[No]	Displays the remaining views for the file.	Follow the instructions on the screen.
Rental Expired. Your device is not authorized to play this DivX protected video.	The view limit has been reached.	Connect a USB memory that contains a video file with remaining views.
Currently this function is disabled.	A function was selected that cannot be used while the vehicle is in motion.	Park the vehicle and apply the parking brake.
Reading INDEX ** %	The file reading percentage display.	Do not operate until the file reading is complete.
Video framerate not supported.	The video frame rate is not supported.	Connect a USB memory in which playable video files are stored.
Video resolution not supported.	The video resolution is not supported.	Connect a USB memory in which playable video files are stored.
Audio format not supported.	No playable audio format is stored in the USB memory.	Connect a USB memory in which a playable audio format is stored.
No video files found.	No playable video files are stored in the USB memory.	Connect a USB memory in which playable video files are stored.

Message	Cause	Action
In iPod mode		
iPod error.	Playback failure or communication abnormality.	Reconnect the iPod.
Please check the iPod firmware version.	A communication error, a playback error, the iPod software is not supported, or a control target error.	Connect a playable iPod. Reconnect the iPod.
No music files found.	No playable music data is stored in the iPod.	Connect an iPod in which playable music data is stored.
Searching iPod. Please wait...	Displayed if play is not possible when the iPod source is selected. Also displayed when waiting for skip when up/down is initially operated.	Wait for a few moments before operating.
iPod authorization failed.	Failed to authorize the iPod, or reauthorization is required.	Reconnect the iPod.

Message	Cause	Action
In Bluetooth Audio mode		
No music files found.	No playable music data is stored in the portable device.	Connect a portable device in which playable music data is stored.
In handsfree mode		
Transfer failed.	Displayed when phonebook transfer failed.	Transfer the phonebook again.
Connection failed.	Displayed when phone connection failed.	Connect the phone again.
The part of telephone book data was not able to transfer	Displayed when a portion of the phonebook data could not be transferred.	Transfer the phonebook again.
Telephone call transferring is failed.	Displayed when call transfer was not successful.	Perform call transfer again.
Messages not retrieved.	Displayed when automatic message transfer failed.	Touch Message Transfer (Message Transfer) on the Messages screen to transfer the message.
	Displayed when the phone does not support the MAP profile.	Connect a phone which supports the MAP profile before using.
The message could not be retrieved.	Displayed when message retrieval failed.	Touch Message Transfer (Message Transfer) to perform transfer again.
Unable to dial	Displayed when call dialing failed.	Check that the phone is connected correctly.
Unable to transfer contacts. The Phone is in use	Displayed if the phone was in use when manual phonebook transfer was executed.	Finish using the phone before transferring the phonebook.
In picture mode		
No data	No displayable image data is recorded on the SD memory card.	Insert an SD memory card on which displayable image data is recorded.
Updating failed.	Displayed when updating the Opening screen failed.	Perform Opening screen update again.
Please wait...	Displayed when image data that is 5 MB or larger is being read.	Do not operate until the data reading is complete.

*   If this happens, wait for a brief period. When the temperature inside the device returns to normal, the message disappears and playback starts. If the message does not disappear even after waiting a long time, contact your SUBARU dealer.

Message	Cause	Action
In Voice Control System		
Please repeat.	Displayed when the voice command could not be recognized.	Speak the command again.
Voice recognition mode has been cancelled.	Displayed when the voice recognition mode is ended.	-
That command is not available at this time.	Displayed when it is not possible to change the audio mode.	Check that the disc has been inserted correctly. Check that the device has been connected correctly.
That command is not available at this time.	Displayed when it is not possible to change to the navigation mode.	Check that the SD card containing the map data has been inserted correctly. Check that a language other than Russian is selected for the language setting. If the problem is still not resolved, please contact the nearest SUBARU dealer.
That command is not available at this time.	Displayed when that data does not exist. Displayed when the voice command cannot be used.	Use the command only when the corresponding data exists. Speak the name of the data again. Speak a permitted voice command again.
That command is not available at this time.	Displayed when the connected device is not a supported product.	Use when a supported product is connected.
That frequency is not available.	Displayed when that frequency is not available.	Speak the command again.
There is no corresponding data.	Displayed when the corresponding data does not exist.	Use the command only when the corresponding data exists.
That channel cannot be selected.	Displayed when the requested channel data does not exist.	Use the command only when the channel data exists.
The call cannot be placed. There is no phone number information.	Displayed when no phone number data is registered in the phonebook.	Register in the phonebook before using.
(Phonebook name) (Location) is not in the phonebook.	Displayed when the phone number data is not registered in the designated location.	Register in the phonebook before using.

Message	Cause	Action
The phonebook is empty.	Displayed when there is no data registered in the phonebook.	Register in the phonebook before using.
The call cannot be placed. There is no phone number information.	Displayed when that information does not exist.	Speak the information again.
You can't add more digits.	Displayed when the maximum number of telephone number digits has been exceeded.	Make a call to the entered phone number or delete digits before entering.
There are no phones set up to make calls.	Displayed when a Bluetooth-supporting phone is not registered.	Check that a Bluetooth-supporting phone is registered.
The phone is not connected. Please check the phone.	Displayed when a Bluetooth-supporting phone is not connected.	Check that a Bluetooth-supporting phone has been connected.
Please check the usb.	Displayed when USB is disconnected.	Check that USB is connected correctly.
Please check the ipod.	Displayed when the iPod battery is depleted. Displayed when the iPod is disconnected.	Check the iPod battery level. Check that the iPod is connected correctly.
Please check the phone.	Displayed when the phone is disconnected. Displayed when the phone battery is depleted. Displayed when the phone link is disconnected.	Check the phone battery level. Check that the phone is connected correctly.
Loading Voice Recognition…	Displayed when voice recognition cannot yet be started.	Wait for a few moments before operating.

* When a correct command is recognized, the system speaks back the same voice command.

When You Think There Is a Malfunction

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A slight change in operation may be mistaken for a malfunction. Please check the items in the following table first.

If the unit does not improve even after taking the appropriate action, contact your SUBARU dealer for an inspection.

| Condition	Possible cause	Action
The screen is dark for a brief period when the power is turned on at low temperatures.	This is a characteristic of TFTs.	This is not a malfunction. Wait for a brief period.
The display is distorted for a brief period after the power is turned on.	This is a characteristic of TFT backlighting.	This is not a malfunction. The display will stabilize after a brief period.
No sound comes out.	The volume is poorly adjusted.	Turn the VOL button to adjust the volume.
	The music is muted in the following cases. • When the voice guidance function is operating. • When talking in handsfree mode.	This is not a malfunction. The music can be heard again when the voice guidance finishes or the handsfree mode is turned off.
Sound comes out of only one side (left or right, front or rear).	The volume is poorly adjusted.	Check the balance and fader adjustments.
Sound quality does not change even after making adjustments.	The adjusted sound quality band is not included in the radio broadcast or disc.	Check by changing the radio station or disc.
Cannot insert a disc into the deck.	The power is not turned on.	Turn the vehicle ignition switch to "ACC" or "ON".
	A disc is already inserted and you are trying to insert a second disc.	Eject the previously inserted disc before inserting the new disc.
Cannot play a disc.	There is water condensation inside the device.	Stop using the device for a short time and then try again.
	The disc is significantly scratched or warped.	Insert a different disc.
	The disc is very dirty.	Clean the disc.
	The disc is upside down.	Insert the disc in the correct orientation.
	A non-supported disc type is inserted.	Insert a supported disc into the deck.

Condition	Possible cause	Action
Audio is output, but not video (even when the vehicle is stopped).	The parking brake is not applied.	Apply the parking brake.
Neither audio nor video is output.	The vehicle ignition switch is not turned on.	Turn the vehicle ignition switch to "ACC" or "ON".
There are dots that are always lit on the screen.	At least 99.99% of the pixels on TFT panels function correctly, but 0.01% of the pixels may not light or may stay lit.	This is not a defect, so please use the device in this condition.

Glossary

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To enhance your enjoyment of this product, please familiarize yourself
with the following terms.

- **GPS (Global Positioning System)**
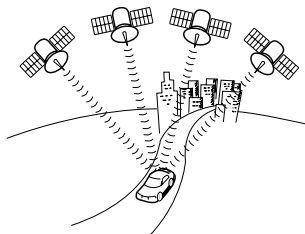
    GPS is a system that detects the current location (latitude, longitude,
    altitude) by receiving radio waves from 4 or more GPS satellites in
    normal situations, or sometimes from 3 satellites.

    These satellites are launched and managed by the US Department of
    Defense mainly for military use, but they are also open for private
    use. This unit performs navigation using GPS information, various
    sensors, and road map data.

- **Wide area map, detailed map**
    The wide area map is a map of a large area, and the detailed map is a
    map of a small area. The scales of the maps are 1/20,480,000,
    1/10,240,000, 1/5,120,000, 1/ 2,560,000, 1/1,280,000, 1/640,000,
    1/320,000, 1/160,000, 1/80,000, 1/40,000, 1/20,000, 1/10,000, and
    1/5,000.

- **Positioning**

The quality of the GPS positioning is displayed in the top right of the
menu screen. The greater the number of displayed symbols, the
higher the precision of the GPS positioning.

- **2D positioning and 3D positioning**

Actual position

Signals do not cross at one point

Position determined by 2D positioning
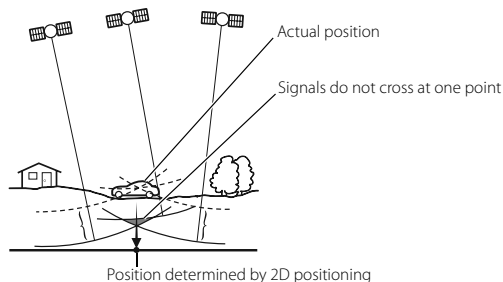
GPS calculates positions using triangulation.

The distance to the satellite can be determined when the radio wave from that satellite is received, and the current location can be measured by receiving radio waves from 3 satellites.

However, because there is a margin of error in the GPS satellites and navigation unit, positioning is performed in only the 2 dimensions of latitude and longitude when radio waves from only 3 satellites can be received. The precision will be lower in this case. When radio waves from 4 or more GPS satellites are received, positioning is performed in the 3 dimensions of latitude, longitude, and altitude. 3D positioning is more precise than 2D positioning, and it reduces the margin of error in the vehicle location display.

About Trademarks

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• Tone and balance

The audio systems utilize SRSFOCUS™ and SRS TruBass® audio enhancement technologies, under license from SRS Labs, Inc., in all mode except AM radio mode.

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SRS FOCUS™ raises the audio image from non-optimally placed speakers up to the natural listening height at ear level.

SRS TruBass® enhances the perception of bass frequencies to provide deep, rich bass response from any size speaker.