

MirrorLink™ (TYPE A/B ONLY)

MirrorLink™

The MirrorLink™ function allows smartphone content to be operated via the system.

To use the MirrorLink™ application, connect your Android device to the USB port.

Depending on differences between models or software version etc., some models might be incompatible with this system.

When using the application, read the precautions indicated in “BEFORE USING THE APPLICATION”. (→P.92)

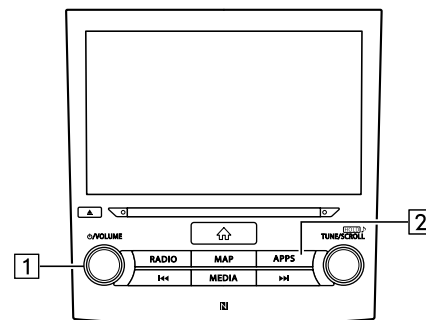
This function is not available if the smartphone is not compliant with MirrorLink™ of Car Connectivity Consortium™.

OVERVIEW

The MirrorLink™ operation screen can be reached by the following methods:

- Connecting a MirrorLink™ device. (→P.39)
- Select **MirrorLink** (MirrorLink) on the “Apps (Apps)” screen. (→P.28)

► Control panel



No.	Function
1	Turn to adjust volume. Press and hold to turn the audio system on/off.
2	Press to display the “Apps (Apps)” screen.

► **Control screen**



<Application screen>



<Operation screen*>

*: The displayed screen will differ depending on the connected smartphone.

No.	Function
1	Displays software buttons that function as the buttons on the smartphone.

NOTE

This function cannot be used while USB audio is in use.
It may not be possible to use certain applications while driving.

ABOUT THE SUPPORTED DEVICES

- Your smartphone must support the MirrorLink™ version 1.2, 1.1, 1.0 function.
- Available operations will differ depending on your smartphone. Refer to your smartphone owner's manual, or consult the manufacturer.

aha™ by HARMAN

aha is a cloud-based application that connects to the system and gives you access to your favorite web content safely and easily. There are over 40,000 stations spanning internet radio, personalized music, audiobooks, Facebook, Twitter, restaurant and hotel searches, weather and more. For more about aha, go to the aha site (<http://www.aharadio.com>).

When connecting iPhone or Android devices with the aha application installed, you can control, view, and hear aha content through the system.

To use the aha application, connect your iPhone to the USB port, or connect your Android device via Bluetooth.

When using the application, read the precautions indicated in “BEFORE USING THE APPLICATION”. (→P.92)

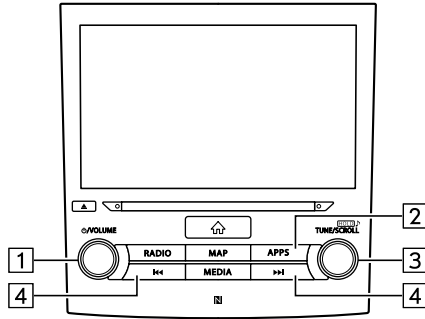
With navigation function: You may be also display POI information from the aha application on the map screen and route to these POIs.

OVERVIEW

The aha™ by HARMAN operation screen can be reached by the following methods:

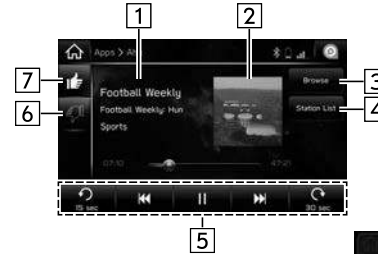
- Run the aha application on your smartphone.
- Connect the iPhone to the USB port, or connect the Android device by utilizing the Bluetooth connection.
 - For details about connecting an iPhone: →P.39
For details about registering or connecting an Android device: →P.54
- For Android devices: Select **Aha** (Aha) on the “Apps (Apps)” screen. (→P.28)

► Control panel



No.	Function
1	Turn to adjust volume. Press and hold to turn the audio system on/off.
2	Press to display the “Apps (Apps)” screen.
3	Turn to display the next/previous content item. Press to select an audio mode.
4	Press to display the next/previous content item.

► Control screen



<Top screen>



<Browse screen>

No.	Function
1	Displays station name.
2	Displays cover art.
3	Select to display the browse screen.
4	Select to display the station list screen.



No.	Function
5	Top screen operation buttons. • Content items can be changed, and if content items contain information, calls can be placed and content items can be set* for destinations, etc.
6	Select to upload “Dislike” information to the application server. To cancel “Dislike” information that is being uploaded to the server, select this button again.
7	Select to upload “Like” information to the application server. To cancel “Like” information that is being uploaded to the server, select this button again.
8	Select to display a list of preset stations.
9	Select to display a list of featured stations.
10	Select to display a list of stations using the location information.

*: Type A only

NOTE

When you switch to other modes with the aha application activated and then turn the system Off/On with the smartphone device still connected, the aha mode will start instead of the last mode used. If you do not want to start the aha mode automatically, turn off the aha application on the smartphone.

Top 35 entries in the preset station list on the smartphone are displayed. When there are more than 35 entries in the preset station list, change the order of the entries in the list on the smartphone. You can change the priority of your preset stations within the aha application (after disconnected from this system) to modify the station list shown on the screen. Please see your smartphone aha application “Edit Presets” to modify this list.

If there are multiple audio files stored on your iPhone, it may take some time until playback starts.

Playback may be intermittent when you switch to streaming Bluetooth audio from aha on your smartphone device.

The following operations are not available on this system. Perform these operations on the smartphone.

- Add/Reorder/Delete stations
- Log in to Facebook/Twitter (When not logged in, login will be required by the station. It is necessary to do so when the device is disconnected from the system.)

For the aha function, the following touch screen gestures are not available.

- Double touch with one finger
- Double touch with two fingers

The audio system will turn off when the aha application is closed on the iPhone and/or Android device.

ABOUT THE SUPPORTED DEVICES FOR aha

This system supports the following devices.

- iPhone: iOS 5.0 or later
- Android: Android2.2 or later

NOTE

Note that the warranty does not apply if an unsupported iPhone is connected.

The available functions may vary depending on the type of Android device.

Pandora®

Pandora®

Pandora is free personalized radio that offers effortless and endless music enjoyment and discovery.

To use the Pandora application, connect your iPhone to the USB port, or connect your Android device via Bluetooth.

Depending on differences between models or software version etc., some models might be incompatible with this system.

This function is not available if the Pandora application has not been installed on the smartphone.

When using the application, read the precautions indicated in “BEFORE USING THE APPLICATION”. (→P.92)

NOTE

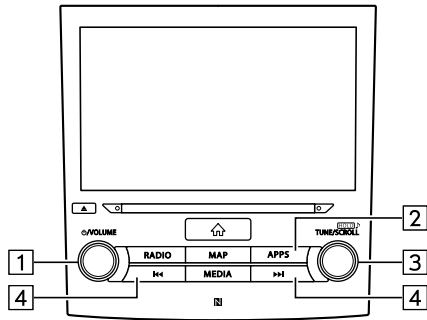
Pandora is available in the United States, Australia, and New Zealand.


OVERVIEW

The Pandora operation screen can be reached by the following methods:

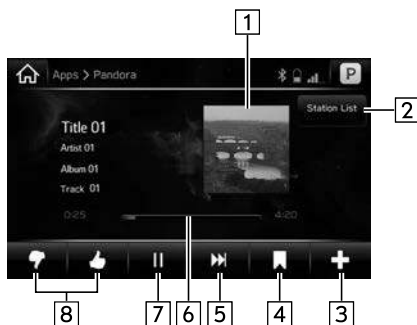
- Connect the iPhone to the USB port, or connect the Android device by utilizing the Bluetooth connection.
 - For details about connecting an iPhone: →P.39
 - For details about registering or connecting an Android device: →P.54
- Select **Pandora** (Pandora) on the “Apps (Apps)” screen. (→P.28)

► Control panel



No.	Function
1	Turn to adjust volume. Press and hold to turn the audio system on/off.
2	Press to display the “Apps (Apps)” screen.
3	Press to select an audio mode.
4	Press  to skip to the next track. Select and hold to rate the track currently playing as “Like” or “Dislike”.

► Control screen



No.	Function
1	Displays cover art.
2	Select to display the station list screen.
3	Select to create a station from artist or track.
4	Select to bookmark the track currently playing.
5	Select to skip to the next track.

No.	Function
6	Shows progress.
7	Select to pause/play.
8	Select to rate the track currently playing as "Like" or "Dislike".

ABOUT THE SUPPORTED DEVICES

This system supports the following devices.

- iPhone: iOS 5.0 or later
- Android: Differs with mobile device used

Apple Carplay

Apple Carplay

CarPlay can be used to view iPhone maps, play music, and place calls by connecting your iPhone to the system. Supported applications can also be run.

- For details on the services or the operations, check the Apple Carplay site (<https://ssl.apple.com/ios/carplay/>).

To use the Apple Carplay application, connect your iPhone to the USB port, or via Wi-Fi*.

*: Type A/B only

When using the application, read the precautions indicated in "BEFORE USING THE APPLICATION". (→P.92)

OVERVIEW

The Apple Carplay operation screen can be reached by the following methods:

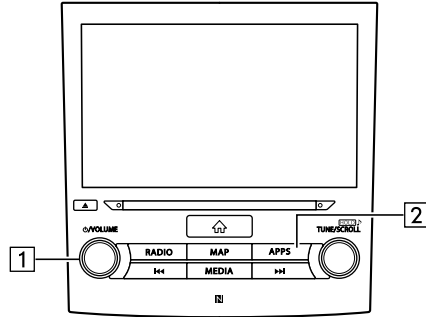
- Connect your iPhone to the USB port, or connect via Wi-Fi*.

*: Type A/B only

- For details about connecting your iPhone to the USB port: →P.39
For details about connecting your iPhone via Wi-Fi*: →P.65

- Select **Apple Carplay** (Apple Carplay) on the "Apps (Apps)" screen. (→P.28)

► **Control panel**



No.	Function
1	Turn to adjust volume. Press and hold to turn the audio system on/off.
2	Press to display the “Apps (Apps)” screen.

► **Control screen**



*: The displayed screen will differ depending on the connected iPhone.

No.	Function
1	Displays the application buttons. Select to start the application.
2	Select to display the home screen of Apple Carplay.

ABOUT THE SUPPORTED DEVICES

This system supports the following devices.

- iPhone:

Android Auto

Android Auto

Android Auto can be used to view Android maps, play music, and place calls by connecting your Android terminal to the system. Supported applications can also be run.

- For details on the services or the operations, check the Android Auto site (<https://www.android.com/auto/>) and (<https://support.google.com/androidauto/>).

To use the Android Auto application, connect your Android device to the USB port, or via Wi-Fi®*.

*: Type A/B only

When using the application, read the precautions indicated in “BEFORE USING THE APPLICATION”. (→P.92)

OVERVIEW

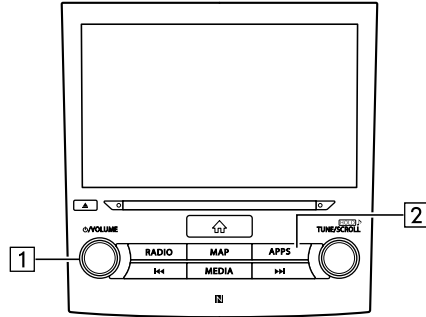
The Android Auto operation screen can be reached by the following methods:

- Connect your Android device to the USB port, or connect via Wi-Fi®*.

*: Type A/B only

- For details about connecting your Android device to the USB port: →P.39
For details about connecting your Android device via Wi-Fi®: →P.65
- Select **Android Auto** (Android Auto) on the “Apps (Apps)” screen. (→P.28)

► Control panel



No.	Function
1	Turn to adjust volume. Press and hold to turn the audio system on/off.
2	Press to display the “Apps (Apps)” screen.

► Control screen



No.	Function
1	Displays the application/information buttons. Select to start the application, or select to display information.

ABOUT THE SUPPORTED DEVICES

This system supports the following devices.

- Android:

TravelLink (TYPE A/B ONLY)

TravelLink*

*: SiriusXM U.S. satellite and data services are available only in the 48 contiguous USA and DC. SiriusXM satellite service is also available in Canada; see www.siriusxm.ca.

Data service information, which is comprised of sports information, weather information, stock information and fuel information, can be received via the SiriusXM® Radio.

To receive the data service information in the vehicle, a subscription to the SiriusXM® Satellite Radio Service is necessary. (→P.125)

Content set to use the SiriusXM® Satellite Radio Service is reset when personal information is initialized.

DISPLAYING SPORTS INFORMATION

By registering your favorite team, sports information such as games and results, the status of games still in progress, and future game schedules can be displayed.

1. Select **TravelLink** (TravelLink) on the “Apps (Apps)” screen. (→P.28)
2. Select **Sports** (Sports).

3. Check that sports information is displayed.



No.	Function
1	Select to change the displayed information.
2	Sports information are displayed.
3	Select to set which sports information is displayed.
4	Select to edit or register your favorite team.

5
APPS

NOTE

Up to XX favorite teams can be registered.

DISPLAYING WEATHER INFORMATION

Weather forecasts, forecast temperature or highest/lowest temperature, and the chances of precipitation, etc. can be displayed in weather information.

1. Select **TravelLink** (TravelLink) on the “Apps (Apps)” screen (→P.28).
2. Select **Weather** (Weather).
3. Check that weather information is displayed.



No.	Function
1	Select to switch the timing of the displayed forecast.
2	Select to display ski area facility information such as the current air temperature, wind and snow conditions, and the amount of snowfall.
3*	Select to display the weather forecast along the route.
4	Weather information are displayed.
5	Select to set the forecast region.

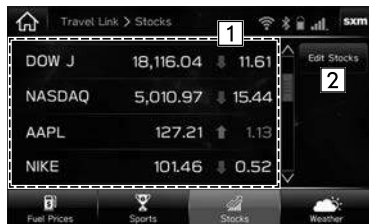
*: Type A only

DISPLAYING STOCKS INFORMATION

Company names, stock prices, and price fluctuations can be displayed in stock information. Fluctuations greater than zero are displayed with green arrows, and fluctuations less than zero are displayed with red arrows.

1. Select **TravelLink** (TravelLink) on the “Apps (Apps)” screen (→P.28).
2. Select **Stocks** (Stocks).

3. Check that stock information is displayed.



No.	Function
1	Stocks information are displayed.
2	Select to add or edit stocks.

NOTE

Up to XX stocks can be registered.

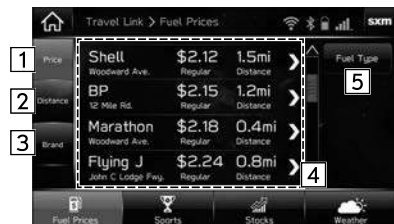
**DISPLAYING FUEL INFORMATION
(NOT AVAILABLE IN CANADA)**

Gas station information can be displayed, and gas stations can be set* in fuel information. When Bluetooth is enabled on your cellular phone, calls can be placed if the displayed information screen contains phone number information.

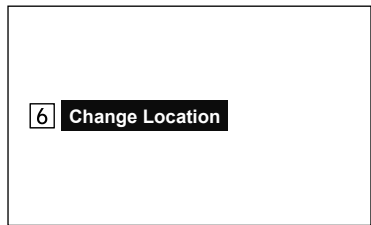
*: Type A only

1. Select **TravelLink** (TravelLink) on the “Apps (Apps)” screen (→P.28).
2. Select **Fuel Prices** (Fuel Prices).
3. Check that fuel information is displayed.

▶ Type A only



▶ Type B only



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APPS

No.	Function
1	Select to sort gas station by price.
2*1	Select to sort gas station by distance from the current position.

TravelLink (TYPE A/B ONLY)

No.	Function
3	Select to sort gas station by brand.
4	Gas station information are displayed.
5	Select to set the fuel type.
6*2	Select to change the location in which fuel information is displayed.

*1: Type A only

*2: Type B only

NOTE

Up to 25 gas stations can be displayed.

The distance from the current position are displayed only when the system is equipped with the navigation function.

If the route has been set, gas stations along the route are displayed, and if no route has been set, gas stations within a 30 mile radius from the current location are displayed.

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AUDIO

BASIC OPERATION

SOME BASICS

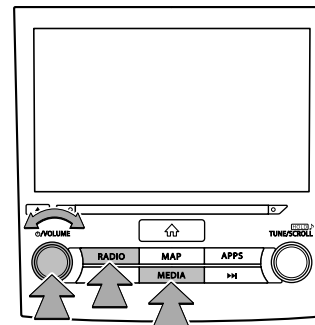
This section describes some of the basic features of the audio system. Some information may not pertain to your system.

Your audio system works when the ignition switch is turned to the “ACC” or “ON” position.

⚠ CAUTION

To prevent the battery from being discharged, do not leave the audio system on longer than necessary when the engine is not running.

TURNING THE SYSTEM ON AND OFF

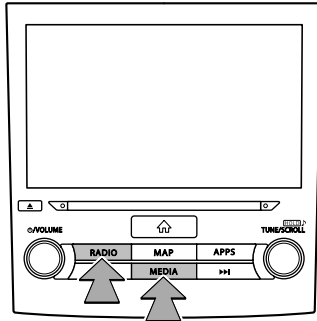


“**VOLUME**” knob: Press and hold to turn the audio system on and off. The system turns on in the last mode used. Turn this knob to adjust the volume.

RADIO, **MEDIA**: Press to display screen buttons for the audio system.

SELECTING AN AUDIO SOURCE

1. Press **RADIO** or **MEDIA**.



2. Select the desired audio source.

► “Radio (Radio)” screen



► “Media (Media)” screen



- Each time **RADIO** or **MEDIA** is pressed, the audio source can also be changed.

SOUND SETTINGS

The following sound quality can be adjusted.


STONE:

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.

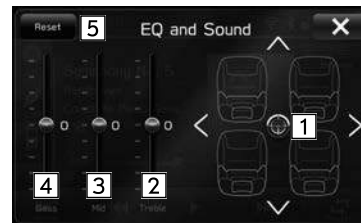
BALANCE:

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. Press .
2. Select **Settings** (Settings).
3. Select **Sound** (Sound).
4. Select **EQ and Sound Position** (EQ and Sound Position).

5. Set the desired item.



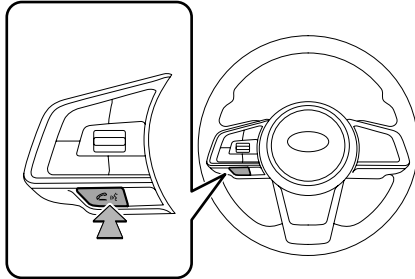
No.	Function
1	Select the icon to adjust sound balance.
2	Select the sliders to adjust high-pitched tones.
3	Select the sliders to adjust mid-pitched tones.
4	Select the sliders to adjust low-pitched tones.
5	Select to reset all setup items.

NOTE

The "EQ and Sound (EQ and Sound)" screen can also be displayed by pressing and holding the "TUNE/SCROLL" knob.

VOICE RECOGNITION SYSTEM

1. Press this switch to operate the voice recognition system.



- The voice recognition system and its list of commands can be operated. (→P.193)

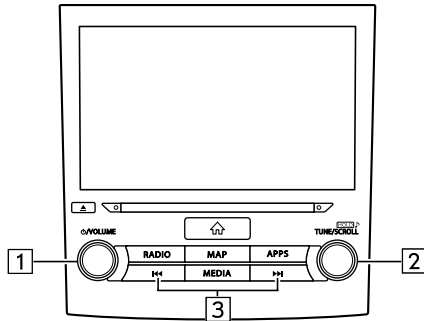
RADIO OPERATION

AM/FM RADIO

OVERVIEW

The FM/AM radio operation screen can be reached by selecting **FM** (FM) or **AM** (AM) on the “Radio (Radio)” screen. (→P.115)

► **Control panel**



No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.

No.	Function
2	Turn to step up/down frequencies.
3	Press to seek up/down available stations/channels. Press and hold for continuous seek.

► **Control screen**



No.	Function
1	Select to change radio modes.

No.	Function
2	Select to scan for receivable stations/channels.
3	Select to display the cache radio operation buttons. (→P.122)
4*	Select to turn HD Radio mode on/off.
5*	Select to change multicast channels available. (→P.121)
6	Select to scroll the list of preset buttons. The preset station list can also be scrolled by swiping the list.
7	Select to tune to preset stations/channels.

*: Type A/B only

NOTE

The radio automatically changes to stereo reception when a stereo broadcast is received.

Type A/B only: The radio automatically blends to an HD Radio signal in AM or FM where available.

PRESETTING A STATION

Radio mode has a mix preset function, which can store up to 18 stations from any of the AM, FM or SiriusXM Satellite* Radio bands.

*: Type A/B only

1. Tune in the desired station.
2. Select and hold one of the desired preset station button.



- To change the preset station to a different one, follow the same procedure.

AUDIO

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**AVAILABLE HD Radio™ TECHNOLOGY
(TYPE A/B ONLY)**



HD Radio Technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio™ and the HD, HD Radio, and “Arc” logos are proprietary trademarks of iBiquity Digital Corp.


HD Radio™ Technology is the digital evolution of analog AM/FM radio. Your radio product has a special receiver which allows it to receive digital broadcasts (where available) in addition to the analog broadcasts it already receives. Digital broadcasts have better sound quality than analog broadcasts as digital broadcasts provide free, crystal clear audio with no static or distortion. For more information, and a guide to available radio stations and programming, refer to www.hdradio.com.

MULTICAST

On the FM radio frequency most digital stations have “multiple” or supplemental programs on one FM station.

1. Select .



- Each time  is selected, the channel can be changed.
- Turning the “TUNE/SCROLL” knob can also select the desired multicast channel.

Digital Sound

- Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today’s FM and FM sounds like a CD.

HD2/HD3

- FM stations can provide additional digital-only audio programming on HD2/HD3 Channels.

NOTE

HD Radio™ stations can be preset.

An orange **HD** will be displayed on the screen when in digital. The **HD** will first appear in a gray color indicating the station is indeed (an analog and) a digital station. Once the digital signal is acquired, the logo will change to a bright orange color. The song title and artist name will appear on the screen when available by the radio station. The radio station can send album pictures when available. As a user works through the analog radio stations, (where applicable) the radio receiver will automatically tune from an analog signal to a digital signal within 5 seconds.

PSD

- Program Service Data: Presents song name, artist, station IDs, and other relevant data streams.

Artist Experience

- Visual information related to content being played on your HD Radio receiver, such as Album Art, historical photographs, still art from live broadcasts, among other related content.

iTunes® Tagging

- iTunes® Tagging provides you the opportunity to discover a wide range of content and the means to “tag” that content for later review and purchase from the iTunes® Store. Also refer to the Apple Automotive specifications for implementing iTunes® Tagging.

CACHING RADIO PROGRAMS

A radio program can be cached and played back in a time-shifted manner.

AUTOMATIC PLAYBACK OF THE CACHE

If the radio broadcast is interrupted by another audio output, such as an incoming phone call, the system will automatically cache the interrupted portion and perform time-shift playback when the interruption ends. To manually operate the cache operation: (→P.123)

NOTE

The system can store up to 20 minutes. Cached data will be erased when the radio mode or station is changed or when the audio system is turned off.

If noise or silence occurs during the caching process, cache-writing will continue, with the noise or silence recorded as is. In this case, the cached broadcast will contain the noise or silence when played back.

PLAYING BACK THE CACHE MANUALLY

The broadcast cached in the program cache can be played back manually.

1. Select **Replay** (Replay). (→P.118)
2. Select the desired cache radio operation button.



No.	Information/Function
1	Shows the current playback location relative to the cached broadcast recording time with a bar scale. The playback location can be changed by dragging the sliders.

No.	Information/Function
2	Returns to the live radio broadcast.
3	Select: Skips forward 2 minutes. Select and hold: Fast forwards continuously.
4	Pauses or plays the radio broadcast.
5	Select: Skips backward 2 minutes. Select and hold: Fast rewinds continuously.
6	Exits cached playback.

NOTE

The time displayed on the bar scale may differ from the actualtime.

Live Pause

- Type A/B only: Allows HD Radio receivers to store content (songs/programs and data) in a buffer. Playback shall start at any point in the buffer and shall continue until the end of the buffer or until the user has selected to stop playback. Live Pause has the ability to store both analog and digital content in the buffer.

AUDIO

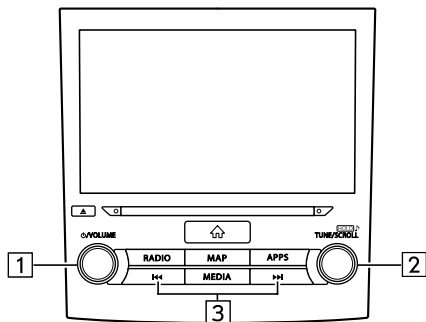
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SiriusXM® Satellite Radio (TYPE A/B ONLY)

OVERVIEW

The SiriusXM® operation screen can be reached by selecting **sxm** (sxm) on the “Radio (Radio)” screen. (→P.115)

► Control panel



No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.
2	Turn to step up/down channels.

No.	Function
3	Press to seek up/down available channels. Press and hold for continuous seek.

► Control screen



No.	Function
1	Select to change radio modes.
2	Select to search channels. (→P.131)

No.	Function
3	Select to search subscribed channels by category. When Tune Start is set to on, Tune Scan (Tune Scan) will be displayed. (→P.131)
4	Select to display the cache radio operation buttons. (→P.129)
5	Select to search channels by entering the channel number.
6	Select to scroll the list of preset buttons. The preset station list can also be scrolled by swiping the list.
7	Select to tune to preset stations/channels.

NOTE

If the ignition switch is turned "OFF" and then set to the "ACC" or "ON" position when listening to an XL channel, broadcasting from the XL channel will not begin. If so, the SXM001 channel will be broadcast.

XL channels may include frequent explicit language or mature programming.

HOW TO SUBSCRIBE TO SiriusXM® Satellite Radio

To listen to a satellite radio broadcast in the vehicle, a subscription to the SiriusXM® Satellite Radio service is necessary.

A SiriusXM® Satellite Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription. SiriusXM U.S. satellite and data services are available only in the 48 contiguous USA and DC. SiriusXM satellite service is also available in Canada; see www.siriusxm.ca.

HOW TO SUBSCRIBE

It is necessary to enter into a separate service agreement with SiriusXM® Satellite Radio Services in order to receive satellite broadcast programming in the vehicle. Additional activation and service subscription fees apply that are not included in the purchase price of the vehicle and digital satellite tuner.

- For complete information on subscription rates and terms, or to subscribe to SiriusXM® Satellite Radio:

► **U.S.A.**

Refer to www.siriusxm.com or call
1-877-447-0011.

► **Canada**

Refer to www.siriusxm.ca or call
1-877-209-0079.

WARNING

SiriusXM® Satellite Radio Services — Legal Disclaimers and Warnings

- Fees and Taxes — Subscription fee, taxes, one time activation fee, and other fees may apply. Subscription fee is consumer only. All fees and programming subject to change.

Subscriptions subject to Customer Agreement available at www.siriusxm.com. (U.S.A.) or www.siriusxm.ca (Canada) SiriusXM U.S. satellite and data services are available only in the 48 contiguous USA and DC. SiriusXM® Satellite Radio Service is also available in Canada; see www.siriusxm.ca.

Explicit Language Notice — Channels with frequent explicit language are indicated with an “XL” preceding the channel name. Channel blocking is available for SiriusXM® Satellite Radio receivers by notifying SiriusXM at:

U.S.A. Customers:

Visit www.siriusxm.com or calling

1-877-447-0011

Canadian Customers:

Visit www.siriusxm.ca or calling

1-877-209-0079

⚠ CAUTION

It is prohibited to copy, decompile, disassemble, reverse engineer, hack, manipulate, or otherwise make available any technology or software incorporated in receivers compatible with the SiriusXM® Satellite Radio Services or that support the SiriusXM website, the Online Service or any of its content. Furthermore, the AMBE® voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc.

Note: this applies to SiriusXM® Satellite Radio receivers only and not SiriusXM Ready devices.

NOTE

SiriusXM® Satellite Radio Services--Descriptions

- Only SiriusXM® Satellite Radio brings you more of what you love, all in one place. Get over 175 channels, including commercial-free music, plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. More information about SiriusXM® Satellite Radio is available online at www.siriusxm.com (U.S.A.) or www.siriusxm.ca (Canada).

NOTE

SiriusXM® Satellite Radio Services — Subscription Instructions

- For SiriusXM Services requiring a subscription (such as SiriusXM® Satellite Radio Services, and some Infotainment & data services), the following paragraph shall be included. Required SiriusXM® Satellite Radio Services and some Infotainment & data services monthly subscriptions sold separately after trial period. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions are subject to the Customer Agreement available at www.siriusxm.com. SiriusXM U.S. satellite and data services are available only in the 48 contiguous USA and DC. SiriusXM satellite service is also available in Canada; see www.siriusxm.ca. © 2013 SiriusXM Radio Inc. Sirius, XM and all related marks and logos are trademarks of SiriusXM Radio Inc. All other marks, channel names and logos are the property of their respective owners.

For more information, program schedules, and to subscribe or extend subscription after complimentary trial period; more information is available at:

USA Customers:

Visit www.siriusxm.com or call
1-877-447-0011

NOTE

SiriusXM® Satellite Radio Service is solely responsible for the quality, availability and content of the satellite radio services provided, which are subject to the terms and conditions of the SiriusXM Satellite Radio customer service agreement.

Customers should have their radio ID ready; the radio ID can be found by tuning to “Ch 000” on the radio. For details, see “DISPLAYING THE RADIO ID” below.

All fees and programming are the responsibility of SiriusXM® Satellite Radio Services and are subject to change.

DISPLAYING THE RADIO ID

Each SiriusXM tuner is identified with a unique radio ID. The radio ID is required when activating SiriusXM Satellite Services or when reporting a problem.

The radio ID can be checked on the SiriusXM subscription screen. (→P.66)

- If “Ch 000” is selected using the “**TUNE/SCROLL**” knob, the ID code, which is 8 alphanumeric characters, will be displayed. If another channel is selected, the ID code will no longer be displayed. The channel (000) alternates between displaying the radio ID and the specific radio code.

PRESETTING A CHANNEL

1. Tune in the desired channel.
2. Select and hold one of the desired preset station button.



- To change the preset station to a different one, follow the same procedure.

CACHING RADIO PROGRAMS

A radio program can be cached and played back in a time-shifted manner.

The program that is currently being listened to, and channel programs registered as Smart Favorites can be cached.

NOTE

If noise or silence occurs during the caching process, cache-writing will continue, with the noise or silence recorded as is. In this case, the cached broadcast will contain the noise or silence when played back. If reception is poor or radio waves are disrupted, the caching process will not be performed properly, and several seconds of silence will be recorded.

It may not be possible to cache depending on the broadcasting channel and program (advertising or billboard, etc.) being broadcasted.

PLAYING BACK THE CACHE

The broadcast cached in the program cache can be played back.

1. Select **Replay** (Replay). (→P.124)

2. Select the desired cache radio operation button.



No.	Information/Function
1	Shows the current playback location relative to the cached broadcast recording time with a bar scale. The playback location can be changed by dragging the sliders.
2	Returns to the live radio broadcast.
3	Select: Access the desired program. Skips forward through program. Select and hold: Fast forwards continuously. The fast forward speed increased the longer the button is held down.

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No.	Information/Function
4	Pauses or plays the radio broadcast.
5	Select: Access the desired program. Skips back through program. Select and hold: Fast rewinds continuously. The fast rewind speed increased the longer the button is held down.
6	Exits cached playback.

NOTE

The time displayed on the bar scale may differ from the actual time.

REGISTERING A SMART FAVORITE CHANNEL

The TuneStart and TuneScan functions can be used by registering preset channels as Smart Favorites. Up to 5 channels can be registered in Smart Favorites.

1. Select **Smart Favs Setup** (Smart Favs Setup) on the option screen.
2. Select check boxes for preset channels to be registered, and then select **OK** (OK).

TuneStart™ FUNCTION

TuneStart begins playing the current program from the beginning when tuning to a channel registered in Smart Favorites, allowing you to enjoy the complete program.

TuneStart is applicable to channels registered in Smart Favorites. (→P.130)

It is necessary to turn on TuneStart to use this function. (→P.66)

NOTE

Live radio is broadcast immediately after switching from another mode to SiriusXM mode even if the TuneStart setting is turned ON. The TuneStart function starts if switching to a channel registered in Smart Favorites within SiriusXM mode. The TuneStart function is not applicable to programs for which even a little has been listened to from the start.

TuneScan™ FUNCTION

TuneScan is a function used to listen to the first 10 seconds of all recorded programs one after another.

TuneScan is applicable to channels registered in Smart Favorites, and programs that are currently being listened to. (→P.130)

It is necessary to turn on TuneStart to use this function. (→P.66)

1. Select **Tune Scan** (Tune Scan).
 - Select **Tune Scan** (Tune Scan) again when the desired program is reached to continue playing that program.

NOTE

The TuneScan function is not applicable to the following program.

- Program that has been listened to for 30 seconds or longer
- If the start of the program has not been cached
- If the cached program is shorter than 45 seconds (However, this excludes programs that are currently being broadcast.)

And in addition to the above conditions, the TuneScan function may not work depending on the channel or program.

SEARCHING BY FEATURED FAVORITES

Featured Favorites are a collection of channels that are created by the SiriusXM programming team that are updated several times throughout the year.

The desired Featured Favorite channel can be selected from the list screen. (→P.131)

It is necessary to turn on Featured Favorites to listen to a Featured Favorite channel. (→P.66)

SELECTING A CHANNEL FROM THE LIST

1. Select **Browse** (Browse).
2. Select the desired list, and then select the desired channel.



No.	Function	Page
1	Select to display the all channels list.	-
2	Select to display the preset channels list.	-
3	Select to display channel categories and Featured Favorite channel list.	132
4	Select to display the sports channels list.	132

SELECTING FROM CATEGORIES AND FEATURED FAVORITE CHANNEL LIST

1. Select **Category** (Category).



- Received Featured Favorite channels is listed on the top of the list.

2. Select the desired channel.

SELECTING FROM THE SPORTS CHANNELS LIST

1. Select **GameZone** (GameZone).

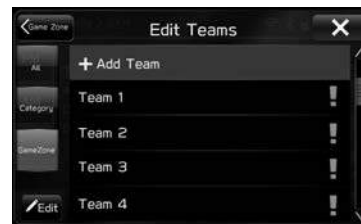


- The teams which is being broadcast at present or the registered team are displayed on the list.
- The order of the item can be changed. (→P.133)

2. Select the desired team.

ADDING TEAMS

1. Select **Edit Teams** (Edit Teams) on the “Game Zone (Game Zone)” screen. (→P.132)
2. Select **Add Team** (Add Team).



3. Select the desired sports.



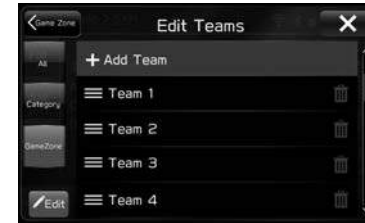
4. Select the desired team.



EDITING THE LIST

1. Select **Edit Teams** (Edit Teams) on the “Game Zone (Game Zone)” screen. (→P.132)
2. Select **Edit** (Edit).

3. Select the desired item to be set.



- : Select to delete the item.
- : Drag an item to the desired position.

SETTING POP UP ALERTS

Pop up alerts can be set to display on the screen.

1. Select **Edit Teams** (Edit Teams) on the “Game Zone (Game Zone)” screen. (→P.132)
2. Select next to the desired item.
3. Select the desired item, and then select **Save** (Save).




MEDIA OPERATION

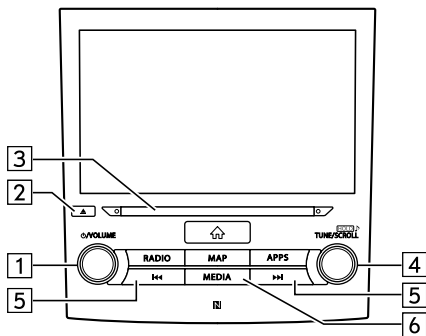
CD (TYPE A/B ONLY)

OVERVIEW

The CD operation screen can be reached by the following methods:

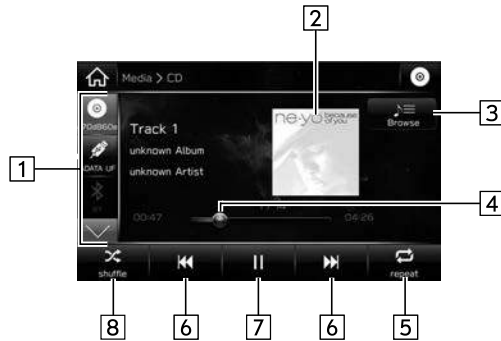
- Insert a disc. (→P.38)
- Select  on the “Media (Media)” screen. (→P.115)

► **Control panel**



No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.
2	Press to eject a disc.
3	Disc slot
4	Turn to select a track. Press and hold to display the sound setting screen. (→P.116)
5	Press to select a track. Press and hold to fast forward/rewind.
6	Press to switch between media sources.

► Control screen



No.	Function
1	Select to switch between other media sources.
2	Displays cover art.

No.	Function
	<p>► Audio CD Select to display a track list.</p> <p>► MP3/WMA/AAC disc Select to display the play mode selection screen.</p> <ul style="list-style-type: none"> • “Artists (Artists)”/“Albums (Albums)”/“Songs (Songs)”/“Playlists (Playlists)”/“Genres (Genres)”/“Composers (Composers)”/“Folders (Folders)”are on the play mode selection screen. • If audio files contain information such as the artist name and album name, select Search OO (Search OO) in each play mode to search by play mode name.
3	
4	Shows progress. The playback location can be changed by dragging the sliders.
5	Select to enable/disable repeat playback of the track currently playing.
6	Select to select a track. Select and hold to fast forward/rewind.
7	Select to pause/play.
8	Select to enable/disable random playback for the tracks currently playing on the CD.

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NOTE

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. Up to 32 characters can be displayed.


If the disc contains no CD-TEXT, only the track number would be displayed on the screen.

USB MEMORY

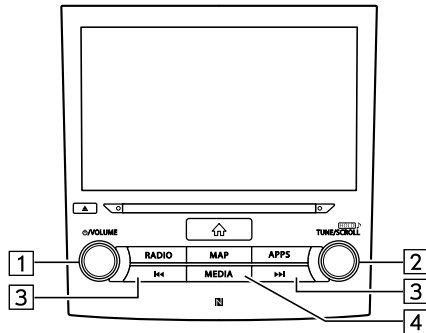
Audio files on the USB memory can be played back.

OVERVIEW

The USB Audio playback screen can be reached by the following methods:

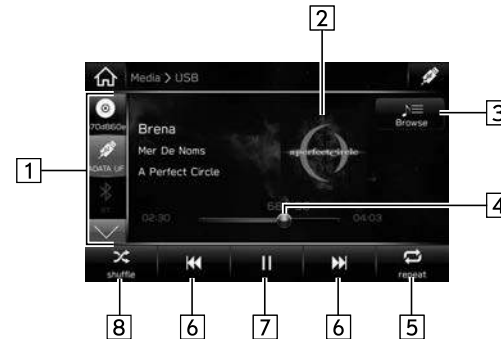
- Connect a USB memory. (→P.39)
- Select  on the “Media (Media)” screen. (→P.115)

► Control panel



No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.
2	Turn to select a track. Press and hold to display the sound setting screen. (→P.116)
3	Press to select a track. Press and hold to fast forward/rewind.
4	Press to switch between media sources.

► Control screen



No.	Function
1	Select to switch between other media sources.
2	Displays cover art.
3	Select to display the play mode selection screen. <ul style="list-style-type: none"> • "Artists (Artists)" / "Albums (Albums)" / "Songs (Songs)" / "Playlists (Playlists)" / "Genres (Genres)" / "Composers (Composers)" / "Folders (Folders)" are on the play mode selection screen. • If audio files contain information such as the artist name and album name, select Search OO (Search OO) in each play mode to search by play mode name.

AUDIO
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No.	Function
4	Shows progress. The playback location can be changed by dragging the sliders.
5	Select to enable/disable repeat playback of the track currently playing.
6	Select to select a track. Select and hold to fast forward/rewind.
7	Select to pause/play.
8	Select to enable/disable random playback for the tracks currently playing from the USB memory.

⚠ WARNING

Do not operate the player's controls or connect the USB memory while driving.

⚠ CAUTION

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.

NOTE


If tag information exists, the file names will be changed to track names.

iPod

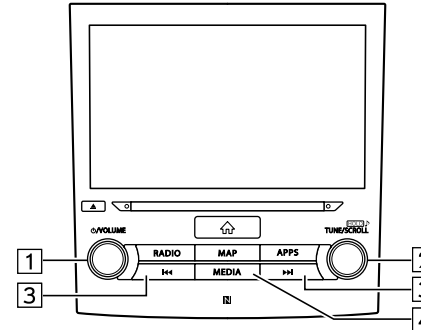
When an iPod is connected, you can play iPod music files. On this unit, you can perform operations such as selecting a file from a list or changing to the random playback mode.

OVERVIEW

The iPod operation screen can be reached by the following methods:

- Connect an iPod. (→P.39)
- Select  on the “Media (Media)” screen. (→P.115)

► Control panel

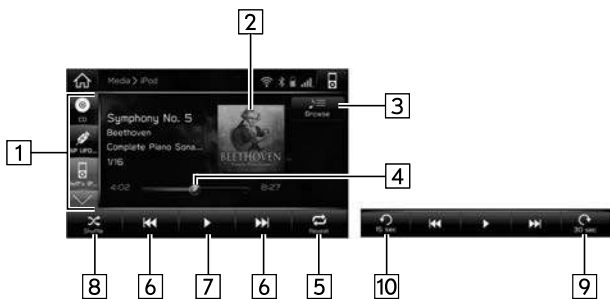


No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.
2	Turn to select a track. Press and hold to display the sound setting screen. (→P.116)
3	Press to select a track. Press and hold to fast forward/rewind.
4	Press to switch between media sources.

AUDIO

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► Control screen



No.	Function
1	Select to switch between other media sources.
2	Displays cover art.
3	Select to display the play mode selection screen. <ul style="list-style-type: none"> • “Artists (Artists)”/“Albums (Albums)”/“Songs (Songs)”/“Playlists (Playlists)”/“Genres (Genres)”/“Composers (Composers)”/“Folders (Folders)”/“Audiobooks (Audiobooks)”/“Podcasts (Podcasts)” are on the play mode selection screen. • If audio files contain information such as the artist name and album name, select Search OO (Search OO) in each play mode to search by play mode name.

No.	Function
4	Shows progress. The playback location can be changed by dragging the sliders.
5	Select to enable/disable repeat playback of the track currently playing.
6	Select to select a track. Select and hold to fast forward/rewind.
7	Select to pause/play.
8	Select to enable/disable random playback for the tracks currently playing on the iPod.
9*	Select to fast forward the current content item for 15 seconds.
10*	Select to rewind the current content item for 15 seconds.

*: Display when playing Audiobooks or Podcasts

⚠ WARNING

Do not operate the player’s controls or connect the iPod while driving.

⚠ CAUTION

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.

NOTE

When an iPod is connected using a genuine iPod cable, the iPod starts charging its battery.

If playing iPod music, perform operation at the system. Certain functions may not be available if played directly from the iPod. Furthermore, depending on the connected iPod, certain functions may not be available.

Depending on the iPod and the songs in the iPod, iPod cover art may be displayed. It may take time to display iPod cover art, and the iPod may not be operated while the cover art display is in process.

When an iPod is connected and the audio source is changed to iPod mode, the iPod will resume playing from the same point it was last used.


Tracks selected by operating a connected iPod may not be recognized or displayed properly.

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.

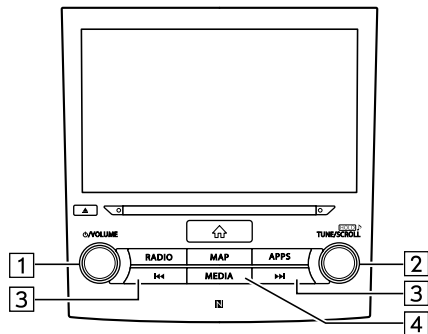
This audio system supports Bluetooth, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth, the Bluetooth audio system will not function.

OVERVIEW

The Bluetooth audio operation screen can be reached by selecting  on the "Media (Media)" screen. (→P.115)

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.

► Control panel



No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.
2	Turn to select a track. Press and hold to display the sound setting screen. (→P.116)
3	Press to select a track. Press and hold to fast forward/rewind.
4	Press to switch between media sources.

► Control screen



No.	Function
1	Select to switch between other media sources.
2	Displays cover art.
3	Select to display the play mode selection screen. • “Artists (Artists)”/“Albums (Albums)”/“Songs (Songs)”/“Playlists (Playlists)”/“Genres (Genres)”/“Composers (Composers)”/“Folders (Folders)”are on the play mode selection screen. • If audio files contain information such as the artist name and album name, select Search OO (Search OO) in each play mode to search by play mode name.

No.	Function
4	Select to display the “Change Device (Change Device)” screen. (→P.144)
5	Shows progress. The playback location can be changed by dragging the sliders.
6	Select to enable/disable repeat playback of the track currently playing.
7	Select to select a track. Select and hold to fast forward/rewind.
8	Select to pause/play.
9	Select to enable/disable random playback for the tracks currently playing on the Bluetooth audio device.

⚠ WARNING

Do not operate the player’s controls or connect to the Bluetooth audio system while driving.

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.

⚠ CAUTION

Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.

AUDIO

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NOTE

Depending on the Bluetooth device that is connected to the system, the music may start playing when selecting **II** 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 device is turned off.
- The Bluetooth device is not connected.
- The Bluetooth device has a low battery.

It may take time to connect the phone when Bluetooth audio is being played.

For operating the portable player, see the instruction manual that comes with it.

If the Bluetooth device is disconnected due to poor reception from the Bluetooth network when the ignition switch is turned to the “ACC” or “ON” position, the system will automatically reconnect to the portable player.

If the Bluetooth device is disconnected on purpose, such as it was turned off, this does not happen. Reconnect the portable player manually.

Bluetooth device information is registered when the Bluetooth device is connected to the Bluetooth audio system. When selling or disposing of the vehicle, remove the Bluetooth audio information from the system. (→P.62)

CONNECTING A Bluetooth DEVICE

To use the Bluetooth audio system, it is necessary to register a Bluetooth device with the system.

▶ Registering an additional device

1. Select **Change Device** (Change Device) on the Bluetooth audio control screen.
2. For more information: →P.57


▶ Selecting a registered device

1. Select **Change Device** (Change Device) on the Bluetooth audio control screen.
2. Select the Bluetooth device to be connected.

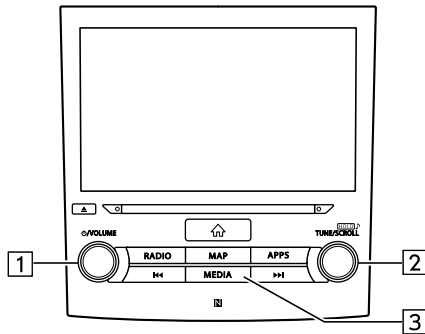
AUX

OVERVIEW

The AUX operation screen can be reached by the following methods:

- Connect a portable audio device. (→P.39)
- Select  on the “Media (Media)” screen. (→P.115)

► Control panel



No.	Function
1	Turn to adjust volume. Press to mute the audio system. Press and hold to turn the audio system on/off.
2	Press and hold to display the sound setting screen. (→P.116)

No.	Function
3	Press to switch between media sources.

► Control screen



No.	Function
1	Select to switch between other media sources.

AUDIO

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 **WARNING**

Do not operate the player's controls or connect the portable audio device while driving.

 **CAUTION**

Do not leave portable audio device in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the player.

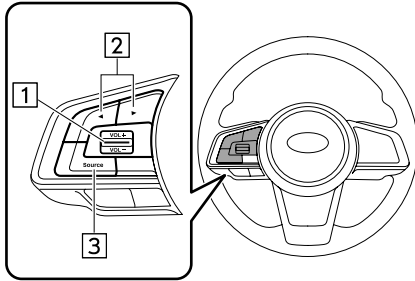
Do not push down on or apply unnecessary pressure to the portable audio device while it is connected as this may damage the portable audio device or its terminal.

Do not insert foreign objects into the port as this may damage the portable audio device or its terminal.

AUDIO REMOTE CONTROLS

STEERING SWITCHES

Some parts of the audio system can be adjusted using the switches on the steering wheel.



No.	Switch
1	"VOL +/VOL -" switch
2	"</>" switch
3	"Source" switch

▶ "VOL +/VOL -" switch

Mode	Operation	Function
Volume	Press	Volume up/down
	Press and hold	Volume up/down continuously

▶ "</>" switch

Mode	Operation	Function
AM/FM Radio, SiriusXM®*1	Press	Preset channel up/down
	Press and hold	Seek up/down continuously
aha	Press	Content up/down
	Press and hold	Rewind the current content item for 15 seconds/ Fast forward the current content item for 30 seconds
Audio CD*1, MP3/WMA/ AAC disc*1, USB, iPod, Bluetooth audio	Press	Select a track
	Press and hold	Fast forward/rewind

AUDIO REMOTE CONTROLS

Mode	Operation	Function
Pandora*2	Press	Track up ("▶" only)
	Press and hold	Thumbs up/down

*1: Type A/B only

*2: Pandora is available in the United States, Australia, and New Zealand.

▶ "Source" switch

Mode	Operation	Function
All	Press	Change audio modes

NOTE

In the aha, Pandora*1 and SUBARU STARLINK*2 mode, some operation may be done on the screen depend on the selected APPS.

*1: Pandora is available in the United States, Australia, and New Zealand.

*2: Type A/B only

TIPS FOR OPERATING THE AUDIO SYSTEM**OPERATING INFORMATION****⚠ CAUTION**

To avoid damage to the audio system:

- Be careful not to spill beverages over the audio system.
- Type A/B only: Do not put anything other than an appropriate disc into the disc slot.

NOTE

The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.

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 25 miles (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, lightening or electrical motors. This results in static.

SiriusXM® (TYPE A/B ONLY)

- Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of SiriusXM® Satellite Radio.
- Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

CD PLAYER AND DISC (TYPE A/B ONLY)

- Extremely high temperatures can keep the CD 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 CD player skip.
- If moisture gets into the CD player, the discs may not be able to be played. Remove the discs from the player and wait until it dries.

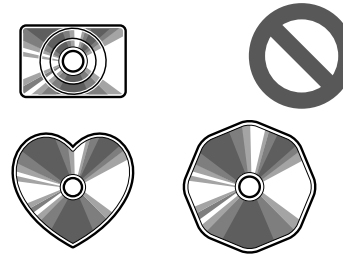
⚠ WARNING

CD players use an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.

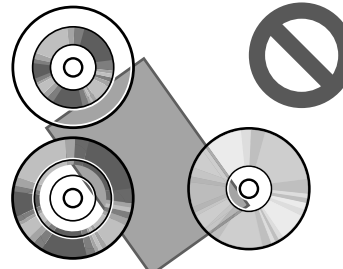
Audio CDs		
		

- Use only discs marked as shown above. The following products may not be playable on your player:
 - SACD
 - dts CD
 - Copy-protected CD
 - Video CD

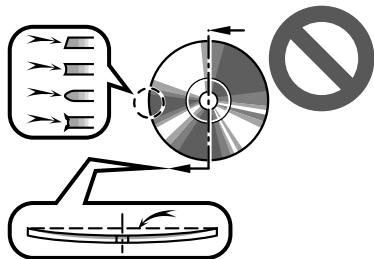
► Special shaped discs



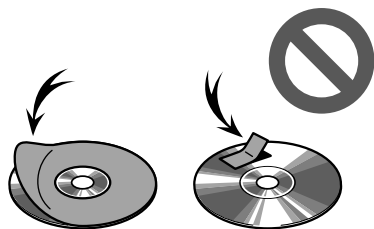
► Transparent/translucent discs



► **Low quality discs**



► **Labeled discs**



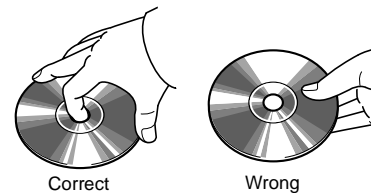
⚠ CAUTION

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.

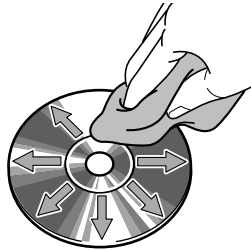
Do not use discs with a protection ring. The use of such discs may damage the player, or it may be impossible to eject the disc.

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 center 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 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 damaged 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 DD CD (Double Density CD) system.

USB MEMORY

- USB communication formats: USB 2.0 HS (480 Mbps) and FS (12 Mbps)
- File formats: FAT 16/32
- Correspondence class: Mass storage class

iPod

The following iPod®, iPod nano®, iPod classic®, iPod touch® and iPhone® devices can be used with this system. Made for

- iPod touch (5th generation)
- iPod touch (4th generation)
- iPod touch (3rd generation)*
- iPod touch (2nd generation)*
- iPod touch (1st generation)*
- iPod classic
- iPod with video*

- iPod nano (7th generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)*
- iPod nano (1st generation)*
- iPhone 5
- iPhone 4S
- iPhone 4*
- iPhone 3GS*
- iPhone 3G*
- iPhone*

*: The voice recognition system not supported

- Depending on differences between models or software versions etc., some models might be incompatible with this system.
- iPod video is not supported.
- For USA customers, please visit www.subaru.com for details. Outside of the USA customers, contact your local dealer to arrange a demonstration in order to confirm whether or not the phone can be paired with the vehicle.

FILE INFORMATION

COMPATIBLE COMPRESSED FILES

Item	USB	DISC*
Compatible file format	MP3/WMA/AAC	
Folders in the device	Maximum 3000	Maximum 192
Files in the device	Maximum 9999	Maximum 255
Files per folder	Maximum 255	—

*: Type A/B only

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 (9.1/9.2)	32/44.1/48
AAC files: MPEG4/AAC-LC	11.025/16/22.05/24/ 32/44.1/48

CORRESPONDING BIT RATES

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 (9.1/9.2)	CBR 48 - 320
AAC files: MPEG4/AAC-LC	16 - 320

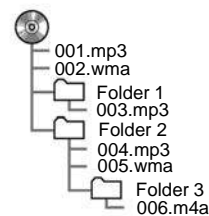
- The player is compatible with VBR (Variable Bit Rate).
- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.
- This system can play MP3/WMA/AAC files on CD-R*, CD-RW discs*, USB memory, and Bluetooth device.

*: Type A/B only

- This system can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system.
- 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 when using multi-session compatible CDs.
- 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.
- 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.
- The MP3/WMA player does not play back MP3/WMA files from discs recorded using packet write data transfer (UDF format). Discs should be recorded using “pre-mastering” software rather than packet-write software.
- m3U playlists are not compatible with the audio device.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio device.

- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if the fast forward or rewind 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:
 001.mp3 → 002.wma . . . → 006.m4a
- The order changes depending on the personal computer and MP3/WMA/AAC encoding software you use.

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 tags are restricted to a certain number of characters, the artist name, track title, and album title 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 separation mark “.” and file extension). Each folder must contain fewer than 8 hierarchies.

m3u

- Playlists created using “WINAMP” software have a playlist file extension (.m3u).

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 is protected by certain intellectual property rights of Microsoft Corporation and third parties. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary and third parties.

AAC

- AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG2 and MPEG4.



7



7

***NAVIGATION SYSTEM
(TYPE A ONLY)***

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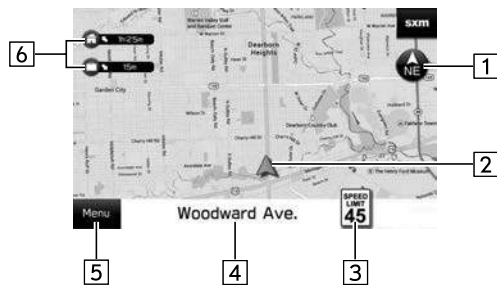
BASIC OPERATION



MAP SCREEN

MAP SCREEN OVERVIEW

The map screen can be reached by the following methods:

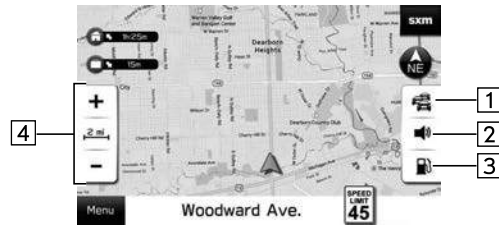
- Press **MAP**.
- Press **HOME**, and then select **Map** (Map).



No.	Information/Function	Page
1	Select to change the map display mode between 2D north-up, 2D heading-up or 3D. In 3D map, only a heading-up view is available.	163
2	Displays the current vehicle position.	-
3	Displays the speed limit of the road currently being travelled on.	-
4	Displays the current street name. Select to display the current location and geo-coordinates, and register the point as home, work or favorite.	166
5	Select to display the destination search menu.	170, 171, 172, 173
6	Select  to set home as the destination. Select  to set work as the destination. The estimated travel time and direction to the home/work is displayed beside the icon. The travel time should update every 10 minutes unless the vehicle is 100 miles or more from the destination.	169

MAP SCREEN BUTTONS OVERVIEW

The map screen buttons can be reached by selecting any point on the map.



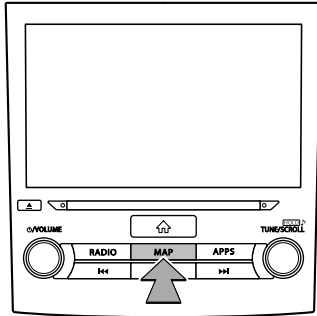
No.	Function	Page
1	Select to set the display of the traffic information on/off.	164
2	Select to mute/unmute the voice guidance.	-

No.	Function	Page
3	Select to search for gas stations. When driving on the highway during route guidance, select to search for gas stations, restaurants or rest areas near the next three highway exits.	173
4	Select to change the map scale.	162

MAP SCREEN OPERATION

CURRENT POSITION DISPLAY

1. Press **MAP**.



2. Check that the current position map is displayed.



- The current position map can also be displayed by pressing **Map** (Map).

- After the map operation, **Resume** (Resume) may be displayed. Select **Resume** (Resume) to return to the previous screen.

NOTE

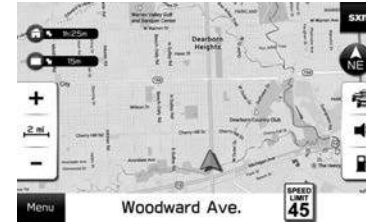
While driving, the current position mark is fixed on the screen and the map moves.

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 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 any point on the map.
2. Select **+** or **-** to change the scale of the map screen.






- Select and hold **+** or **-** to continue changing the scale of the map screen.

NOTE

The scale of the map screen can also be changed by selecting double touch or pinch operation. (→P.40)

ORIENTATION OF THE MAP

The orientation of the map can be changed between 2D north-up, 2D heading-up and 3D.

1. Select , , or .
 - Each time the symbol is selected, the orientation of the map is changes.

▶ 2D north-up

- Regardless of the direction of vehicle travel, north is always up.
- The letter(s) indicate the vehicle's heading direction (e.g. N for north).

▶ 2D heading-up

- The direction of vehicle travel is always up.

▶ 3D heading-up

- The direction of vehicle travel is always up.

MAP SCREEN INFORMATION

POI ICONS

Points of Interest such as gas stations and restaurants can be displayed on the map screen. Their location can also be set as a destination.

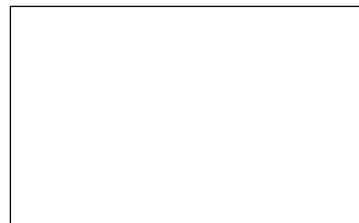


NOTE

The display of POI icons can be set on/off. (→P.183)

TRAFFIC INFORMATION

Road sections affected by traffic conditions are displayed in a different color on the map, and a small icon representing the type of traffic condition is displayed above the road.



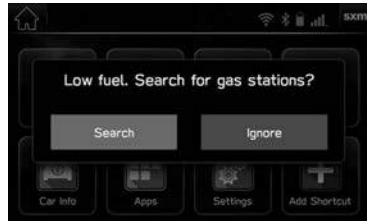
- The display of the traffic information can be set on/off. (→P.161)

OTHER INFORMATION

A pop up window will be displayed according to the driving situation, etc.

► Low fuel warning

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



- **Search** (Search): Select to search for gas stations. (→P.173)
- **Ignore** (Ignore): Select to delete the message.

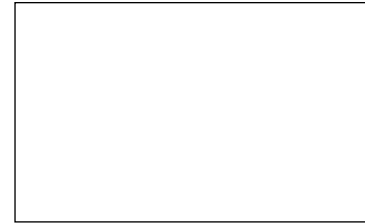
► Periodic rest notification

When you have been driving for a long time, a warning message will pop up on the screen.



- **Search** (Search): Select to search for rest areas.
- **Ignore** (Ignore): Select to delete the message.

► Severe weather warning



- **OK** (OK): Select to delete the message.

MEMORY POINTS

REGISTERING MEMORY POINTS

The desired point can be registered as home, work or favorite.

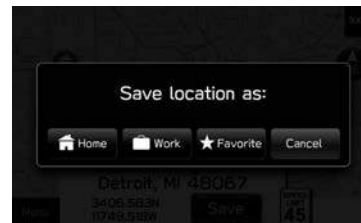
The registered points can be set as a destination.

REGISTERING THE CURRENT POINT

1. Select the current street name.
2. Select **Save** (Save).



3. Select the desired item to be registered to.



4. Select **OK** (OK).
 - The point is registered in the favorite places list. (→P.173)
 - The icons are displayed on the map.

NOTE

Home and work can also be registered from the route options screen (→P.176) or the navigation settings screen (→P.183). Favorite can also be registered from the route calculation screen. (→P.174)

REGISTERING FROM THE MAP

1. Select and hold the desired point on the map or POI icon.
2. Select ☆.



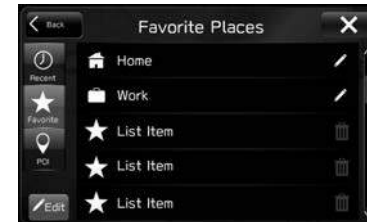
- ☆ is changed to ★ (yellow), and the point is registered in the favorite places list.
- Each time the symbol is selected, the symbol changes between ☆ and ★ (yellow).

EDITING MEMORY POINTS

1. Select **Menu** (Menu).
2. Select **Find POI** (Find POI) or **Recent** (Recent).




3. Select **Favorite** (Favorite).
4. Select **Edit** (Edit).



- : Select to edit the address. (→P.168)
- : Select to delete the item. (→P.168)


EDITING HOME OR WORK

1. Select  next to "Home (Home)" or "Work (Work)".
2. Enter an address, and then select **Search** (Search).
3. Select the desired item from the list, and then select **Save** (Save).
4. Select **Confirm** (Confirm).

NOTE

Home and work can also be edited from the route options screen (→P.176) and the navigation settings screen (→P.183).

DELETING FAVORITE

1. Select  next to the desired item to be deleted.
2. Select **Delete** (Delete).



- **Delete All** (Delete All): Select to delete all items.
- **Cancel** (Cancel): Select to cancel deleting.

NOTE

Favorite can also be deleted from the route calculation screen. (→P.174)

DESTINATION SEARCH

SEARCH OPERATION

There are several ways to search for a destination.

Function	Page
Setting home or work as the destination.	169
Searching on the map.	170
Searching by entering a search word.	170
Searching by POIs.	171
Searching from previously set destinations.	172
Searching from the favorite places list.	173
Searching for gas stations.	173
Searching by phonebook.	81

SETTING HOME OR WORK AS THE DESTINATION

1. Select  or .



- The estimated travel time and direction to the destination is displayed beside the icon.
2. Check that the route calculation screen is displayed. (→P.174)

NOTE


To use this function, it is necessary to register the entry. (→P.166)

Home and work can also be set as the destination from the favorite places list. (→P.173)

SEARCHING ON THE MAP

1. Select and hold the desired point on the map or select POI icon.
2. Select **GO** (GO).



- : Select to search for a destination around the point.
3. Check that the route calculation screen is displayed. (→P.174)

SEARCHING BY ENTERING A SEARCH WORD

The destination can be set by entering a search word, for example an address or a facility name, etc.

1. Select **Menu** (Menu).
2. Select **Search** (Search).



3. Enter the word, and then select **Search** (Search).



No.	Function
1*	Select to set the radius filter. Once the radius filter has been set, only item within the radius will be searched. Each time the button is selected, the radius filter changes between "Along Route (Along Route)", "Near Destination (Near Destination)" and "Near Me (Near Me)".
2	Some candidate destinations are displayed based the input characters. The search result screen is displayed when an item is selected.

*: During route guidance

4. Select the desired item from the list, and then select **GO** (GO).



- : Select to call the registered phone number.
- : Select to open/close the list.

5. Check that the route calculation screen is displayed. (→P.174)

SEARCHING BY POIS

1. Select **Menu** (Menu).
2. Select **Find POI** (Find POI).



3. Select the desired category.



DESTINATION SEARCH

4. Select the desired item from the list, and then select **GO** (GO).



- : Select to call the registered phone number.
- : Select to open/close the list.

5. Check that the route calculation screen is displayed. (→P.174)

SEARCHING FROM PREVIOUSLY SET DESTINATIONS

1. Select **Menu** (Menu).
2. Select **Recent** (Recent).



3. Select the desired item.



4. Check that the route calculation screen is displayed. (→P.174)

DELETING THE ITEM IN THE LIST

1. Select **Edit** (Edit) on the “Recent Places (Recent Places)” screen.
2. Select next to the desired item to be deleted.



3. Select **Delete** (Delete).



- **Delete All** (Delete All): Select to delete all items.
- **Cancel** (Cancel): Select to cancel deleting.

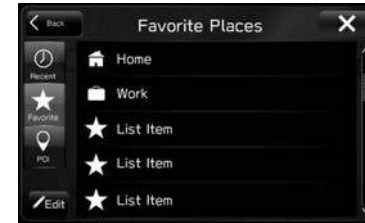
SEARCHING FROM THE FAVORITE PLACES LIST

1. Select **Menu** (Menu).
2. Select **Find POI** (Find POI) or **Recent** (Recent).



3. Select **Favorite** (Favorite).

4. Select the desired item.




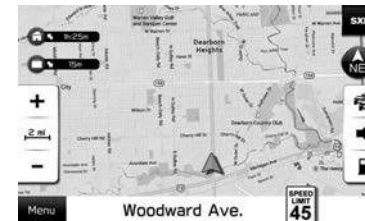
5. Check that the route calculation screen is displayed. (→P.174)

NOTE

To use this function, it is necessary to register the entry. (→P.166)

SEARCHING FOR GAS STATIONS

1. Select any point on the map.
2. Select .



- When driving on the highway during route guidance, gas stations, restaurants or rest areas near the next three highway exits can be selected.



3. Select the desired item from the list, and then select **GO** (GO).



- : Select to call the registered phone number.
4. Check that the route calculation screen is displayed. (→P.174)

ROUTE CALCULATION

ROUTE CALCULATION SCREEN

After searching for the destination, the route calculation screen will be displayed.



No.	Information/Function
1	Select to display the route options screen. (→P.176)
2	Displays the route overview.

No.	Information/Function
3	Select the one of the three recommended routes. <ul style="list-style-type: none"> • Blue: The fastest route • Yellow: The shortest route • Red: An ecological route
4	If TravelLink is available, the weather icon name, name of the weather station closest to the destination, and the High/Low temperature for that location will be displayed. By selecting any of the weather elements, they will be applied to the "Current (Current)" TravelLink weather screen with the appropriate (Destination) weather station selected. For details on TravelLink: →P.109
5	Select to start route guidance.
6	Select to register the point in the favorite places list. (→P.173)

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.

NOTE

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.

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.

ROUTE OPTIONS SCREEN

1. Select  on the route calculation screen.
2. Select the desired item to be set.



No.	Function
1	Select to set the avoidance criteria for the current route.
2	Select to set speed limit information on/off.
3	Select to set the display of the junction view on/off.

No.	Function
4	Select to set the screen mode. "Auto (Auto)": Select to change the screen to day or night mode depending on the position of the headlight switch. "Day (Day)": Select to always display the map in day mode. "Night (Night)": Select to always display the map in night mode.
5	Select to register or edit the home address. • When home has not been registered, Add Home (Add Home) is displayed. • For details on registering or editing the address: →P.168
6	Select to register or edit the work address. • When work has not been registered, Add Work (Add Work) is displayed. • For details on registering or editing the address: →P.168

NOTE

Setting the route in the above method affects the current route only. Route option defaults can be changed from the navigation settings screen. (→P.183)

ROUTE GUIDANCE

ROUTE GUIDANCE

ROUTE GUIDANCE SCREEN

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

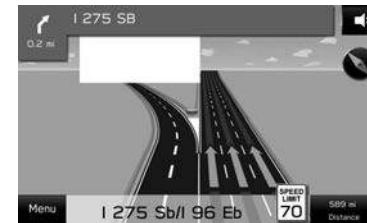


No.	Information/Function
1	Displays the next street name. Select to display the turn/itinerary list. (→P.180, 181)

No.	Information/Function
2	Displays guidance route.
3	Displays the distance, the estimated travel time to the destination, or the estimated arrival time at the destination. Select information box, and then select the desired information.
4	Select to search for a destination or stop the route guidance (→P.181).
5	Displays distance to the next turn with the arrow indicating the turn direction. Select to repeat the last navigation announcement.

► Junction screen

When approaching an expressway exit or a complicated intersection, the map switches to a 3D display if the necessary information can be displayed. An arrow indicates the lane in which you should drive. Signs are also displayed if the information is available.



► **Lane recommendation screen**

When approaching a turning point, the lane recommendation will be displayed automatically.



When approaching a turning point, “Next (Next)” will be displayed automatically.











NOTE

If the vehicle goes off the guidance route, the route is searched again.
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.

STANDARD MAP ICON

The following table shows the most frequently displayed route events.

Icon	Explanation
	Turn left
	Turn right
	U-turn left
	U-turn right
	Keep left at the fork in the road.
	Keep right at the fork in the road.
	Turn left & sharp curve.
	Turn right & sharp curve.
	Stay in the left lane.
	Stay in the right lane.
	Go straight ahead at the intersection.
	Turn left at the T junction.
	Turn right at the T junction.

Icon	Explanation
	Go left at the roundabout. Third exit (next change in direction).
	Join the roundabout (the route change after the next change).
	Join the expressway.
	Leave the expressway.
	Board the ferry.
	Disembark from the ferry.
	You are half way to your destination.
	You have arrived at your destination.

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.

WARNING

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

NOTE

To adjust the voice guidance volume: →P.68
 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.


ROUTE RELATED FUNCTIONS

CHECKING THE ROUTE

1. Select the next street name. (→P.177)
2. Select **Turn List** (Turn List).
3. Select the item to check the route.



EDITING ROUTE

1. Select **Edit** (Edit) on the "Turn List (Turn List)" screen.
2. Select  next to the desired item to be deleted.



- The route will be recalculated automatically.

ADDING DESTINATIONS

1. Search for an additional destination in the same way as a destination search.(→P.169)
2. Select **GO** (GO) on the route calculation screen. (→P.174)
3. Select **Add Waypoint** (Add Waypoint).



- **Replace Route** (Replace Route): Select to replace the existing destination with a new one.
- **Cancel** (Cancel): Select to cancel adding destinations.
- The route will be recalculated automatically.

NOTE


The last entered destination is added as the first destination. The order of destination can be changed. (→P.181)

CHECKING THE ITINERARY

1. Select the next street name. (→P.177)
2. Select **Itinerary** (Itinerary).
3. Select the item to check the itinerary.




REORDERING DESTINATIONS

1. Select **Edit** (Edit) on the “Itinerary (Itinerary)” screen.
2. Select  next to the desired destination, and then drag it to the desired position.



- The route will be recalculated automatically.

DELETING DESTINATIONS

1. Select **Edit** (Edit) on the “Itinerary (Itinerary)” screen.
2. Select  next to the desired item to be deleted.
3. Select **OK** (OK) when the confirmation screen appears.
 - The route will be recalculated automatically.

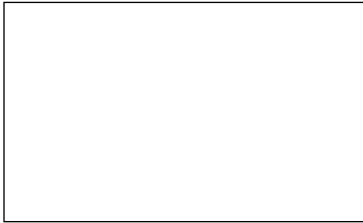
STOPPING ROUTE GUIDANCE

1. Select **Menu** (Menu).
2. Select **Cancel** (Cancel).



REROUTING THE ROUTE

When traffic information of the guidance route has been received, a pop-up window will be displayed to ask if you wish to reroute.



- **Reroute** (Reroute): Select to calculate the new route.
- **Ignore** (Ignore): Select to delete the message.

WEATHER INFORMATION


“At Destination (At Destination)” and “Along Route (Along Route)” weather information can be checked during route guidance using the Travellink function.

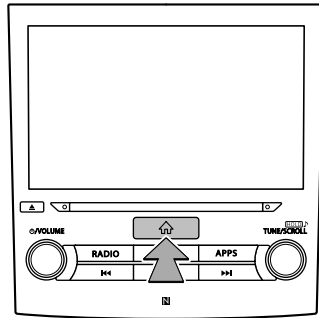
For details on Travellink: →P.109



SETUP

NAVIGATION SETTINGS

1. Press .



2. Select **Settings** (Settings).
3. Select **Navigation** (Navigation).
4. Select the desired item to be set.

NAVIGATION SETTINGS SCREEN





No.	Function
1	Select to set the route type.
2	Select to set the avoidance criteria for the route calculation.
3	Select to set speed limit information on/off.
4	Select to set the display of the junction view on/off.
5	Select to set the screen mode. "Auto (Auto)": Select to change the screen to day or night mode depending on the position of the headlight switch. "Day (Day)": Select to always display the map in day mode. "Night (Night)": Select to always display the map in night mode.

No.	Function
6	Select to register or edit the home address. • When home has not been registered, Add Home (Add Home) is displayed. • For details on registering or editing the address: →P.168
7	Select to register or edit the work address. • When work has not been registered, Add Work (Add Work) is displayed. • For details on registering or editing the address: →P.168
8	Select to set the display of POI icons on/off.

TIPS FOR THE NAVIGATION SYSTEM

GPS (GLOBAL POSITIONING SYSTEM)

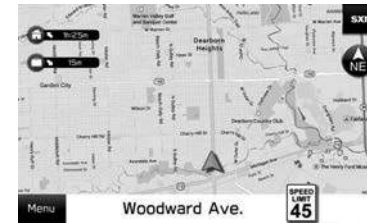
REGARDING ERRORS IN CURRENT POSITION DISPLAY

The system displays the vehicle current position based on GPS information and data from various sensors and road maps. However, when the radiowave signals from GPS satellites are weak or when signals are received from only two satellites or less, errors may occur in the position. Modifying or adjusting the system will not prevent these errors.

LIMITATIONS OF THE NAVIGATION 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.

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 300 ft. (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.



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.

 **CAUTION**

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 freeway and surface streets run in parallel.
 - After moving by ferry or vehicle carrier.
 - When a long route is searched during high speed driving.
 - 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 tire chains installed.

- When the tires are worn.
- After replacing a tire or tires.
- When using tires that are smaller or larger than the factory specifications.
- When the tire pressure in any of the 4 tires is not correct.
- 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 or 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.

NOTE

This navigation system uses tire turning data and is designed to work with factory-specified tires for the vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current position. The tire pressure also affects the diameter of the tires, so make sure that the tire pressure of all 4 tires is correct.

MAP DATA

REGARDING ROADS AND PLACE NAME DATA

When maps are created, land surveys are conducted and information on road improvements and reopening is collected to provide the most accurate information possible. However, modifications to roads, place names and facilities may be carried out at any time. Consequently, we cannot guarantee that map data contains no errors in road positions, configuration and names, or in facility names.

NAVIGATION DATABASE UPDATES

Navigation database can be updated using a USB memory.

For details, contact your SUBARU dealer or visit www.subaru.com.

►Free map update

1. Connect a USB memory containing the new navigation database files.
2. Select **Install Now** (Install Now) to update.
3. Select **OK** (OK).
 - If an error message appears, follow the guidance on the screen to try again.

►Paid map update

1. Connect a USB memory device containing the new navigation database files.
2. Select **Enter PIN** (Enter PIN).
3. Enter your PIN code, and then select **Install** (Install).
4. Select **OK** (OK).
 - If an error message appears, follow the guidance on the screen to try again.

8

***Siri/VOICE
RECOGNITION
SYSTEM***

8

Siri

Siri®

Siri is a function that allows your iPhone and iPod touch to be used without any manual operation by connecting your device to the unit.

To use Siri, connect your device via Bluetooth.

BEFORE USING Siri

This section describes the preparation required to use Siri.

- Register your iPhone or iPod touch in the unit. (→P.54)
- Connect your iPhone or iPod touch to the unit. (→P.57)
- Enable Siri in your iPhone or iPod touch settings. (See Apple website for details.)
- An iPhone and iPod touch data plan: If the data plan for your iPhone and iPod touch does not provide for unlimited data usage, additional charges from your carrier may apply for accessing app-based connected content via 3G, 4G, Wi-Fi, or 4G LTE wireless networks.
- Connection to the internet via 3G, 4G, Wi-Fi, or 4G LTE networks.

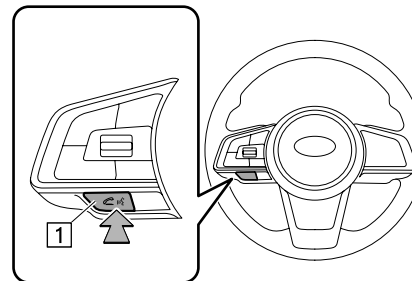
NOTE

Available operations will differ based on your iPhone and iPod touch.

Be careful not to exceed the data usage limits for your iPhone and iPod touch. Doing so will result in additional data usage charges from your phone carrier.

USING Siri

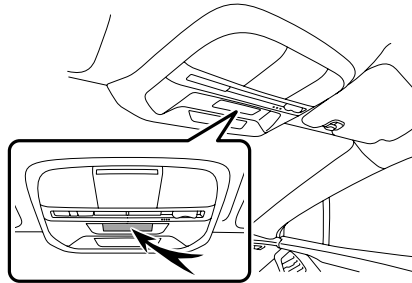
STEERING SWITCH



1 Talk switch

- Press and hold the talk switch to start Siri.
- To cancel Siri, press and hold the talk switch.

MICROPHONE



- It is unnecessary to speak directly into the microphone when using Siri.

Siri OPERATION

1. Press and hold the talk switch.
2. Speak when you hear the beep sound.
 - If required to say more, the system will notify you with the beep sound. Continue speaking.
 - If the system fails to recognize what is being said, or to request a different operation, press the talk switch.
 - To cancel Siri, press and hold the talk switch.

NOTE

Siri cannot be started while placing or receiving hands-free calls with your iPhone and iPod touch (including while holding incoming calls), or while having a hands-free conversation.

Siri cannot be used while using the system's voice recognition function. Start Siri after exiting the voice recognition function.

The system screen will display the calling screen when a hands-free call is placed.

Unit operation while using Siri will differ depending on your iPhone or iPod touch.

Siri may not recognize what is being said if:

- Spoken too quickly.
- Spoken at a low or high volume.
- Driving with a window open.
- Passengers are talking while using Siri.
- The air conditioning speed is set high.
- When air from the ventilator blows directly toward the microphone.

In the following conditions, the system may not recognize what is being said properly, and use of Siri may not be possible.

- What is being said is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for your iPhone or iPod touch to recognize.
- There is excessive background noise, such as wind noise.

Functionality offered by Siri is dependent on the iOS version, and as such, specifications may be subject to change without prior notice.

ABOUT THE SUPPORTED DEVICES FOR Siri

This system supports the following devices.

Supported iOS versions

- iOS6 or later (6, 7)

Supported models

- iPhone 5
- iPhone 4s
- iPod touch (5th generation)

VOICE RECOGNITION SYSTEM OPERATION

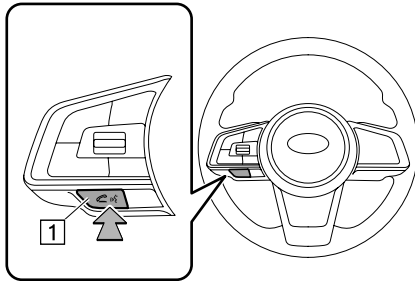
VOICE RECOGNITION SYSTEM

The voice recognition system enables the navigation, audio, hands-free systems, etc. to be operated using voice commands.

Refer to the command list for samples of voice commands.
(→P.197)

USING THE VOICE RECOGNITION SYSTEM

STEERING SWITCH

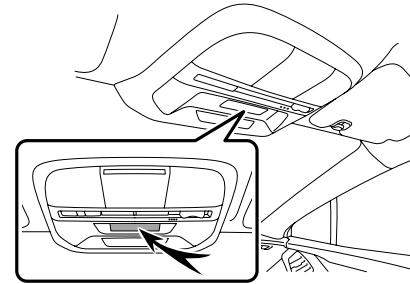


1 Talk switch

- Press the talk switch to start the voice recognition system.

- To cancel voice recognition, press and hold the talk switch or the source switch.

MICROPHONE



- It is unnecessary to speak directly into the microphone when giving a command.

NOTE

Wait for the confirmation beep before speaking a command. Voice commands may not be recognized if:

- Spoken too quickly.
- Spoken at a low or high volume.
- Driving with a window open.
- Passengers are talking while voice commands are spoken.
- The air conditioning speed is set high.
- When air from the ventilator blows directly toward the microphone.

NOTE

In the following conditions, the system may not recognize the command properly and using voice commands may not be possible:

- 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.

VOICE RECOGNITION SYSTEM OPERATION**1.** Press the talk switch.

- After the voice recognition top screen has been displayed, speech guidance will commence.

NOTE

A caution display appears after pressing the talk switch while an external device is connected and the stored data is being read. Be sure to start the operation after the caution display disappears.

When the voice recognition mode is in audio mode, voice guidance for the voice recognition system can be skipped by pressing the talk switch.

2. Say the command.

- Selecting **Help** (Help) or saying **“Help”** prompts voice guidance to offer examples of commands and operation methods.
- To cancel voice recognition, select **X**, or press and hold the talk switch.

NOTE

If the system does not respond or the confirmation screen does not disappear, press the talk switch and try again.

Voice recognition prompts can be set. Some voice guidance can be canceled by setting voice prompts to off. Use this setting when it is desirable to say a command immediately after pressing the talk switch and hearing a beep.

- Voice recognition prompts: →P.62
- Voice recognition prompts volume: →P.68

Turn the “**VOLUME**” knob, or use the volume control switch on the steering wheel to adjust the speech guidance volume.

The system's voice recognition function cannot be used while using Siri. Start the voice recognition function after exiting Siri.

VOICE COMMAND EXAMPLE: SEARCH FOR A SONG

1. Press the talk switch.
2. Say "**Play song <name>**".
 - A confirmation screen will be displayed showing the recognition result, and the system starts playing music.
 - If multiple matching items are found, a selection screen will be displayed. Say "**<number>**" or select the number. The system then starts playing music.

NOTE

Type A/B only: The Gracenote database is only compatible with USB or iPod mode.

USB memory or iPod must be connected to enable track searching and playback. (→P.39)

When USB memory or iPod is connected, recognition data is created so tracks can be searched using voice commands.

Recognition data is updated under the following conditions:

- When USB memory or iPod data has changed.
- When the voice recognition language is changed. (→P.62)

While the recognition data is being created or being updated, a track search cannot be performed using a voice command.

VOICE COMMAND EXAMPLE: CALL NAME

1. Press the talk switch.
2. Say "**Call <contacts> <phone types>**".
 - If multiple matching items are found, a selection screen will be displayed. Say "**<number>**" or select the number.

NOTE

In the same manner as it is displayed on the screen, "Call <contacts> <phone types> (Call <contacts> <phone types>)", after saying "**Call a contact**" say the name, or the name and type of phone, of a contact.

For example: "**Call a contact**", "**John Smith**" or "**Call a contact**", "**Mary Davis**", "**Mobile**"

There are 3 types of phones: Home, Work and Mobile.


Short or abbreviated names in the contacts list may not be recognized. Change names in the contacts list to full names.

Sometimes a voice recognition result confirmation screen will be displayed. After confirming the result, say "**Yes**" or "**No**".

When the system recognizes multiple names from the contacts list, a name candidate list will be displayed on the screen. If the desired name is not displayed on the top of the screen, say or select the number of the name from the candidate list (number 1, number 2, etc.) to select a name from the candidate list.

When a contact has multiple phone numbers registered in the contacts list, a candidate list will be displayed. If the desired phone number is not displayed on the top of the screen, say or select the number of the desired phone number from the candidate list (number 1, number 2, etc.) to select a phone number from the candidate list.

VOICE COMMAND EXAMPLE: DIAL NUMBER

1. Press the talk switch.
2. Say “**Dial <Number>**”.
 - Say the phone number one digit at a time.
For example, if the phone number is “4251231234”:
Say “**four two five one two three one two three four**”.
3. When the confirmation screen appears, say “**Yes**”, select **Yes** (Yes), or press the  switch on the steering wheel.
 - Try saying the complete number. If it is not recognized, however, numbers can be added, deleted, or changed.

VOICE COMMAND EXAMPLE: ENTERING ADDRESS (TYPE A ONLY)

1. Press the talk switch.
2. Say “**Navigate to <full address with city and state>**”.
 - Say the whole address without any pauses between “**<house number><street name><city and state>**”. If there are any pauses between parts of the destination address, the system may not be able to recognize voice command operation.

COMMAND LIST

Recognizable voice commands and their actions are shown below.

- Frequently used commands are listed in the following tables.
- For devices that are not installed in the vehicle, the related commands will not be displayed in the screen. Also, according to conditions, other commands may not be displayed in the screen.
- The functions available may vary according to the system installed.
- Voice recognition language can be changed. (→P.62)

NOTE

The notations used in the commands are as follows.

- [○○○]: Numbers, titles, or names to be spoken
- (○○○): Choose one of the command from within the brackets

► Main commands

Voice command	Function
Enter an Address*	Enables setting a destination by saying the address
Navigate to [House Number, Street, City, State]*	Enables setting a destination by saying the address with city and state
Call [Name]	Place a call to the said contact name
Dial [Number]	Places a call to the said phone number
Find Nearest [POI]*	Displays a list of POI category near the current position
Help	Changes to help screen

*: Type A only

► Navigation commands*

*: Type A only

Voice command	Function
Enter an Address	Enables setting a destination by saying the address
Enter Country	Enables setting the country
Navigate to [House Number, Street, City, State]	Enables setting a destination by saying the address with city and state
Drive Home	Displays the route to home
Drive to Work	Displays the route to work
Find Nearest [POI]	Displays a list of POI category near the current position
Find Gas Station	Displays the list of gas station near the current position
Find Parking Lot	Displays the list of parking lot near the current position
Show Map	Displays the map screen
Stop Route	Cancels route guidance
Where am I	Displays current location on map
Navigation Help	Displays a list of voice commands related to navigation

► Phone commands

Voice command	Function
Send a Text Message to [Name] [Phone Type]	Send the preset message to the said contact name and phone type of the contact from the phonebook
Call [Name] [Phone Type]	Place a call to the said contact name and phone type of the contact from the phonebook
Dial [Number]	Places a call to the said phone number
Redial	Places a call to the phone number of the latest outgoing call
Paired Phones	Displays the phone settings screen
Recent Calls	Displays the call history screen
Missed Calls	Displays the missed call list screen
Reply to Text Message	Reply to text message
View Text Messages	Displays the message inbox screen
Phone help	Displays a list of voice commands related to controlling your phone

► **Media commands**

Voice command	Function
Track [Number]	Plays the selected track
Play Song [Song Name]	Plays the selected song
Play Album [Album Name]	Plays tracks from the selected album
Play Artist [Artist Name]	Plays tracks from the selected artist
Play Genre [Genre Name]	Plays tracks from the selected genre
Play Playlist [Playlist Name]	Plays tracks from the selected playlist
Play Podcast [Podcast Name]	Plays the selected podcast
Play Audiobook [Book Name]	Plays the selected audiobook
Play Composer [Composer Name]	Plays tracks from the selected composer

Voice command	Function
Show (Songs/Albums/Artists/Genres/Playlists/Podcasts/Audiobooks/Composers)	Displays the list of Songs/Albums/Artists/Genres/Playlists/ Podcasts/Audiobooks/ Composers
Shuffle (On/Off)	Turn shuffle on/off
Browse Album [Album Name]	Displays the list of songs of the album
Browse Artist [Artist Name]	Displays the list of albums of the artist
Browse Genre [Genre Name]	Displays the list of artists of genre
Browse Playlist [Playlist Name]	Displays the list of playlist
Browse Composer [Composer Name]	Displays the list of albums from the composer
Media Help	Displays a list of commands related to the radio

► **Radio commands**

Voice command	Function
Tune to [Frequency] (FM/AM)	Switches to FM/AM and tunes to said frequency
Station [FM Station Name]	Switches to the spoken FM station
Preset [Number]	Switches to the preset channel
Satellite Channel [Name or Channel Number]*	Switches to satellite channel number
Satellite Category [Category Name]*	Displays the list of Satellite Channels of the spoken category
Radio Help	Displays a list of commands related to the radio

*: Type A/B only

► **Climate commands***

*: Type A/B only

Voice command	Function
Auto AC (On/Off)	Switches on the Auto AC mode On/Off
Max AC (On/Off)	Switches on the Maximum AC mode On/Off
Fan (On/Off)	Turns Fan to Level 3/Off
Set Fan Speed to [1-5]	Sets the Fan Speed to Spoken Fan Speed
(Increase/Decrease) Fan Speed	Increments/Decrements Fan Speed
Set Driver Temperature to [Number]	Sets the Driver temperature to Spoken Temperature
Set Passenger Temperature to [Number]	Sets the Passenger temperature to Spoken Temperature
(Increase/ Decrease) Driver Temperature	Increments/Decrements Driver temperature
(Increase/ Decrease) Passenger Temperature	Increments/Decrements Passenger temperature
Set Temperature to [Number]	Sets the temperature to Spoken Temperature

Voice command	Function
(Increase / Decrease) Temperature	Increments/Decrements temperature
Set Both Temperatures to [Number]	Sets the Both temperature to Spoken Temperature
(Increase / Decrease) Both Temperatures	Increments/Decrements Both temperature

► **More commands**

Voice command	Function
Change Source to (AM/FM/USB/ iPod/ Bluetooth/ Auxiliary)	Changes source to AM/FM/USB/ iPod/ Bluetooth/ Auxiliary
Go to (Radio/Media/ Phone/CarPlay/ Android Auto/Home/ Settings/Apps)	Changes screen to Radio/Media/Phone/ CarPlay/Android Auto/Home/Settings/ Apps
Gas Prices* ¹	Changes screen to TravelLink Fuel Prices
Sports Scores* ¹	Changes screen to TravelLink Sports Scores

Voice command	Function
Stocks* ¹	Changes screen to TravelLink Stock Prices
Weather* ¹	Changes screen to TravelLink Weather
Go to Aha	Changes screen to Aha
Go to Pandora* ²	Changes screen to Pandora
Go to CarPlay	Changes screen to carplay auto projection mode
Go to Android Auto	Changes screen to android auto projection mode
Repeat	Play back last dialog prompt
Cancel	Cancel current dialog session

*¹: Type A/B only

*²: Pandora is available in the United States, Australia, and New Zealand.

9

***APPENDIX/WHAT TO
DO IF/INDEX***

9

MAP DATABASE INFORMATION AND UPDATES (TYPE A ONLY)

End User Licence Agreement

1 The contracting parties

1.1 This Agreement has been entered into by and between FUJITSU TEN LIMITED (2-28, Goshō-dori 1 Chome Hyogo-ku, Kobe, 652-8510, Japan) as Licensor (hereinafter: Licensor) and You as the User (hereinafter: User; the User and the Licensor jointly referred to as: Parties) in subject of the use of the software products specified in this Agreement.

2 Conclusion of the Agreement

2.1 The Parties hereby acknowledge that this Agreement shall be concluded by implicit conduct of the Parties without signing the Agreement.

2.2 The User hereby acknowledges that following the lawful acquisition of the software product constituting the object of this Agreement (Section 4), any degree of use, installation into a computer or other hardware, installation of such hardware into a vehicle, pressing of the "Accept" button displayed by the software during installation or use (hereinafter referred to as Use) shall mean that the User has accepted the terms and conditions of this Agreement as legally binding.

2.3 This Agreement shall by no means authorise use of the software product by those persons having unlawfully acquired the software product or having unlawfully installed it on a computer or in a vehicle.

3 Relevant laws and regulations

3.1 Any action related to this Agreement will be governed by the laws of the Republic of Hungary, with specific reference to Act IV of 1959 on the Civil Code and to Act LXXVI of 1999 on Copyrights shall apply.

3.2 The original language version of this Agreement is the Hungarian version. This Agreement has versions in other languages as well. In case of dispute the Hungarian version shall prevail.

4 Object of the Agreement and Termination

4.1 The object of this Agreement shall be the navigation guidance software product of Licensor as licensed from NNG Lic. (seated: Szepvolgyi út 35-37, Budapest 1037 Hungary, European Union) (hereinafter referred to as: the Software Product).

4.2 The Software Product shall include the operating computer program, its complete documentation, the map database pertaining thereto and any third-party contents and services accessible through the Software Product (hereinafter: Database).

4.3 Any form of display, storage, coding, including printed, electronic or graphic display, storage, source or object code, or any other as yet undefined form of display, storage, or coding, or any medium thereof shall be deemed parts of the Software Product.

4.4 Error corrections, additions, updates used by the User following the conclusion of this Agreement shall also be deemed parts of the Software Product.

4.5. Your rights under this Agreement will terminate immediately without notice from Licensor if you materially breach it or take any action in derogation of Licensor's and/or its licensors' rights to the Software Product. Licensor may terminate this Agreement should any Software Product become, or in Licensor's reasonable opinion likely to become, the subject of a claim of intellectual property infringement or trade secret misappropriation. Upon termination, you will cease use of, and destroy Software Product and confirm compliance in writing to Licensor

5 Rights under copyright

5.1 Unless otherwise provided by law or contractual provisions, NNG Lic. is the sole and exclusive owner of all material copyrights vested in the Software Product and Licensor provides You a sublicense to the Software Product.

5.2 Copyrights extend to the whole Software Product and to its parts separately as well.

5.3 The owner(s) of the copyrights of the Database forming part of the Software Product is (are) the natural person(s) or corporate entity(ies) listed in the Appendix to this Agreement or in the "About" menu item of the operating computer programme (hereinafter referred to as Database Owner). The user's manual of the Software Product includes the name of the menu option where all the owners of the Database items are listed. The Licensor hereby states that it has obtained sufficient usage and representation rights from the Database owners in order to utilise the Database, to offer it for utilisation and to transfer it for utilisation as set forth in this Agreement.

5.4 Pursuant to this Agreement, all rights vested in the Software Product shall remain in the ownership of NNG Lic., except for those to which the User is entitled under law or by virtue of this Agreement.

6 Rights of the User

6.1 The User is entitled to install the Software Product into one hardware device (desktop, handheld, portable computer, navigation device), and to run and use one copy of the Software Product or a preinstalled copy of the Software Product thereon.

6.2 The User is entitled to make one backup copy of the Software Product. However, if the Software Product operates after installation without the use of the original media copy, then the original media copy shall be deemed to be a backup copy. In all other cases, the User is only entitled to use the backup copy if the original media copy of the Software Product has been ascertainably and unequivocally rendered unsuitable for its lawful and intended use.

7 Limitations of use

7.1 The User is not entitled

7.1.1 to duplicate the Software Product (to make a copy thereof);

7.1.2 to lease, rent or lend it or to transfer it to a third person for any reason;

7.1.3 to translate the Software Product (including translation (compilation) to other programming languages);

7.1.4 to decompile the Software Product;

7.1.5 to evade the protection of the Software Product or to modify, circumvent or obviate such protection through technological or by any other means;

7.1.6 to modify, extend, transform the Software Product (in whole or in part), to separate it into parts, combine it with other products, install it in other products, utilise it in other products, not even for the purpose of achieving interoperability with other devices;

7.1.7 apart from using the computer program, to obtain information from the Database as a part of the Software Product, to decompile the Database, to use, copy, modify, extend, transform the Database in whole or in part or the group of data stored therein, or to install it in other products or otherwise, utilise it in other products or to transfer it, not even with the aim of achieving interoperability with other products.

7.2 The User may only use the content available through the Software Product and provided by third parties and the data received through the services provided by third parties (including but not limited to the traffic data received from the RDS TMC traffic information service) for his/her own personal benefit and at his/her own risk. It is strictly prohibited to store, to transfer or to distribute these data or contents or to disclose them in full or in part to the public in any format or to download them from the product.

8 No warranty, limitation of liability

8.1 The Licensor hereby informs the User that although the greatest care was taken in producing the Software Product, given the nature of the Software Product and its technical limitations, the Licensor does not provide a warranty for the Software Product being completely error-free, and the Licensor is not bound by any contractual obligation whereby the Software Product obtained by the User should be completely error-free.

8.2 The Licensor does not warrant that the Software Product is suitable for any purpose defined either by the Licensor or User, and does not warrant that the Software Product is capable of interoperating with any other system, device or product (e.g. software or hardware).

8.3 The Licensor does not assume any responsibility for damages incurred due to an error in the Software Product (including errors of the computer program, the documentation and the Database).

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9.1.2 demand that the breach cease and order the person in breach to refrain from continuing such actions;

9.1.3 demand that the person under breach give proper compensation (even by way of publicity at the expense of the person in breach);

9.1.4 claim the return of the increase of assets due to the breach;

9.1.5 demand the cease of the wrongful action and, demand restitution to its state before the breach was committed at the expense of the person in breach, and may demand the destruction of instruments and materials used to commit the breach as well as of the products created by the breach;

9.1.6 claim for damages.

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CERTIFICATION

CERTIFICATION

SiriusXM® Satellite Radio (TYPE A/B ONLY)



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SiriusXM DATA SERVICE (TYPE A/B ONLY)

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RADIO WAVE COMMUNICATIONS

► U.S.A.

• FCC ID: 2AHPN-BE2819

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ WARNING

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION: Radio Frequency Radiation Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body in normal use position.

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

► **Canada**

● **IC: 6434C-BE2819**

- This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

⚠ WARNING

CAUTION: Radio Frequency Radiation Exposure

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

ATTENTION : l'exposition aux rayonnements radiofréquence - Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

► México



● RCPFUFT14-1151

- La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

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HOW TO GET THE SOURCE CODE USING THE OPEN SOURCE

This system implements software using the open source. For customers who would like to get the source code of the software, it is available by downloading it from the web site of Clarion, Co., Ltd.

For details, refer to the following web site.

<http://www.clarion.com/us/en/support/index.html>

WHAT TO DO IF

TROUBLESHOOTING

RADIO OPERATION (TYPE A/B ONLY)

Experience	Cause	Action
Mismatch of time alignment- a user may hear a short period of programming replayed or an echo, stutter or skip.	The radio stations analog and digital volume is not properly aligned or the station is in ballgame mode.	None, radio broadcast issue. A user can contact the radio station.
Sound fades, blending in and out.	Radio is shifting between analog and digital audio.	Reception issue, may clear-up as the vehicle continues to be driven. Turning the indicator of the HD Radio button off can force radio in an analog audio.
Audio mute condition when an HD2/HD3 multicast channel had been playing.	The radio does not have access to digital signals at the moment.	This is normal behavior, wait until the digital signal returns. If out of the coverage area, seek a new station.
Audio mute delay when selecting an HD2/ HD3 multicast channel preset.	The digital multicast content is not available until HD Radio™ broadcast can be decoded and make the audio available. This takes up to 7 seconds.	This is normal behavior, wait for the audio to become available.
Text information does not match the present song audio.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; www.ibequity.com/automotive/report_radio_station_experiences .

WHAT TO DO IF

Experience	Cause	Action
No text information shown for the present selected frequency.	Data service issue by the radio broadcaster.	Broadcaster should be notified. Complete the form; www.ibiquity.com/automotive/report_radio_station_experiences .

PHONE

If there is a problem with the hands-free system or a Bluetooth device, first check the table below.

► When using the hands-free system with a Bluetooth device

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
The hands-free system or Bluetooth device does not work.	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. For USA customers, please visit www.subaru.com for details. Outside of the USA customers, contact your local dealer to arrange a demonstration in order to confirm whether or not the phone can be paired with the vehicle.	*	55
	The Bluetooth version of the connected cellular phone may be older than the specified version.	Use a cellular phone with Bluetooth version 1.1 or higher. Recommended: • Type A/B only: Ver. 3.0 +EDR or higher • Type C only: Ver. 2.1 +EDR or higher	*	55

*: For details, refer to the owner's manual that came with the cellular phone.

► **When registering/connecting a cellular phone**

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A cellular phone cannot be registered.	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.	*	59
A Bluetooth connection cannot be made.	Another Bluetooth device is already connected.	Manually connect the cellular phone you wish to use to this system.	-	57
	Bluetooth function is not enabled on the cellular phone.	Enable the Bluetooth function on the cellular phone.	*	-

*: For details, refer to the owner's manual that came with the cellular phone.

► **When making/receiving a call**

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A call cannot be made/received.	Your vehicle is in a "No Service" area.	Move into the service area.	-	-

► **When using the phonebook**

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Phonebook data cannot be transferred automatically.	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. For USA customers, please visit www.subaru.com for details. Outside of the USA customers, contact your local dealer to arrange a demonstration in order to confirm whether or not the phone can be paired with the vehicle.	*	55
	Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on.	-	59

*: For details, refer to the owner's manual that came with the cellular phone.

► **When using the Bluetooth message function**

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Messages cannot be viewed.	Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).	*	-

*: For details, refer to the owner's manual that came with the cellular phone.

► In other situations

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Even though all conceivable measures have been taken, the symptom status does not change.	The cellular phone is not close enough to this system.	Bring the cellular phone closer to this system.	-	-
	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.	*	-
		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.

ERROR MESSAGES

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

Mode	Message	Cause	Action
FM radio	"No stations available. (No stations available.)"	Displayed when the FM radio signal is lost (while accessing).	Try to receive the signal again in a location free from obstructions.
HD Radio*1	"No HD Radio signal available. (No HD Radio signal available.)"	The HD Radio reception is poor.	Try to receive the signal again in a location free from obstructions.
	"No channels available. (No channels available.)"	Displayed when the HD Radio signal is lost (while accessing).	Try to receive the signal again in a location free from obstructions.
	"Saving the HD Radio tag was unsuccessful. (Saving the HD Radio tag was unsuccessful.)"	Failed to save the tag information.	Acquire the tag information again.

ERROR MESSAGES

Mode	Message	Cause	Action
SiriusXM®*1	“Check Antenna (Check Antenna)”	The SiriusXM antenna is not connected.	Check whether the SiriusXM antenna cable is attached securely.
	“Antenna Disconnected (Antenna Disconnected)”		
	“Antenna Shorted (Antenna Shorted)”	A short circuit occurs in the antenna or the surrounding antenna cable.	See a SUBARU certified dealer for assistance.
	“No Signal (No Signal)”	The SiriusXM signal is too weak at the current location.	Wait until your vehicle reaches a location with a stronger signal.
	“Ch Unavailable (Ch Unavailable)”	The channel you selected is no longer available.	Wait for a few seconds until the radio returns to the previous channel or “Ch 001”. If it does not change automatically, select another channel.
	“Ch Unsubscribed (Ch Unsubscribed)”	The current radio station is no longer available due to changes in the contract status.	Wait for a few seconds until the radio returns to the previous channel or “Ch 001”. If it does not change automatically, select another channel.



Mode	Message	Cause	Action
CD*1	"No music files found. (No music files found.)"	This indicates that no MP3/WMA/AAC files are included in the disc.	Insert a disc on which playable music data is recorded.
	"Check DISC (Check DISC)"	It indicates that the disc is dirty, damaged, or it was inserted upside down.	Clean the disc or insert it correctly.
	"DISC Error (DISC Error)"	There is a trouble inside the system.	Eject the disc.
USB	"No music files found. (No music files found.)"	This indicates that no MP3/WMA/AAC files are included in the USB memory.	Connect a USB memory in which playable music data is stored.
	"No video files found. (No video files found.)"	This indicates that there is no video data in the USB memory.	Connect a USB memory in which playable video data is stored.
	"USB Error (USB Error)"	Because an over current was detected.	Stop using the device for a short time and then try again.

ERROR MESSAGES

Mode	Message	Cause	Action
iPod	"No music files found. (No music files found.)"	This indicates that there is no music data in the iPod.	Connect a iPod in which playable music data is stored.
	"iPod Error. (iPod Error.)"	<ul style="list-style-type: none"> • Playback failure or communication abnormality. • Because an over current was detected. 	<ul style="list-style-type: none"> • Connect a iPod correctly. (→P.39) • Stop using the device for a short time and then try again.
	"Please check the iPod firmware version. (Please check the iPod firmware version.)"	This indicates that the software version is not compatible.	Perform the iPod firmware updates and try again.
	"iPod authorization has failed. (iPod authorization has failed.)"	This indicates that it failed to authorize the iPod.	Please check your iPod.
	"iPod storage is full. Tags cannot be stored. (iPod storage is full. Tags cannot be stored.)"	There is no space remaining in the iPod memory.	Connect an iPod with space remaining in its memory.
Bluetooth Audio	"Music tracks not supported. Please check your audio player. (Music tracks not supported. Please check your audio player.)"	A device that is incompatible with audio playback was connected.	<ul style="list-style-type: none"> • Check the device settings. • Connect a device that is compatible with audio playback.

Mode	Message	Cause	Action
SUBARU STARLINK*1	Please disconnect mobile device and install the SUBARU STARLINK application on your mobile device and try again.	<ul style="list-style-type: none"> • The SUBARU STARLINK application has not been installed on your smartphone. • Your smartphone power was turned OFF. • The Bluetooth connection has been lost. • The signal quality is weak. • Lines are congested. 	<ul style="list-style-type: none"> • Install the SUBARU STARLINK application. • Turn ON the your smartphone power. • Check the Bluetooth connection. • Move the car and connect to SUBARU STARLINK again. • Wait a short while and connect to SUBARU STARLINK again. • Start the SUBARU STARLINK application on your smartphone, check the service availability, and then reconnect.
	Bluetooth disconnected, please reconnect and try again.		
	Smartphone data connection is poor, please try to connect again.		
aha	“Information acquisition error. (Information acquisition error.)”	When not able to get the requested information.	Please try again (Refresh etc.) later or reconnect it.
	“Poor wireless reception. (Poor wireless reception.)”	When a communication error has been detected.	Please try again in a better communications environment.
	“Entry not recognized. (Entry not recognized.)”	When an invalid operation has been executed.	Please try again (Refresh etc.) later or reconnect it.
	“The station list cannot be acquired. (The station list cannot be acquired.)”	When not able to get the station information.	Please try again (Refresh etc.) later or reconnect it.

ERROR MESSAGES

Mode	Message	Cause	Action
aha	"The content cannot be acquired. (The content cannot be acquired.)"	<ul style="list-style-type: none"> When not able to get the content information. When not able to switch to the Top content when selecting . 	<ul style="list-style-type: none"> Please try again (Refresh etc.) later or reconnect it. Select the desired station again when the station list appears.
	"Action not available. (Action not available.)"	When content-specific operations such as "fast forward" or "rewind" are not available.	Please try again (Refresh etc.) later or reconnect it.
	"Failed. (Failed.)"	When data transmission failed when selecting  .	Please try again later.
	"aha communication error - Please check Owner's Manual. (aha communication error - Please check Owner's Manual.)"	<ul style="list-style-type: none"> When invalid data is received from the aha application or there is no response. When the connection to the aha application via Bluetooth is not available. When the data reception from this unit is rejected. 	Please try again (Refresh etc.) later or reconnect it. If it is still not improved, restart the aha application.

Mode	Message	Cause	Action
Pandora*2	"No stations have been added to your list. (No stations have been added to your list.)"	When no stations have been registered.	Please register stations.
	"Your ratings information was not saved. (Your ratings information was not saved.)"	When ratings information has not been updated to the Pandora server.	Please try again later.
	"Bookmark not saved. (Bookmark not saved.)"	When bookmark registration information has not been updated to the Pandora server.	Please try again later.
	"Pandora is not available at your current location. (Pandora is not available at your current location.)"	When Pandora is used in an area where it is not available.	Please try again at a different location.
	"The selected Pandora station is no longer available. (The selected Pandora station is no longer available.)"	When the selected station has been deleted, or has expired.	Please select another station.
	"Pandora Error. (Pandora Error.)"	When the Pandora server is undergoing maintenance, or another error has occurred.	Please try again later.

*1: Type A/B only

*2: Pandora is available in the United States, Australia, and New Zealand.

NOTE

If the malfunction is not rectified: Take your vehicle to your SUBARU dealer.

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