

F I A T I 2 4 S P I D E R



7 . 0 C O N N E C T

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## INTRODUCTION

The vehicle is equipped with an audio system designed according to the specific characteristics of the passenger compartment, with a customized design that matches the style of the dashboard.

The system is installed in an ergonomic position for the driver and passenger, and controls can be quickly located from the graphical display on the front, making the device easy to use.

The instructions for use are given below and we recommend you read them carefully and always keep them on hand (for example, in the glove compartment).

Enjoy reading. Happy motoring!

**Note:** The information in this publication is provided by way of example. FCA can modify the content of this publication at any time, for technical or commercial purposes. For further information, contact an authorized dealer.

## TIPS, CONTROLS, AND GENERAL INFORMATION

### Tips



#### Warning!

- Follow the safety rules below. Otherwise serious injuries may occur to the occupants or the system may be damaged.
- If the volume is too loud, this can be dangerous. Adjust the volume so that you can still hear background noises (e.g. horns, ambulances, police vehicles, etc).

### Road Safety

Learn how to use the various system functions before setting off.

Read the instructions for the system carefully before setting off.

### Reception Condition

Reception conditions change constantly while driving. Reception may be disrupted by the presence of mountains, buildings or bridges, especially when you are far away from the broadcaster.

**Note:** The volume may be increased when receiving traffic alerts and news.

## Care And Maintenance



#### Caution!

- Only clean the front panel and the display with a soft, clean, dry, anti-static cloth. Cleaning and polishing products may damage the surface. Do not use alcohol or similar products to clean the panel or the display.
- Do not use the display as a base for supports with suction pads or adhesives for external navigators or smartphones or similar devices.
- The display lens should not come into contact with pointed or rigid objects, which could damage its surface. Use a soft, dry anti-static cloth to clean and do not press.
- Never use alcohol, petrols and derivatives to clean the display lens.
- Prevent any liquid from entering the system: this could damage it beyond repair.

### Important Information

In the event of a fault, the system must only be checked and repaired by an authorized dealer.

If the temperature is particularly low, the display may take a while to reach optimum brightness.

## Aerial

### AM/FM Radio Antenna

The AM/FM radio antenna receives both AM and FM signals. To remove the antenna, turn it counterclockwise.

To install the antenna, turn it clockwise. Make sure the antenna is securely installed.



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#### Note:

- To prevent damage to the antenna, remove it before passing beneath a low overhead clearance.

- When leaving your vehicle unattended, we recommend that you remove the antenna and store it inside the vehicle.

### Satellite Radio Antenna – If Equipped

The satellite radio antenna receives SiriusXM signals.



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### Cybersecurity

Your vehicle may be a connected vehicle and may be equipped with both wired and wireless networks. These networks allow your vehicle to send and receive information. This information allows systems and features in your vehicle to function properly.

Your vehicle may be equipped with certain security features to reduce the risk of unauthorized and unlawful access to vehicle systems and wireless communications. Vehicle software technology continues to evolve over time and FCA US LLC, working with its suppliers, evaluates and takes appropriate steps as needed. Similar to a computer or other devices, your vehicle may require software updates to improve the usability and performance of your systems or to reduce the potential risk of unauthorized and unlawful access to your vehicle systems.

The risk of unauthorized and unlawful access to your vehicle systems may still exist, even if the most recent version of vehicle software (such as Connect software) is installed.



#### Warning!

It is not possible to know or to predict all of the possible outcomes if your vehicle's systems are breached. It may be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.

ONLY insert media (e.g., USB or SD card) into your vehicle if it came from a trusted source. Media of unknown origin could possibly contain malicious software, and if installed in your vehicle, it may increase the possibility for vehicle systems to be breached.

As always, if you experience unusual vehicle behavior, take your vehicle to your nearest authorized dealer immediately.

#### Note:

FCA US LLC or your dealer may contact you directly regarding software updates.

To help further improve vehicle security and minimize the potential risk of a security breach, vehicle owners should:

- Routinely check [www.driveuconnect.com/support/software-update.html](http://www.driveuconnect.com/support/software-update.html) (U.S. Residents) or <http://www.driveuconnect.ca> (Canadian Residents) to learn about available Uconnect software updates.
- Only connect and use trusted media devices (e.g. personal mobile phones or USBs).

Privacy of any wireless and wired communications cannot be assured. Third parties may unlawfully intercept information and private communications without your consent.

### General Information

The following regulatory statement applies to all Radio Frequency (RF) devices equipped in this vehicle:

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions

- A This device may not cause harmful interference, and
- B This device must accept any interference received, including interference that may cause undesired operation.

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

To comply with FCC RF exposure compliance requirements, the device must be installed to provide a separation distance of at least 20 cm (200 mm) from all persons.

## OPERATING TIPS FOR THE AUDIO SYSTEM



### Warning!

*ALWAYS drive safely with your hands on the wheel. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use these features and applications when it is safe to do so. Failure to do so may result in an accident involving serious injury or death.*

**Note:** For the purposes of safe driving, adjust the audio volume to a level that allows you to hear sounds outside of the vehicle including car horns and particularly emergency vehicle sirens.

- To prevent the battery from being discharged, do not leave the audio system on for a long period of time when the engine is not running.
- If a cellular phone or CB radio is used in or near the vehicle, it could cause noise to occur from the audio system, however, this does not indicate that the system has been damaged.

Do not spill any liquid on the audio system.

## **RADIO RECEPTION**

### **AM Characteristics**

AM signals bend around such things as buildings or mountains and bounce off the ionosphere.

Therefore, they can reach longer distances than FM signals.

Because of this, two stations may sometimes be picked up on the same frequency at the same time.

### **FM Characteristics**

An FM broadcast range is usually about 25– 30 mi (40—50 km) from the source. Because of extra coding needed to break the sound into two channels, stereo FM has even less range than monaural (non-stereo) FM.

Signals from an FM transmitter are similar to beams of light because they do not bend around corners, but they do reflect.

Unlike AM signals, FM signals cannot travel beyond the horizon. Therefore, FM stations cannot be received at the great distances possible with AM reception.

Atmospheric conditions can also affect FM reception. High humidity will cause poor reception. However, cloudy days may provide better reception than clear days.

### ***Multipath Noise***

Since FM signals can be reflected by obstructions, it is possible to receive both direct signal and reflected signal at the same time. This causes a slight delay in reception and may be heard as a broken sound or a distortion. This problem may also be encountered when in close proximity to the transmitter.

### ***Flutter/Skip Noise***

Signals from an FM transmitter move in straight lines and become weak in valleys, between tall buildings, mountains, and other obstacles. When a vehicle passes through such an area, the reception conditions may change suddenly, resulting in annoying noise.

### ***Weak Signal Noise***

In suburban areas, broadcast signals become weak because of distance from the transmitter. Reception in such fringe areas is characterized by sound breakup.

### ***Strong Signal Noise***

This occurs very close to a transmitter tower. The broadcast signals are extremely strong, so the result is noise and sound breakup at the radio receiver.

### ***Station Drift Noise***

When a vehicle reaches the area of two strong stations broadcasting at similar frequencies, the original station may be temporarily lost and the second station picked up. At this time, there will be some noise from this disturbance.

## OPERATING TIPS FOR MP3

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MP3 stands for MPEG Audio Layer 3, which is standardized voice compression established by the ISO (\*) working group (MPEG).

Use of MP3 allows for audio data to be compressed to approximately a tenth of the source data size.

This unit plays files with the extension (.mp3) as MP3 files.

(\*) International Organization for Standardization

### Note:

❑ Do not use an audio file extension on files other than audio files. In addition, do not change the audio file extension. Otherwise, the unit will not recognise the file correctly resulting in noise or a malfunction.

❑ Supply of this product only conveys a license for private, non-commercial use and does not convey a license or imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, lead and/or any other media), broadcasting/streaming via the Internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on demand applications. An independent license for such use is required. For details, please visit <http://www.mp3licensing.com>.

❑ When naming an MP3 file, be sure to add an MP3 file extension (.mp3) after the file name.

❑ The number of characters which can be displayed is restricted.

## OPERATING TIPS FOR WMA

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WMA is short for Windows Media Audio and is the audio compression format used by Microsoft.

Audio data can be created and stored at a higher compression ratio than MP3. This unit plays files with the extension (.wma) as WMA files.

\* Microsoft and Windows Media are registered trademarks of Microsoft Corporation U.S. in the United States and other countries.

**Note:** Do not use an audio file extension on files other than audio files. In addition, do not change the audio file extension. Otherwise, the unit will not recognize the file correctly resulting in noise or a malfunction.

❑ WMA files written under specifications other than the indicated specification may not play normally or files or folder names may not display correctly.

❑ The file extension may not be provided depending on the system, version, software, or settings. In this case, add the file extension “.wma” to the end of the file name, and then write it to the disc.

## OPERATING TIPS FOR AAC

AAC stands for Advanced Audio Coding, which is standardized voice compression established by the ISO (\*) working group (MPEG).

Audio data can be created and stored at a higher compression ratio than MP3.

This unit plays files with the extensions .aac/.m4a/.wav (\*\*) as the AAC files.

(\*) International Organization for Standardization

### Note:

- ❑ Do not use an audio file extension on files other than audio files. In addition, do not change the audio file extension. Otherwise, the unit will not recognise the file correctly resulting in noise or a malfunction.
- ❑ AAC files written under specifications other than the indicated specification may not play normally or files or folder names may not display correctly.
- ❑ The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension “.aac”, “.m4a”, or “.wav” to the end of the file name, and then write it to the memory.

## OPERATING TIPS FOR OGG

OGG is the audio compression format for Xiph. Org Foundation.

Audio data can be created and stored at a higher compression ratio than MP3.

This unit plays files with the extension (.ogg) as OGG files.

### Note:

- ❑ Do not use an audio file extension on files other than audio files. In addition, do not change the audio file extension. Otherwise, the unit will not recognise the file correctly resulting in noise or a malfunction.
- ❑ OGG files written under specifications other than the indicated specification may not play normally or files or folder names may not display correctly.
- ❑ The file extension may not be provided depending on the computer operating system, version, software, or settings. In this case, add the file extension “.ogg” to the end of the file name, and then write it to the disc.

## OPERATING TIPS FOR USB DEVICES — IF EQUIPPED

This unit plays audio files as follows:

Extension	Playback With This Unit
.mp3	MP3
.wma	WMA
.aac, .m4a, .wav	AAC
.ogg	OGG

**Note:** Do not use an audio file extension on files other than audio files. In addition, do not change the audio file extension. Otherwise, the unit will not recognize the file correctly resulting in noise or a malfunction.

## OPERATING TIPS FOR IPOD

This unit supports playback of music files recorded to an iPod.

❑ iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

The iPod may not be compatible depending on the model or OS version. In this case, an error message is displayed.

### Note:

❑ Remove the iPod when it is not in use. Because the iPod is not designed to withstand excessive changes in temperature inside the cabin, it could be damaged or the battery may deteriorate due to the excessive temperature or humidity inside the cabin if it is left in the vehicle.

❑ If data in the iPod are lost while it is connected to the unit, FCA cannot guarantee recovery of any lost data.

❑ If the iPod battery is deteriorated, the iPod may not recharge and playback may not be possible when it is connected to the unit.

❑ For details on using the iPod, refer to the iPod instruction manual.

❑ When connecting the iPod to a USB port, all commands are made from the audio unit. iPod control is not possible.

❑ The audio unit cannot display images or videos stored in an iPod.

### Audio System

❑ Six audio speakers.

❑ Available “Bose Premium Audio System” with Nine Bose audio speakers including dual headrest speakers for driver and passenger seats and woofer installed in passenger floor.

### Bose Audio System (Premium Sound System) – If Equipped

In addition to the six speakers used by the standard-equipment system, the “Premium sound system” includes a subwoofer positioned behind the dashboard at the foot of the passenger side and a pair of headrest speakers on both the driver’s and passenger seats.

The nine speakers with differing frequency ranges that comprise this high performance system are paired with a high-efficiency seven-channel hybrid amplifier to deliver clear sound with a wide reproduction range.

### Audio Set

**Note:** The explanation of functions described in this publication may differ from the actual operation, and the shapes of screens, buttons, letters, and characters displayed may also differ from the actual appearance.

Additionally, depending on future software updates, the content may successively change without notice.

Audio set has three interfaces:

❑ Multimedia Control Knob;

❑ Touchscreen;

❑ Voice recognition with steering switch and microphone.

### Multimedia Control Knob Operation

**Note:** For safety reasons, some operations are disabled while the vehicle is being driven.

### Volume Dial Operation

Press the volume dial to switch the audio MUTE on and off.

Turn the volume dial to adjust the volume. The volume increases by turning the dial clockwise, and decreases by turning it counterclockwise.



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## Switches Around Multimedia Control Knob

The following operations can be done by pressing the switches around the multimedia control knob:

 : displays the home screen.

 : displays the Entertainment screen.

**NAV:** displays the Navigation screen (only navigation-equipped vehicles). If the SD card for the navigation system is not inserted, the compass indicating the direction in which the vehicle is moving is displayed.

 : displays the Favorites screen. Long-press to store particular items in Favorites (radio, phonebook and destination of the navigation system can be programmed)

 : returns to previous screen.

## Multimedia Control Knob Operation

### Selection Of Icons On Screen

- Tilt or turn the multimedia control knob and move the cursor to the desired icon.
- Press the multimedia control knob and select the icon.

**Note:** Long-press operation of the multimedia control knob is also possible for some functions.

## Touchscreen Operation

### Note:

- Do not press the screen strongly or press it with a sharp pointed object. Otherwise, the screen could be damaged.
- For safety reasons, touchscreen operation is disabled while the vehicle is moving.

## Basic Operation Method

### Touch & Tap

Proceed as follows:

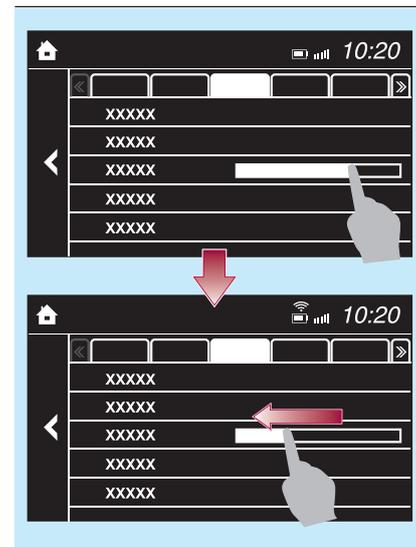
- Touch or tap on the item indicated on the screen.
- The operation is launched and the next item is displayed.



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## Slide

- Touch the setting item displaying a slider bar.
- Touch the slider with your finger and move to the desired level.

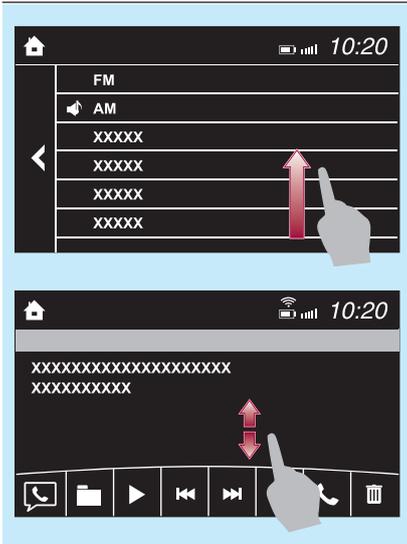


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## Swipe

Proceed as follows:

- Touch the screen with your finger and move up or down.
- Items which were not displayed can be displayed.



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## Return To Previous Screen

- Touch the Back button.

## Displaying The Home Screen

- Touch the Home button.

## Home Screen

Icon	Functions
	<p><b>Applications</b> Information such as average fuel economy, maintenance, and warnings can be verified depending on the grade and specification, the screen display may differ.</p>
	<p><b>Entertainment</b> Operates audio such as the radio and CDs. The audio source most recently used is displayed. An audio source which cannot be used at that time is skipped and the previous audio source is displayed. To change the audio source, select the icon displayed at the bottom of the screen.</p>
	<p><b>Communication</b> Bluetooth related functions are available.</p>
	<p><b>Navigation</b> Navigation screen is displayed (vehicles with navigation system). If the SD card for the navigation system is not inserted, the compass indicating the direction in which the vehicle is moving is displayed. The compass may not indicate the correct bearing when the vehicle is stopped or travelling at a slow speed.</p>
	<p><b>Settings</b> Overall setting menu (such as display, sound, Bluetooth and Language). Depending on the grade and specification, the screen display may differ.</p>

### Volume/Display/Sound Controls

#### Volume Adjustment

Turn the multimedia control knob VOL dial. The volume switch on the steering wheel can also be pressed.

#### Display Settings

Select the  icon on the home screen to display the Settings screen.

Select the Display tab to select the item you would like to change.

#### Display OFF/Clock

The center display can be turned off. Select Turn Display Off to turn the display off.

When Turn Display Off and Show Clock is selected, the center display turns off and the clock is displayed.

The center display can be turned back on as follows:

1. Touch the center display;
2. Operate the multimedia control knob.

## **Daytime/Nighttime (Mode) Screen Setting**

The daytime or nighttime screen can be selected.

Auto: switches screen automatically according to headlight illumination condition (\*)

Day: daytime screen setting

Night: nighttime screen setting

(\*) The display is constantly on daytime screen when the illumination dimmer is canceled.

## **Brightness Adjustment**

Adjust the center display brightness using the slider.

## **Contrast Adjustment**

Adjust the center display contrast using the slider.

## **Display Setting Reset**

All of the screen setting values can be reset to their initial settings.

Proceed as follows:

1. Select Reset.
2. Select Yes.

## **Audio Sound Adjustment**

Select the  icon on the home screen to display the Settings screen.

Select the Sound tab to select the item you would like to change.

<b>Indication</b>	<b>Setting Value</b>
Bass (Low Pitch Sound)	+ Side: Low Pitch Enhancement - Side: Low Pitch Reduction
Treble (Treble Sound)	+ Side: Treble Enhancement - Side: Treble Reduction
Fade (Front/Rear Volume Balance)	Front: Front Speaker Volume Enhancement Rear: Rear Speaker Volume Enhancement
Balance (Left/Right Volume Balance)	Right: Right Speaker Volume Enhancement Left: Left Speaker Volume Enhancement
ALC (*) (Automatic Volume Adjustment)	Off—Adjustment At Seven Levels
Bose AudioPilot (**) (Automatic Volume Adjustment)	On/Off
Beep (Audio Operation Sound)	On/Off

(\*) Standard audio

(\*\*) Bose Sound System

### Automatic Volume Adjustment

The automatic level control (ALC) is a feature that automatically adjusts audio volume and sound quality according to the vehicle speed. The volume increases in accordance with the increase in vehicle speed, and decreases as vehicle speed decreases.

### Bose AudioPilot (Automatic Volume Adjustment)

When driving, background noise can interfere with enjoying music.

AudioPilot (\*) noise compensation technology continuously adjusts the music to compensate for background noise and vehicle speed.

It reacts only to sustained noise sources and not intermittent ones, such as speed bumps.

An enhanced DSP algorithm allows faster and more effective compensation for unusual situations, such as driving on a very rough road or at high speeds.

(\*) AudioPilot is a registered trademark of Bose Corporation.

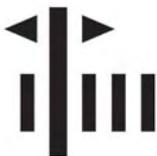
## OPERATING THE RADIO

### Radio On

Select the  icon on the home screen to display the Entertainment screen. When selecting the desired radio, the following icons are indicated in the lower part of the center display.

### AM/FM Radio

Icon	Function
	Displays the Entertainment menu. Use to switch to a different audio source.
	Displays the station list (AM only). Select Update Station List to display the frequencies of up to ten radio stations on the auto memory preset list. Select the desired frequency.
	Displays the Favorites list. Long-press to store radio station currently being aired
	Switches the HD Radio on and off. Displays the multi-cast channel list of the HD Radio
	You can search for receivable radio stations. Scanning stops at each station for about five seconds. Select again to continue receiving the radio station

**Icon****Function**

You can change the radio frequency manually. Rotate the multimedia control knob, slide the screen, or touch the radio frequency. Press left arrow or right arrow buttons to change the radio frequency one step at a time. When left arrow or right arrow buttons is long-pressed, the radio frequency changes continually. It stops when you remove your hand from the icon or the multimedia control knob.



Launches the iTunes Tagging function (for Apple devices with USB use only). Can be used when the HD Radio is on.



Automatic radio station selection. When long-pressed, the radio frequency changes continually. It stops when you remove your hand from the icon or the multimedia control knob.



Displays the FM settings screen (FM only). On/Off of Alternative frequency and Region lock can be set.



Displays sound settings to adjust audio quality level. Refer to "Volume/Display/Sound controls" paragraph.

**Note:** While in FM Mode, pressing the  /  icon, will select each program.

## Radio Favorites

Selected stations can be registered for convenient operation. Up to 50 stations can be registered. The Favorites list is common to AM, and FM.

### Registering To Favorites

Long-press the ★ icon to register the current radio station.

The registration can also be performed using the following procedure:

1. Select the icon to display the Favorites list.
2. Select Add/Edit Radio Favorites.
3. Select Add <active station>
4. The station is added to the bottom of the Favorites list.

**Note:** If the battery is disconnected, your Favorites list will be not deleted.

### Selecting Radio Station From Favorites

Proceed as follows:

1. Select the ★ icon to display the Favorites list.
2. Select the radio station name or radio frequency to tune in the radio station.

## Deleting From Favorites

Proceed as follows:

1. Select the ★ icon to display the Favorites list.
2. Select Add/Edit Radio Favorites.
3. Select Delete.
4. Select the radio station or radio frequency you want to delete.
5. Select Delete.

### Changing Favorites List Order

Proceed as follows:

1. Select the ★ icon to display the Favorites list.
2. Select Add/Edit Radio Favorites.
3. Select Move.
4. Select a radio station or radio frequency. The selected radio station can be moved.
5. Slide the radio station or move it using the multimedia control knob, then select OK.

## Radio Broadcast Data System (RBDS) – If Equipped

### Radio Text Information Display

Radio text information sent from a broadcasting station is displayed in the center display.

## Note:

- Radio text information is a function of FM radio. Text information is not displayed in the following:
  - During reception
  - Not an RBDS broadcast
  - RBDS broadcast, but radio text is not transmitted from the radio station

## Genre Seek

Some FM stations transmit Genre codes (Program type like a Rock, News, and so on). This code enables alternative stations transmitting the same Genre code to be found quickly.

### To Scan For Genre Seek

Proceed as follows:

1. Select the  icon while in the FM mode.
2. Select Genre Seek to open the genre list.
3. Select the genre type you want to select.
4. Select the  icon.

**Note:** To change the desired genre, select the icon.

Example: 89.3 is currently being received. With Rock selected as the Genre, the radio stations broadcasting Rock are at the following frequencies. 98.3 (\*), 98.7, 104.3 (\*), 107.1

(\*) Radio stations with good reception

The frequency changes as follows each time Genre Seek is pressed.  
89.3→98.3→104.3→98.3

**Note:**

- ❑ Only one Genre can be selected.
- ❑ It may not be possible to receive any station even if the Genre Seek function is used.
- ❑ If a program in the selected genre is not broadcast to a region, reception is not possible even if the Genre Seek function is used.
- ❑ The Genre Seek function searches for genre code (program type) which FM analog broadcasts transmit. HD Radio specialty programs (HD2-HD8) cannot be searched because they are not FM analog broadcasts.

❑ If radio stations, which are selected by scanning, using the Genre Seek function are HD Radio broadcasting stations, they are changed from analog broadcasts to HD Radio broadcasts after a few seconds if the reception conditions are good. The genre is displayed after the switch, however, the genre for FM analog broadcasts may differ.

## **HD RADIO**

### ***What is HD Radio Technology And How Does It Work?***

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.

For more information, and a guide to available radio stations and programming, please visit [www.hdradio.com](http://www.hdradio.com).

### ***Benefits of HD Radio Technology***

#### ***Information***

The song title, artist name, album name and genre will appear on the screen when available by the radio station.

## Multicast

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

### Listening To HD Radio Technology

If HD Radio icon turns on by selecting a radio station which is an HD Radio broadcasting station, the analog broadcast is switched to an HD Radio broadcast automatically after a few seconds and then received.

If the broadcast is stopped and changed to an analog broadcast, press down the HD Radio icon to turn off the HD Radio.

### Multicast channel selection (FM)

If multi-cast channels are available for an HD Radio broadcast currently being received, the multi-cast channel list is displayed. Select the desired radio station.

#### Note:

- If an analog broadcast is received once and is received while HD1 is selected, the audio unit switches to the station automatically.

□ When the HD Radio icon is illuminated, there could be a noticeable difference in sound quality and volume when a change from digital to analog signals occurs. If the sound quality and volume become noticeably diminished or cut off, select the HD Radio icon to turnoff HD Radio. The Icon will not illuminate.

□ Once an analog broadcast is received when HD1 is selected from the Favorite channels, it is switched to HD Radio automatically. If the radio reception conditions are poor, or HD is off, switching to HD Radio broadcasts is not possible.

□ When an HD specialty channel (HD2 to HD8) is selected from the Favorite channels, “Signal Lost” is displayed and no audio is output until HD Radio is received. If the radio reception conditions are poor, “Signal Lost” continues to be displayed.

□ If the HD Radio icon is not illuminated, information such as song titles of the station are received, however, the audio output is analog.

## iTunes Tagging (For Apple Devices With USB Use Only)

By tagging a song currently being aired, the song can be easily purchased from the iTunes Store. Up to 100 tags can be stored.

Proceed as follows:

1. Select the  icon. The tag is stored in the audio unit.
2. Connect the device via USB. The tag is sent to the connected device automatically.
3. Synchronize the device with iTunes. The tagged song can now be purchased from the iTunes Store.

#### Note:

- Both AM and FM HD Radio can be used.
- Because iTunes Tagging only supports purchasing from the iTunes Store, direct downloading from the equipped vehicle audio is not possible.
- If the available memory for the connected device is insufficient, the tag is not sent.
- If an error occurs while the tag is being sent, reconnect the device.

## **OPERATING THE SATELLITE RADIO — IF EQUIPPED**

### ***What Is Satellite Radio?***

With over 130 channels, Sirius XM Satellite Radio brings you more of what you love. Get channels and channels of commercial-free music, plus sports, news, talk, entertainment and more.

Commercial-free music from nearly every genre — rock to pop, hip-hop to country, jazz, classical and more. Plus live performances and artist-dedicated channels.

Live sports Play-by-Play & Expert Talk — every NFL game, every NASCAR race, 24/7 sports talk, college sports and more.

Exclusive entertainment, comedy and talk — The biggest names, compelling talk, hilarious comedy.

World-class news plus local traffic and weather. Sign up for Sirius XM Satellite Radio today!

### **Note:**

- ❑ To listen to Sirius XM, a prior subscription (fee-based) is required.
- ❑ The channels which you can receive depend on the package you subscribe to.
- ❑ Satellite radio is broadcast as Sirius, XM, and Sirius XM in the U.S.A., and Sirius and XM in Canada. In this owner's manual, only the name Sirius XM is used.
- ❑ For traffic and weather channels, map information is not displayed and only audio broadcasts can be received.
- ❑ Call 888-539-7474 to activate. For more information, visit [www.siriusxm.com](http://www.siriusxm.com) (U.S. Residents) or [www.siriusxm.ca](http://www.siriusxm.ca) (Canadian Residents). Satellite radio is only available in regions providing satellite radio service (some areas of the United States and Canada). Contact a Fiat Dealership.

### ***How To Activate Satellite Radio***

You must call Sirius XM to re-activate your service. Activation is free and takes only a few minutes.

Sirius XM service uses an ID code to identify your radio. This code is needed to activate Sirius XM service, and report any problems.

Please have the following information ready:

- ❑ Radio ID (8-digit electronic serial no - See below for how to find your ESN)
- ❑ Valid credit card information (may not be required at initial sign-up)

Be sure you are parked outside with a clear view of open sky, you will be instructed to turn on your radio. In Sirius XM mode and tuned to channel 184 (Sirius)/1 (XM and Sirius XM). Activation typically takes only 2–5 minutes.

### ***Displaying The Radio ID (ESN)***

When channel 0 is selected, the radio ID is displayed. Use the PREVIOUS or NEXT channel buttons to select channel 0.

## SiriusXM Operation

Select the  icon on the home screen to display the Entertainment screen. When XM is selected, the following icons are indicated in the bottom part of the center display.

Icon	Function
	Displays the Entertainment menu. Use to switch to a different audio source.
	Displays the channel list of the current category.
	Displays the favorites list. Long-press to store the channel currently being aired. Refer to “Operating The Radio” paragraph.
	Indicates that the parental lock function is in use. Switching of Lock/Unlock and PIN code setting changes can be performed.
	Plays each channel in the current channel list for 5 seconds. Select again to continue receiving the channel.
	Plays the previous channel.
	Plays the next channel.
	Displays sound settings to adjust audio quality level. Refer to “Volume/Display/Sound Controls” paragraph.

### **Selection From Channel List**

Receivable channels can be displayed on the channel list screen. You can easily select the channel you want to listen to from the list. Each category can be also displayed.

Proceed as follows:

- Select the  icon to display the channel list.
- Select a desired channel.

### **Select From Category List**

Proceed as follows:

- Select the  icon to display the channel list.
- Select Category: to display the category list.
- Select a desired category.

### **Parental Lock**

If a channel is locked, the channel is muted.

To use the parental lock function, the PIN code must be initialized first.

By using the session lock, the parental lock can be enabled or disabled during the current drive cycle (from when the ignition is switched on to switched off). When the session lock is on, the parental lock is available. When the session lock is off, the parental lock is temporarily cancelled.

When canceling the parental lock or session lock, or when changing the PIN code, PIN code input is required.

### **PIN Code Reset**

If the registered code has been forgotten, reset the code to the default [0000] code.

Proceed as follows:

1. Select the “Lock” icon.
2. If the selected channel is locked, input the PIN code to cancel the parental lock temporarily.
3. Select Reset PIN Code.
4. Input the default code [0000] using the number buttons.
5. Select OK.
6. Input the new PIN code using the number buttons.
7. Select OK.

## HOW TO USE AUXILIARY JACK/USB PORT — IF EQUIPPED

Audio can be heard from the vehicle's speakers by connecting a commercially available portable audio unit to the auxiliary jack.

Use a commercially-available, non impedance (3.5 Ø) stereo mini plug lead.

In addition, audio can be played from the vehicle audio device by connecting a USB device or an iPod to the USB port. Refer to “AUX/USB/iPod Mode”.

### Settings

**Note:** Depending on the grade and specification, the screen display may differ. Select the  icon on the home screen to display the Settings screen.

Switch the tab and select the setting item you want to change.

You can customize settings in the setup display as follows:

Tab	Item	Function
Display	Refer To “Volume/Display/Sound Controls” Paragraph	–
Safety	Blind Spot Monitoring Volume Other	–
Sound	Refer To “Volume/Display/Sound Controls” Paragraph	–
Clock	Adjust Time	Displays The Currently Set Time Is Displayed. Press + To Advance The Hour/Minute, And Select – To Move The Hour/Minute Back. AM/PM Can Only Be Selected With The 12-Hour Clock Display.
	GPS Sync	When On Is Selected, “Adjust Time” Is Disabled.
	Time Format	Changes The Display Between 12 And 24-Hour Clock Time.
	Time Zone Select	Selects The Time Zone.
	Daylight Savings Time	Turns The Daylight Saving Time Setting On/Off. When On, The Time Advances 1 Hour. When Off, It Returns To Normal Time.
Vehicle	Rain Sensing Wiper, Door Lock, Other	–

Tab	Item	Function	
Devices	Bluetooth	Refer To “Bluetooth Hands Free Outline”	
	Network Management	Wi-Fi Is Used To Obtain Navi Poi/Real Time Traffic Function (Such As Fuel Prices, Weather, Nearest Restaurant)	
	Tool Tips	Turns Button Explanations On/Off	
	Language	Changes The Language	
	Temperature	Changes The Setting Between Fahrenheit And Celsius	
System	Distance	Changes The Setting Between Miles And Kilometers	
	Music Database Update	<input type="checkbox"/> Supplementary Music Information (Such As Song Name, Artist Name) <input type="checkbox"/> Voice Recognition Assistance For Play Artist	
	Factory Reset	Memory And Settings Are Initialized To The Factory Settings. The Initialization Launches By Selecting The Yes Button	
	About	Agreements And Disclaimers	Verify The Disclaimer And Agree
		Version Information	Can Verify The Current Audio Unit OS Version

## Applications

**Note:** Depending on the grade and specification, the screen display may differ. Select the applications icon on the home screen to display the Applications screen.

The following information can be verified:

Top System	Item
Fuel, Economy, Monitor, Settings	Fuel, Consumption Control Status, Effectiveness, Display, Settings
Maintenance	Scheduled, Maintenance, Tire Rotation, Oil Change
Warning Guidance	Warnings Currently Active Can Be Verified.

## **AUDIO CONTROL SWITCH OPERATION**

### **Adjust The Volume**

To increase the volume: press up the volume switch (+).

To decrease the volume: press down the volume switch (-).

### **Seek Switch**

#### **AM/FM Radio**

Push the seek switch . The radio switches to the next/previous stored station in the order that it was stored.

Push and hold the seek switch  to seek all usable stations at a higher or lower frequency whether programmed or not.

Radio stations which have been previously stored in the favorite radio can be called up by pushing the seek switch  while any radio station stored in the favorite radio is being received.

Radio stations can be called up in the order they were stored with each press of the switch .

### **USB Audio/Bluetooth/ Audio – If Equipped**

Push the seek switch  to skip forward to the beginning of the next track.

Push the seek switch  within a few seconds after playback begins to track down to the beginning of the previous track.

Push the seek switch  after a few seconds have elapsed to start playback from the beginning of the current track.

Push and hold the seek switch  to continuously switch the tracks up or down.

### **Aha/Stitcher Radio**

Push the seek switch  to skip forward to the beginning of the next track.

Push and hold the seek switch  to evaluate the playback of the current song as “Like”.

Push and hold the seek switch  to evaluate the playback of the current song as “Dislike”.

### **Mute Switch**

Push the mute switch once to mute audio, press it again to resume audio output.

**Note:** If the ignition is switched off with the audio muted, the mute will be cancelled. Therefore, when the engine is restarted, the audio is not muted. To mute the audio again, push the mute switch.

## AUX/USB/IPOD MODE — IF EQUIPPED



### Warning!

*Do not adjust the portable audio unit or a similar product while driving the vehicle. Adjusting the portable audio unit or a similar product while driving the vehicle is dangerous as it could distract your attention from the vehicle operation which could lead to a serious accident. Always adjust the portable audio unit or a similar product while the vehicle is stopped.*

Audio can be heard from the vehicle's speakers by connecting a commercially-available portable audio unit to the auxiliary jack.

A commercially-available, non-impedance (3.5 Ø) stereo mini plug lead is required. Contact a authorized dealer for details.

In addition, audio can be played from the vehicle audio device by connecting a USB device or an iPod to the USB port.

**Note:** The SD card slot is for the navigation system. For vehicles with the navigation system, the SD card (FCA genuine) with stored map data is inserted into the SD card slot and used.



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1 - USB port (vehicle is fitted with 2 USB ports)

2 - Auxiliary Jack

### Note:

❑ Always close the auxiliary jack/USB port lid when it is not in use. If foreign matter or liquid penetrates the auxiliary jack/USB port, it may cause a malfunction.

❑ Depending on the portable audio device, noise may occur when the device is connected to the vehicle accessory socket (if noise occurs, do not use the accessory socket).

❑ This mode may not be usable depending on the portable audio device to be connected.

❑ Before using the auxiliary jack/USB port, refer to the instruction manual for the portable audio device.

❑ Use a commercially-available, non-impedance (3.5 Ø) stereo mini plug for connecting the portable audio unit to the auxiliary jack. Before using the auxiliary jack, read the manufacturer's instructions for connecting a portable audio unit to the auxiliary jack.

❑ To prevent battery discharge, do not use the auxiliary input for long periods with the engine off or idling.

❑ When connecting a device to the auxiliary jack or USB port, noise may occur depending on the connected device. If the device is connected to the vehicle's accessory socket, the noise can be reduced by unplugging it from the accessory socket.

## How To Connect The USB Port/Auxiliary Jack



### Warning!

*Do not allow the connection plug cord to get tangled with the parking brake or the shift lever (manual transmission/gear selector (automatic transmission)). Allowing the plug cord to become tangled with the parking brake or the gear selector manual transmission/gear selector (automatic transmission) is dangerous as it could interfere with driving, resulting in an accident.*

### Connecting A Device

Proceed as follows:

1. If there is a cover on the AUX jack or USB port, remove the cover.
2. Connect the connector on the device to the USB port.

### Connecting With A Connector Lead

Proceed as follows:

1. If there is a cover on the AUX jack or USB port, remove the cover.
2. Connect the device plug/connector lead to the auxiliary jack/USB port.

#### Note:

- Do not place objects or apply force to the auxiliary jack/USB port with the plug connected.

- Insert the plug into the auxiliary jack/USB port securely.

- Insert or pull out the plug with the plug perpendicular to the auxiliary jack/USB port hole.

- Insert or remove the plug by holding its base.

### How To Use AUX Mode

Select the  icon on the home screen to display the Entertainment screen and then select "Audio Source".

Select AUX to switch to the AUX mode. The following icons are displayed in the lower part of the center display.

Icon	Function
	Displays the Entertainment menu. Use to switch to a different audio source.
	Displays sound settings to adjust audio quality level. Refer to "Volume/Display/Sound controls" paragraph.

#### Note:

- If a device is not connected to the auxiliary jack, the mode will not switch to the AUX mode.
- Adjust the audio volume using the portable audio device, commander switch, or audio control switch.
- Audio adjustments can also be made using the portable audio device's volume setting.
- If the connection plug is pulled out from the auxiliary jack while in AUX mode, noise may occur.

## How To Use USB Mode – If Equipped

Type	Playable Data
USB mode	MP3/WMA/AAC/OGG file

**Note:** This unit does not support a USB 3.0 device. In addition, other devices may not be supported depending on the model or OS version. USB devices formatted to FAT32 are supported (USB devices formatted to other formats such as NTFS are not supported).

### Playback

Select the  icon on the home screen to display the Entertainment screen and the select “Audio Source”.

Select USB 1 or USB 2 to switch the USB mode. The following icons are displayed in the lower part of the center display.

Icon	Function
	Displays the entertainment menu. Use to switch to a different audio source.
	Category list is displayed.
	Current track list is displayed. Select a desired track to play it.
	Plays the current track repeatedly. Select it again to play the tracks in the current track list repeatedly. When selected again, the function is cancelled.
	Tracks in the current track list are played randomly. Select it again to cancel.
	Select the desired song from the category list to cancel more like this.

Icon	Function
	If selected within a few seconds from the beginning of a song which has started to play, the previous song is selected. If more than a few seconds have elapsed, the song currently being played is replayed from the beginning. Long-press to fast reverse. It stops when you remove your hand from the icon or the multimedia control knob.
	Track is played. When selected again, playback is temporarily stopped.
	Advances to the beginning of the next song. Long-press to fast forward.
	Displays sound settings to adjust audio quality level. Refer to “Volume/Display/Sound Controls” paragraph.

- To move to the desired location on the track, move the slider indicating the playback time.
- The appearance of the repeat and shuffle icons changes depending on the type of operation in which the function is used.

**Category List**

Select the  icon to display the following category list.

Select a desired category and item.

Category	Function
Playlist	Displays Playlists on the device.
Artist	Displays the artist name list. All the tracks or tracks for each album of the selected artist can be played.
Album	Displays the album name list.
Song	All the tracks in the device are displayed.
Genre	Displays the genre list. All the tracks or tracks per album or artist in the selected genre can be played.
Audiobook	Displays the Audiobook list. Chapters can be selected and played.
Podcast	Displays the Podcast list. Episode can be selected and played (special service for some apple devices).
Folder	Displays the folder/file list.

## Example Of Use (To Play All Tracks In USB Device)

### Method 1

Proceed as follows:

1. Select  to display the category list.
2. Select Song. All the tracks in the USB device are displayed.
3. Select a desired track. The selected track is played. All the tracks in the USB device can be played by continuing playback.

**Note:** Only the tracks in the desired category selected in Step Two are played.

### Method 2 (\*)

Proceed as follows:

1. Select  to display the category list.
2. Select Folder. All the folders in the USB device are displayed.
3. Select All Songs. All the tracks in the USB device are displayed.
4. Select a desired track. The selected track is played. All the tracks in the USB device can be played by continuing playback.

(\*) Can be operated using an Android device or USB flash memory.

**Note:** Only the tracks in the desired folder selected in Step Three are played.

## BLUETOOTH

### Bluetooth Hands Free Outline

When a Bluetooth device (mobile phone) is connected to the vehicle's Bluetooth unit via radio wave transmission, a call can be made or received by pressing the talk button, pickup button, or hang-up button on the multimedia control knob, or by operating the center display.

For example, even if a device (mobile phone) is in your coat pocket, a call can be made without taking the device (mobile phone) out and operating it directly.



#### Warning!

*ALWAYS drive safely with your hands on the wheel. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use these features and applications when it is safe to do so. Failure to do so may result in an accident involving serious injury or death.*

## Bluetooth Audio Outline

When a portable audio unit equipped with the Bluetooth communication function is paired to the vehicle, you can listen to music stored on the paired portable audio device from the vehicle's speakers.

It is not necessary to connect the portable audio device to the vehicle's external input terminal.

After programming, operate the vehicle audio control panel to play/stop the audio.

### Note:

- For your safety, a device can be paired only when the vehicle is parked. If the vehicle starts to move, the pairing procedure will end. Park the vehicle in a safe place before pairing.
- The communication range of a Bluetooth equipped device is about 10 meters or less.
- Basic audio operation is available using voice commands even if Bluetooth is not connected.
- Some Bluetooth mobile devices are not compatible with the vehicle. Contact an authorized dealer for information regarding Bluetooth mobile device compatibility.

## Component Parts

### Microphone (Hands-Free)

The microphone is used for speaking voice commands or when making a Hands-free call.



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### Talk button / Pick-Up Button And Hang-Up Button (Hands-free)

The basic functions of Bluetooth Hands-Free can be used for such things as making calls or hanging up using the talk pick-up  and hang-up  buttons on the steering wheel.

### Volume Control Knob – If Equipped

The Volume Control Knob, near the Multimedia Control Knob, is used for volume adjustment and display

operation. Tilt or turn the Multimedia Control Knob to move the cursor. Press the Multimedia Control Knob to select the icon.

### Volume Adjustment

The volume dial of the multimedia control knob is used to adjust the volume. Turn the dial to the right to increase volume, to the left to decrease it. The volume can also be adjusted using the volume button on the steering wheel.

**Note:** If the volume is lower compared to other audio modes, increase the volume from the device side.

Conversation volume and the volume of the voice guidance and ringtone can each be set in advance.

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Setting.
3. Adjust the Phone Volume and the VR and Ringtone using the slider.

## Bluetooth Preparations

### Device Pairing

To use Bluetooth audio and Hands-Free, the device equipped with Bluetooth has to be paired to the unit using the following procedure.

A maximum of seven devices including Bluetooth audio devices and hands-free mobile phones can be paired.

**Note:** The Bluetooth system may not operate for 1 or 2 minutes after the ignition is switched to ACC or ON. However, this does not indicate a problem. If the Bluetooth system does not connect automatically after 1 or 2 minutes have elapsed, make sure that the Bluetooth setting on the device is normal and attempt to reconnect the Bluetooth device from the vehicle side.

### Pairing Procedure

Proceed as follows:

1. Select the  icon on the home screen to display the Settings screen.
2. Select the Devices tab.
3. Select Bluetooth.
4. Turn the Bluetooth setting on.
5. Select “Add New Device” to display the message and switch to the device operation.

6. Using your device, perform a search for the Bluetooth device (Peripheral device).

7. Select "124 Spider" from the device list searched by the device.

8. Device with Bluetooth version 2.0

Input the displayed 4-digit pairing code into the device. Device with Bluetooth version 2.1 or higher: Make sure the displayed 6-digit code on the audio is also displayed on the device, and touch the Yes. Connection permission and phonebook access permission for your mobile device may be required depending on the mobile device.

9. If pairing is successful, the functions of the device connected to Bluetooth are displayed.

**Note:** When Call history and messages are downloaded automatically, each automatic download setting must be on. Refer to "Communication Settings" paragraph.

After a device is registered, the system automatically identifies the device.

By activating Bluetooth Hands-Free again, or by activating Bluetooth Hands-Free first after switching the ignition from OFF to ACC, the device connection condition is indicated in the center display.

**Note:** About pairing and automatic reconnecting:

If pairing is redone on the same mobile phone device, first clear "124 Spider" displayed on the Bluetooth setting screen of the mobile device.

When the OS of the device is updated, the pairing information may be deleted. If this happens, reprogram the pairing information to the Bluetooth unit.

Before you pair your device, make sure that Bluetooth is "ON", both on your phone and on the vehicle.

### ***Device Selection***

If several devices have been paired, the Bluetooth unit links the device last paired.

If you would like to link a different paired device, it is necessary to change the link.

The order of device priority after the link has been changed is maintained even when the ignition is switched off.

### ***Connecting Other Devices***

Proceed as follows:

1. Select the  icon on the home screen to display the Settings screen.

2. Select the Devices tab.

3. Select Bluetooth.

4. Turn the Bluetooth setting on.

5. Select the name of the device you would like to connect.

6. Phone And Audio selection Connects both devices as hands-free and Bluetooth audio. Phone Only selection Connects as a hands-free device. Audio Only selection Connects as Bluetooth audio.

**Note:** The following functions can be used for the Hands-free or audio.

Hands-free: phone calls and E-mail/SMS

Audio: Bluetooth audio, Pandora, Aha, Stitcher radio

### ***Disconnecting A Device***

Proceed as follows:

1. Select the  icon on the home screen to display the Settings screen.

2. Select the Devices tab.

3. Select Bluetooth.

4. Turn the Bluetooth setting on.

5. Select the device name which is currently connected.

6. Select Disconnect.

### Deleting A Device

Proceed as follows:

1. Select the  icon on the home screen to display the Settings screen.
2. Select the Devices tab.
3. Select Bluetooth.
4. Turn the Bluetooth setting on.
5. Select the device name which you would like to delete.
6. Select Unpair This Device.
7. Select Yes.

### Deleting All Devices

Proceed as follows:

1. Select the  icon on the home screen to display the Settings screen.
2. Select the Devices tab.
3. Select Bluetooth.
4. Select Custom Settings.
5. Select Unpair All/ Paired Devices.
6. Select Yes.

### Changing PIN Code

PIN code (4 digits) can be changed.

Proceed as follows:

1. Select the  icon on the home screen to display the Settings screen.
2. Select the Devices tab.
3. Select Bluetooth.
4. Select Custom Settings.

5. Select Change Pairing Code.
6. Input the new PIN code to be set.

### Available Language

The Bluetooth Hands-Free System applies to the following languages:

- English
- Spanish
- French

Refer to “Settings” paragraph.

### Voice Recognition



#### Warning!

*ALWAYS drive safely with your hands on the wheel. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use these features and applications when it is safe to do so. Failure to do so may result in an accident involving serious injury or death.*

In this section, the basic operation of the voice recognition is explained.

### Activating Voice Recognition

Push the talk button.

### Ending Voice Recognition

Use one of the following methods:

- Push the hang-up button.
- Say, “Cancel”.
- Operate the commander switch or the center display (only when vehicle is stopped).

### Skipping Voice Guidance (For Faster Operation)

Push and release the talk button.

### Troubleshooting For Voice Recognition

If you do not understand an operation method while in the voice recognition mode, say “Tutorial” or “Help”.

### Commands Usable Anytime During Voice Recognition

“Go Back” and “Cancel” are commands which can be used at anytime during voice recognition.

### Returning to previous operation

To return to the previous operation, say, “Go Back” while in voice recognition mode.

## **Cancel**

To put the Bluetooth Hands-Free system in standby mode, say, “Cancel” while in voice recognition mode.

## **Deterioration In Rate And Quality of Voice Recognition**

To Prevent A Deterioration In The Voice Recognition Rate And Voice Quality, The Following Points Should Be Observed:

- ❑ The voice recognition cannot be performed while voice guidance or the beep sound is operating. Wait until the voice guidance or the beep sound is finished before saying your commands.
- ❑ Phone related commands are available only when your phone is connected via Bluetooth. Make sure your phone is connected via Bluetooth before you operate phone related voice commands.

- ❑ Music play commands, such as Play Artist and Play Album can be used only in USB audio mode.

- ❑ Do not speak too slowly or loudly (do not yell).

- ❑ Speak clearly, without pausing between words or numbers.

- ❑ Dialects or different wording other than hands-free prompts cannot be recognized by voice recognition. Speak in the wording specified by the voice commands.

- ❑ It is not necessary to face the microphone or approach it. Speak the voice commands while maintaining a safe driving position.

- ❑ Close the windows and/or the convertible top to reduce loud noises from outside the vehicle, or turn down the airflow of the air-conditioning system while Bluetooth Hands-Free is being used.

- ❑ Make sure the vents are not directing air up towards the microphone.

**Note:** If the voice recognition performance is not satisfactory. Refer to “Voice Recognition Related Problems” paragraph.

## **Audio Operation Using Voice Recognition**

### **Main Audio Operation**

The below commands are examples of the available commands.

When the talk button is pressed and the following command is spoken aloud, the audio can be operated.

The commands in the ( ) can be omitted. The specified name and number are put into the { }.

Voice Command	Function	Corresponding Audio Source
(Go To/Play) AM (Radio)	Switches the audio source to AM radio	All
(Go To/Play) FM (Radio)	Switches the audio source to FM radio	All
(Go To/Play) Satellite (Radio)	Switches the audio source to satellite radio	All
(Go To/Play) Bluetooth (Audio)	Switches the audio source to BT audio	All
(Go To/Play) Aha (Radio)	Switches the audio source to Aha radio	All
(Go To/Play) Stitcher	Switches the audio source to Stitcher radio	All
(Go To/Play) USB 1	Switches the audio source to USB 1	All
(Go To/Play) USB 2	Switches the audio source to USB 2	All
Play Playlist {Playlist name}	Plays the selected Playlist	USB
Play Artist {Artist name}	Plays the selected artist	USB
Play Album {Album name}	Plays the selected album	USB
Play Genre {Genre name}	Plays the selected genre	USB
Play Folder {Folder name}	Plays the selected folder	USB

**Note:**

- Some commands cannot be used depending on devices and use conditions.
- If the Bluetooth device, USB, or AUX is not connected, the related commands cannot be used.

## **Making A Call**

### **Phonebook Usage**

Telephone calls can be made by saying the contact name in the downloaded phonebook or the name of a person whose phone number has been registered in the Bluetooth Hands-Free. Refer to Import Contact (download Phonebook).

Proceed as follows:

1. Press the talk button.
2. Wait for the beep sound.
3. Say: "Call XXXXX... (Ex. "John") Mobile".
4. Follow the voice guidance to place the call.

### **Screen Operation**

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Contacts to display the contact list.
3. Select the contact you would like to call to display the details for the contact.
4. Select the desired phone number to make the call.

### **Import Contact (Download Phonebook)**

Phonebook data from your device (Mobile phone) can be sent and registered to your Bluetooth Hands-Free phonebook using Bluetooth.

### **Automatic Downloading**

The "Auto Download Contacts" setting must be on. When hands-free is connected to the device, the phonebook is downloaded automatically.

### **Manually Downloading**

If the "Auto Download Contacts" setting is off, download the phonebook using the following procedure.

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Contacts to display the contact list.
3. Select Edit Contacts.
4. Select Import All Contacts or Import Selected Contact to switch to the device operation.
5. If Import All Contacts is selected, select Download.

6. Download will be started from the mobile phone.

### **Note:**

- ❑ If "Import All Contacts" is performed after saving the phonebook to the Bluetooth unit, the phonebook will be overwritten.
- ❑ A maximum of 1000 contacts can be registered to the phonebook.
- ❑ Phonebook, incoming/outgoing call record, and favorite memories are exclusive to each mobile phone to protect privacy.

### **Favorites Contacts**

A maximum of 50 contacts can be registered. It will take less time to make a call after registering the telephone number.

In addition, you do not have to look for the person you want to call in the phonebook.

### **Registering to your favorites**

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Favorites to display the favorites list.

3. Select Add/Edit Communication Favorites.
4. Select Add New Contact or Add New Contact Details.
5. Select from the displayed list.

**Note:** When “Add New Contact” is selected, information such as the selected person’s name is also registered. In addition, when “Add New Contact Details” is selected, only the telephone number of the selected person is registered.

### ***Making a call from your favorites***

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Favorites to display the favorites list.
3. Only one phone number is registered to contact. Select the contact information you would like to call. Select Yes. Multiple phone numbers are registered to contact Select the contact you would like to call to display the screen indicating the details for the contact. Go to next step.
4. Select the phone number you would like to call.
5. Select Yes.

### ***Deleting from your favorites***

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Favorites to display the favorites list.
3. Select Add/Edit Communication Favorites.
4. Select Delete.
5. Select the contact information which you would like to delete.
6. Select Delete.

### ***Changing the display order of your favorites list***

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Favorites to display the favorites list.
3. Select Add/Edit Communication Favorites.
4. Select Move.
5. The contact can be moved after it is selected.
6. Slide the contact or move it using the multimedia control knob, then select OK.

### ***Changing contact name of your favorites***

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Favorites to display the favorites list.
3. Select Add/Edit Communication Favorites.
4. Select Rename.
5. Select the contact to display the keyboard screen.
6. If a new name is input and OK is selected, the contact name is stored.

**Note:** If the contact is long-pressed when the favorites list is displayed, the contact information can be edited (deleted, moved).

### ***Telephone Number Input***

**Note:** Practice this while parked until you are confident you can do it while driving in a non-taxing road situation. If you are not completely comfortable, make all calls from a safe parking position, and only start driving when you can devote your full attention to driving.

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. When Dial Phone is pressed, the dial pad is displayed.
3. Input the telephone number using the dial pad.
4. Select to make the call.

### ***Numeral or symbol entry***

Use the dial pad.

Long-press to input +.

Select the back button to delete the currently input value. Long-press to delete all input values.

### ***Radial Function***

Makes a call to the last person called (latest person on outgoing call record) from the mobile phone/vehicle.

Proceed as follows:

1. Press the talk button.
2. Wait for the beep sound.
3. Say: "Redial".

### ***Call Back Function***

Makes a call to the last person who called your mobile phone/vehicle (latest person on incoming call record).

Proceed as follows:

1. Press the talk button.
2. Wait for the beep sound.
3. Say: "Call back".

### ***Receiving An Incoming Call***

When an incoming call is received, the incoming call notification screen is displayed. The "Incoming Call Notifications" setting must be on. Refer to "Communication Settings" paragraph.

To accept the call, press the pick-up button on the audio control switch or select Answer on the screen.

To reject the call, press the hang-up button on the audio control switch or select Ignore on the screen.

The following icons are displayed on the screen during a call. Icons which can be used differ depending on use condition.

Icon	Function
	Displays the Communication menu.
	Ends the call.
	<p><b>Transferring A Call From Hands-Free To A Mobile Phone</b>            Communication between the Bluetooth unit and a device (mobile phone) is cancelled, and an incoming call will be received by the device (mobile phone) like a standard call</p>
	<p><b>Transferring A Call From A Device (Mobile Phone) To Hands-Free</b>            Communication between devices (mobile phone) can be switched to Bluetooth Hands-Free</p>
	<p><b>Mute</b>            The microphone can be muted during a call. When selected again, the mute is cancelled.</p>
	<p>A call is made to other person during a call and a 3-way call can be made. Select the contact from the following to make a call:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Call History: Call History is displayed.</li> <li><input type="checkbox"/> Contacts: the phonebook is displayed.</li> <li><input type="checkbox"/> Dial: the dial pad is displayed. Input the phone number</li> </ul> <p>The device may be unusable depending on the contractual content.</p>
	<p>The call on hold is made to make a 3-way call. The device may be unusable depending on the contractual content.</p>
	Switches the call on hold.
	<p><b>DTMF (Dual Tone Multi-Frequency Signal) Transmission</b>            This function is used when transmitting DTMF via the dial pad. The receiver of a DTMF transmission is generally a home telephone answering machine or a company's automated guidance call centre. Input the number using a dial pad.</p>

**Note:**

If the ignition is switched off during a hands-free call, the line is transferred to the device (Mobile phone) automatically.

If the DTMF code has two or more digits or symbols, each one must be transmitted individually.

**Call Interrupt**

A call can be interrupted to receive an incoming call from a third party.

When “Hold + Answer” is selected or the pickup button on the steering wheel is pressed, the current call is held and the system switches to the new incoming call.

When “End + Answer” is selected, the current call is ended and the system switches to the new incoming call (GSM network only).

When Ignore is selected or the hang-up button on the steering wheel is pressed, an incoming call is refused.

**Note:**

The function may not be available depending on the contractual content of the mobile device.

The function may not be operable depending on the type of the telephone network and the mobile device.

**Receiving And Replying To Messages (Available Only With SMS Compatible Phones)**

SMS (Short Message Service) messages received by connected devices can be downloaded, displayed, and played (read by the system).

Additionally, replies can also be made to calls and messages in the received messages.

**Downloading Messages**

Up to 20 new messages can be downloaded and displayed from a connected device.

**Automatic Downloading**

The “Auto Download SMS” (SMS) setting must be on.

A message is downloaded automatically when the Bluetooth unit is connected to the device. Refer to “Communication settings” Paragraph.

**Manually Downloading**

When the “Auto Download SMS” (SMS) setting is off, the message is downloaded using the following procedure.

1. Select the icon on the home screen to display the Communication screen.
2. Select SMS to display the Inbox.
3. Select Update Inbox.
4. Download will be started from the mobile phone.

**Note:**

Attached data are not downloaded.

Messages up to 1 kilobyte (e-mail)/140-bytes (SMS) can be downloaded.

A message list is created for each device.

If the connected device does not correspond to MAP 1.0, the AT command is used to download. The downloaded message indicates that it is already read.

Downloading using the AT command may not function depending on the connected device.

## Receiving Messages

### Method 1

When a device receives a message, a message received notification is displayed.

The "SMS Notifications" (SMS) setting must be on.

Refer to "Communication settings" paragraph.

Select Read and display the message.

### Method 2

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.

2. Select Notifications and display the new message list for e-mail and SMS.

3. Select the message you would like to display.

The following icons are displayed in the lower part of the details on the message. Icons which can be used differ depending on use conditions.

Icon	Function
	Displays the Communication menu.
	Displays the inbox.
	Plays back a message. When selected again, playback is temporarily stopped.
	Displays the previous message.
	Displays the next message.
	Only replies to the sender of the currently displayed message. Select the sentence on the displayed reply screen and select the sentence for sending from the preset message. Select Send.
	Makes a call to a person who sent a message. For E-mail, this function may not work depending on the device.
	Deletes a message. The messages stored in a device is also deleted.

**Note:** Up to three preset messages can be selected.

### Example of use (verify unread E-mail)

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Email to display the inbox.
3. Select the unread message displayed in bold.
4. The details of the message are displayed and replying to the message, making a call, or playback can be performed.

### Editing preset messages

Proceed as follows:

1. Select the phone icon on the home screen to display the Communication screen.
2. Select Settings.
3. Select Preset Messages.
4. Select the preset message which you would like to edit. The keyboard screen is displayed.
5. When the message is input and the check mark is selected, the message is stored as a preset message.

**Note:**

- Select the  icon to change the language.
- Select the  icon to switch between capitalized and lowercase characters.
- Select the  icon to return to the previous screen without storing the edit.

### Communication Settings

Select the phone icon on the home screen to display the Communication screen. Select Settings to change the setting.

Item	Setting	Function
Bluetooth	—	Go to Bluetooth setting menu. Refer to “Bluetooth Preparation” paragraph.
Incoming Call Notifications	On/Off	Notifies when an incoming call is received.
Auto Download SMS	On/Off	Downloads SMS automatically when the Bluetooth unit is connected to the device.
SMS Notifications	On/Off	Notifies when a new SMS is received.
Auto Download Call History	On/Off	Downloads call history automatically when the Bluetooth unit is connected to the device.
Auto Download Contacts (*)	On/Off	Downloads the Phonebook automatically when the Bluetooth unit is connected to the device.
Ringtone	Fixed/In-Band/Off	Changes the ringtone setting.

Item	Setting	Function
Phone Volume	Adjusts Using The Slider	Adjusts the conversation volume
VR And Ringtone	Adjusts Using The Slider	Adjusts the voice guidance and ringtone volume
Contacts Sort Order	First Name / Last Name	Displays the contact information in alphabetical order of the first name
	Last Name / First Name	Displays the contact information in alphabetical order of the last name
Preset Messages	—	Edits the preset message refer to “receiving and replying to messages (available only with SMS compatible phones)” paragraph
Reset	—	Initializes all communication settings

(\*) Depending on the device, it may be necessary to acquire download permission on the device side.

## Bluetooth Audio

### Response Profile

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0/1.2
- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0/1.3/1.4

A2DP is a profile which transmits only audio to the Bluetooth unit. If your Bluetooth audio device corresponds only to A2DP, but not AVRCP, you cannot operate it using the control panel of the vehicle's audio system.

In this case, only the operations on the mobile device are available the same as when a portable audio device for a non-compliant Bluetooth device is connected to the AUX terminal.

Function	A2DP	AVRCP		
		Ver. 1.0	Ver. 1.3	Ver. 1.4
Playback	X	X	X	X
Pause	X	X	X	X
File (Track) up/down	—	X	X	X
Reverse	—	—	X	X
Fast-Forward	—	—	X	X
Text Display	—	—	X	X
Repeat	—	—	Depends On Device	Depends On Device
Shuffle	—	—	Depends On Device	Depends On Device
Scan	—	—	Depends On Device	Depends On Device
Folder up/down	—	—	—	Depends On Device

X Available

— Not available

**Note:**

- ❑ The battery consumption of Bluetooth audio devices increases while Bluetooth is connected.
- ❑ If a general mobile phone device is USB connected during music playback over the Bluetooth connection, the Bluetooth connection is disconnected. For this reason, you cannot have music playback over a Bluetooth connection and music playback using a USB connection at the same time.
- ❑ The system may not operate normally depending on the Bluetooth audio device.

**How To Use The Bluetooth Audio System**

**Switching To Bluetooth Audio Mode**

To listen to music or voice audio recorded to a Bluetooth audio device, switch to the Bluetooth audio mode to operate the audio device using the audio system control panel.

Any Bluetooth audio device must be paired to the vehicle's Bluetooth unit before it can be used.

Refer to “Bluetooth Preparation” paragraph.

Proceed as follows:

1. Turn on the Bluetooth audio device's power.
2. Switch the ignition to ACC or ON.
3. Select the  icon on the home screen to display the Entertainment screen.
4. When Bluetooth is selected, switches to the Bluetooth audio mode to begin playback.

**Note:**

- ❑ If Bluetooth audio is used after using Pandora, Aha or Stitcher radio, the application on the mobile device has to be closed first.
- ❑ If the Bluetooth audio device does not begin playback, select the  icon.

- ❑ If the mode is switched from Bluetooth audio mode to another mode (radio mode), audio playback from the Bluetooth audio device stops.

**Playback**

To listen to a Bluetooth audio device over the vehicle's speaker system, switch the mode to Bluetooth audio mode (refer to “Switching to Bluetooth Audio Mode” paragraph). After switching to the Bluetooth audio mode, the following icons are displayed in the lower part of the display.

Icons which can be used differ depending on the version of the Bluetooth audio device which you are currently using.

Icon	Function
	Displays the Entertainment menu. Use to switch to a different audio source.
	<b>AVRCP Ver. 1.4 only</b> Displays the top level folder/file list. Select the folder which you want to select. The files in the selected folder are displayed. Select the file you want to play.
	<b>AVRCP Ver. 1.3 or higher</b> Replays the song currently being played repeatedly. When selected again, the songs in the folder are played repeatedly. Select it again to cancel. Icons change when the song is repeated or the folder is repeated.
	<b>AVRCP Ver. 1.3 or higher</b> Plays songs in the folder in random order. When selected again, the songs on the device are played in random order. Select it again to cancel. Icons change during folder shuffle or device shuffle.
	Scans the titles in a folder and plays the beginning of each song to aid in finding a desired song. When selected again, the beginning of each song on the device is played. When selected again, the operation is cancelled and the song currently being played continues.
	Returns to the beginning of the previous song. Long-press to fast reverse. It stops when you remove your hand from the icon or the multimedia control knob.
	Plays the Bluetooth audio. When selected again, playback is temporarily stopped.
	Advances to the beginning of the next song. Long-press to fast forward. It stops when you remove your hand from the icon or the multimedia control knob.
	Displays sound settings to adjust audio quality level (refer to "Volume/Display/Sound Controls" paragraph).

**Example of use (when searching for a song from the top level of a device)**

Proceed as follows:

1. Select the  icon to display the folder/file list at the top level.

2. When the folder is selected, folders/file lists in the folder are displayed. When the playlist is selected, the file list is displayed.

3. Select the desired song.

4. Select  to move to a folder one level higher.

## Bluetooth Audio Device Information Display

If a Bluetooth audio device is connected, the following information is displayed in the center display.

	AVRCP Ver. Lower Than 1.3	AVRCP Ver. 1.3	AVRCP Ver. 1.3 Or Higher
Device name	X	X	X
Remaining Battery Charge Of Device	X	X	X
Song Name	—	X	X
Artist Name	—	X	X
Album Name	—	X	X
Playback Time	—	X	X
Genre Name	—	X	X
Album Art Image	—	—	—

X Available

— Not available

**Note:** Some information may not display depending on the device, and if the information cannot be displayed, “Unknown - - -” is indicated.

## How To Use Pandora

### What is Pandora

Pandora is free personalized Internet radio. Simply enter a favorite artist, track, genre, and Pandora will create a personalized station that plays their music and more like it.

Rate songs by giving thumbs-up and thumbs-down feedback to further refine your station, discover new music and help Pandora play only music you like.

**Note:** Pandora, the Pandora logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc., used with permission.

To operate Pandora from your Bluetooth device, perform the following in advance:

- Create Pandora account on the Web.
- Create Pandora station using Pandora application.

Install Pandora application on your device.

### Playback

Launch the Pandora app on the device and select the  icon on the home screen to display the Entertainment screen. When is Pandora selected, the following icons are indicated in the bottom part of the center display.

Icon	Function
	Displays the entertainment menu. Use to switch to a different audio source.
	Displays the station list. Use to switch to other stations.
	<b>Thumbs-up</b> Press the icon to tell Pandora “you like this track” and it helps to bring in more tracks like it to your station.
	<b>Thumbs-down</b> Press the icon to tell Pandora not to play this track.
	<b>Bookmarking</b> Bookmarks the song or artist currently being played.
	Pauses playback of the content. When selected again, playback resumes.
	Goes to the next song.
	Displays sound settings to adjust audio quality level. Refer to “Volume/Display/Sound Controls” paragraph.

**Note:**

- ❑ The skip function may not be available depending on the device.
- ❑ The number of skips is limited by Pandora.
- ❑ If the  icon is selected when the skip song function is running, the next song is skipped.

**Selection From Station List**

Selection can be made from a programmed radio station list.

1. Select the  icon.
2. Select the desired radio station.

**Note:** When Shuffle is selected, songs randomly selected from the radio station list are played.

**Selecting the sort method**

The displayed order of the station list can be changed.

1. Select the  icon.
2. Select Sort By.
3. Select Date to display in the order starting from the newly created station.
4. Select A-Z to display in alphabetical order.

**Note:** The displayed order of Shuffle cannot be changed.

**Bookmarking**

You can bookmark song or artist to check out later on the Web.

1. Select the flag icon.
2. Select Bookmark Song to bookmark the song.
3. Select Bookmark Artist to bookmark the artist.

**How To Use Aha**

Aha is an application which can be used to enjoy various Internet content such as Internet radio and podcasts.

Stay connected to your friends activities by getting updates from Facebook and Twitter.

Using the location-based service, nearby services and destinations can be searched or real time local information can be obtained.

For details on Aha, refer to “<http://www.aharadio.com/>”.

**Note:** Aha, the Aha logo, and the Aha trade dress are trademarks or

registered trademarks of Harman International Industries, Inc., used with permission.

❑ The service content provided by Aha varies depending on the country in which the user resides. In addition, the service is not available in some countries.

❑ To operate Aha from your Bluetooth device, perform the following in advance:

- Install the Aha application to your device.
- Create an Aha account for your device.
- Log onto Aha using your device.
- Select the preset station on your device.

**Playback**

Select the  icon on the home screen to display the Entertainment screen. When Aha is selected, the following icons are displayed at the bottom of the center display. The displayed icon differs depending on the selected station. In addition, icons other than the following icons may be displayed.

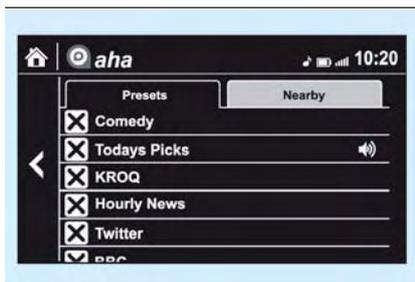
Icon	Function
	Displays the Entertainment menu. Use to switch to a different audio source.
	Displays the main menu. Use to switch to other stations.
	Displays the content list. Use to switch to other desired content on the station.
	<b>Shout</b> Records voice. Records voice and posts it as playable audio to Facebook and other social stations.
	<b>Like (*)</b> Evaluates the current content as “Like”.
	<b>Dislike (*)</b> Evaluates the current content as “Dislike”.
	Reverses for 15 seconds.
	<b>Map (vehicles with navigation system)</b> Displays the destination searched by the location based services on the navigation system.
	<b>Call</b> A call can be made to the telephone number of a shop searched using the Location Based Services. Available when a device is connected as a Hands-Free.
	Returns to the previous content.
	Pauses playback of the content. When selected again, playback resumes.

Icon	Function
	Goes to the next content.
	Fast-forwards for 30 seconds.
	Displays sound settings to adjust audio quality level (refer to “Volume/Display/Sound controls” paragraph).

(\*) Some stations may use alternate variations of Like and Dislike, based on station type or provider.

### Main Menu

Select the  icon.



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Switch the tab and select the station category.

Tab	Function
Presets	Displays the preset station list set on the device. Select the preset station name to play the station content.
Nearby	Select the desired station. Guidance is provided to the searched destination near the vehicle's position. You can designate desired categories previously set using the filter setting on your device.

**Note:** The available Location Based Services may differ because the services depend on the content provided by Aha.

## Example Of Use (Location Based Services)

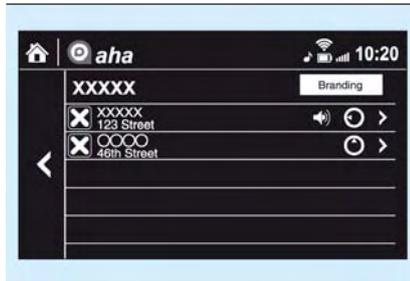
Proceed as follows:

1. Select the desired station from the Nearby tab on the main menu. The destination name or address playback starts in the order of the destination name list.



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2. When the icon is selected, the currently displayed destination is displayed on the navigation system (vehicles with navigation system).
3. When the  icon is selected, a phone call is placed to the currently displayed destination.
4. Select the  icon to display the content list. Selection of other destinations from the list can be made.



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## Shout

Some social stations, such as Facebook or Caraoke, support the ability to record and share voice messages using the “Shout” function.

1. Select the  icon and start the countdown (3, 2, 1, 0). Recording starts when the countdown reaches zero.
2. Records voice.
3. Select Save and store/post the recording.

### Note:

- Recordable time varies depending on the station (max. 30 seconds).
- Recording stops automatically when the recordable time has elapsed. You can then post or delete the recording.

## How To Use Stitcher Radio – If Equipped

### What Is Stitcher Radio

Stitcher radio is an application which can be used to listen to Internet radio or stream podcasts. Recommended content is automatically selected by registering content which you put into your favorites or by pressing the Like or Dislike button.

For details on Stitcher Radio, refer to <http://stitcher.com/>

(\*) Stitcher, the Stitcher logo, and the Stitcher trade dress are trademarks or registered trademarks of Stitcher, Inc., used with permission.

**Note:** To operate Stitcher Radio from your Bluetooth device, perform the following in advance:

- Install the Stitcher Radio application to your device;
- Create a Stitcher Radio account for your device;
- Log onto Stitcher Radio using your device.

### Playback

Select the  icon on the home screen to display the Entertainment screen.

When Stitcher is selected, the following icons are indicated in the bottom part of the center display.

Icon	Function
	Displays the entertainment menu. Use to switch to a different audio source.
	Displays the main menu. Use to switch to other stations.
	<b>Dislike</b> Evaluates the current content as “Dislike”.
	<b>Like</b> Evaluates the current content as “Like”.
	Adds the current station to your favorites or deletes the current station from your favorites.
	Reverses for 30 seconds.
	Plays the station. Select it again to pause playback.
	Goes to the next station.
	Displays sound settings to adjust audio quality level (refer to “Volume/Display/Sound Controls” paragraph).

## Station List

Proceed as follows:

1. Select the  icon to display the station list.
2. Favorite (1) station name: select to display the program registered to your favorites.
3. Category (2) name: a recommended category selected from your favorites by Stitcher is displayed.

Select it to display the category program.



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Select the program name to play it.

## Add to your favorites

If the current program has not been registered to your favorites, it can be registered to your favorites.

Proceed as follows:

1. Select the  icon to display the favorite station of which the registration can be added.
2. Select the station name which you want to register.
3. Select OK to add the program to the selected favorites station.

### Note:

- Multiple favorites stations can be selected and registered.
- Favorites stations registered by oneself as well those set by default are displayed.

## Delete from your favorites

If the current program has already been registered to your favorites, the program can be deleted from your favorites.

Proceed as follows:

1. Select the  icon.
2. The program is automatically deleted from the favorites stations.

## TROUBLESHOOTING

### Bluetooth Hands-Free Customer Service

If you have any problems with Bluetooth, contact an authorized dealer.

### Bluetooth Device Pairing (Connection Problems)

**Note:** For more information and device compatibility, please refer to [www.FiatConnect.com](http://www.FiatConnect.com)

Symptom	Cause	Solution Method
Unable To Perform Pairing.	—	First make sure the device is compatible with the Bluetooth unit, and then check whether the Bluetooth function and the Find Mode/Visible setting (*) on the device are turned on. If pairing is still not possible after this, contact a authorized dealer.
Pairing Cannot Be Performed Again.	The pairing information paired to the Bluetooth unit or device is not recognized correctly.	Perform pairing using the following procedure: <input type="checkbox"/> Clear “124 Spider” stored in the device <input type="checkbox"/> Perform pairing again
Unable To Perform Pairing. Does Not Connect Automatically When Starting The Engine.	The Bluetooth function and the Find Mode/Visible setting (*) on the device may turn off automatically after a period of time has elapsed depending on the device.	Check whether the Bluetooth function and the Find Mode/Visible setting (*) on the device are turned on and pairing or reconnect.
Automatically Connects, But Then Disconnects Suddenly.		
Disconnects Intermittently.	The device is in a location in which radio wave interference can occur easily, such as in a bag or in a rear pocket of a pair of pants.	Move the device to a location in which radio wave interference is less likely to occur.
Does Not Connect Automatically When Starting The Engine.	The pairing information is updated when the device OS is updated.	Perform pairing again.

(\*) Setting which detects the existence of a device external to the Bluetooth unit

**Note:**

When the OS of the device is updated, the pairing information may be deleted. If this happens, reprogram the pairing information to the Bluetooth unit.

If you pair your phone which has already been paired to your vehicle more than once in the past, you need to delete “124 Spider” on your mobile device. Then, execute the Bluetooth search on your mobile device once again, and pair to a newly detected “124 Spider”.

Before you pair your device, make sure that Bluetooth is “ON”, both on your phone and on the vehicle.

**Voice Recognition Related Problems**

Symptom	Cause	Solution Method
Poor Voice Recognition	<input type="checkbox"/> Excessive, slow speech <input type="checkbox"/> Excessive, forceful speech (shouting) <input type="checkbox"/> Speaking before the beep sound has ended	Regarding the causes indicated on the left, be careful with how you speak. In addition, when numbers are spoken in a sequence, recognition ability will improve if no stop is placed between the numbers.
False Recognition Of Numbers	<input type="checkbox"/> Loud noise (speaking or noise from outside/inside vehicle) <input type="checkbox"/> Airflow from A/C is blowing against the microphone <input type="checkbox"/> Speaking in off-standard expressions (dialect)	
Poor Voice Recognition	There is a malfunction in the microphone.	A poor connection or malfunction with the microphone may have occurred. Contact an authorized dealer.
Phone-Related Voice Recognition Is Disabled.	There is a problem with the connection between the Bluetooth unit and the device.	If there is any malfunction after checking the pairing situation, check for device pairing or connection problems.

Symptom	Cause	Solution Method
Names In The Phonebook Are Not Easily Recognized.	The Bluetooth system is under a condition in which recognition is difficult.	<p>By carrying out the following measures, the rate of recognition will improve.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Clear memory from the phonebook which is not used very often.</li> <li><input type="checkbox"/> Avoid shortened names, use full names (recognition improves the longer the name is. By not using names such as "Mom", "Dad", recognition will improve).</li> </ul>
When Operating The Audio, A Song Name Is Not Recognized.	Song names cannot be recognized by voice.	—
You Want To Skip Guidance.	—	Guidance can be skipped by quickly pressing and releasing the Talk button.

### Regarding Problems With Calls

Symptoms	Cause	Solution Method
When starting a call, vehicle noise from the other party can be heard.	For about three seconds after starting a call, the Bluetooth unit's Noise Suppression function requires time to adapt to the call environment.	This does not indicate a problem with the device.
The other party cannot be heard or the speaker's voice is quiet.	The volume is set at zero or low.	Increase the volume.

## Other Problems

Symptoms	Cause	Solution Method
The indication for the remaining battery is different between the vehicle and the device.	The indication method is different between the vehicle and the device.	—
When a call is made from the vehicle, the telephone number is updated in the incoming/outgoing call record but the name does not appear.	The number has not been registered into the phonebook.	If the number has been registered into the phonebook, the incoming/outgoing call record is updated by the name in the phonebook when the engine is restarted.
The cell phone does not synchronize with the vehicle regarding the incoming/outgoing call record.	Some types of cell phones do not synchronize automatically.	Operate the cell phone for synchronization.
It takes a long time to complete the function for changing the language.	A maximum of 60 seconds is required.	—

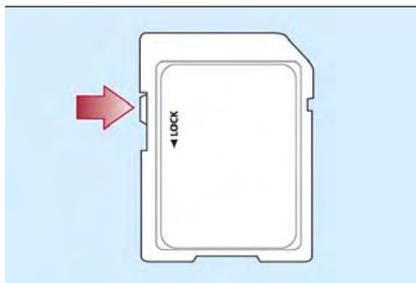
## NAVIGATION

### Before Using The Navigation System

To use the navigation system, the SD card containing the map information needs to be inserted in the SD card slot.

When inserting the SD card, never move the slider on the side of the SD card to the LOCK position. If the slider is set to LOCK, the SD card cannot be read and the navigation system will not operate.

This SD card is valid for use in only one vehicle. Never use it in another vehicle. If the SD card is used first in one vehicle and then in another, the navigation system for either one of the vehicles may become inoperable.

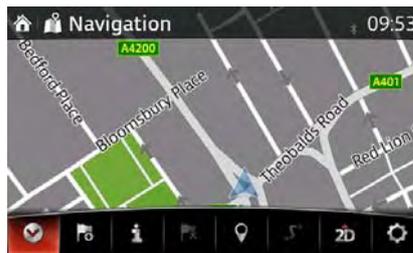


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### Navigation Menu

You can reach all parts of the navigation system from the Navigation menu.

Select and open the navigation menu.



1L001

You have the following options:

- : Opens and closes the UMP (menu bar). The UMP (menu bar) is displayed on the lower part of the screen.
- : Adds a destination. Select your destination by entering an address or

selecting a POI (point of interest), a location on the map or one of your Favorite destinations. You can also look up your recent destinations from the Smart History by entering the coordinates. If an Internet connection is available, Local Search can be of further help to find your destination.

- : Displays the screen where traffic information and the GPS reception conditions can be set and verified.
- : Cancels waypoint/route.
- : Finds Places nearby You can search for points of interest (POI) near the vehicle position.
- : Displays the route parameters and the route in its full length on the map. You can also perform route-related actions such as editing or cancelling your route, picking route alternatives, avoiding parts of the route, simulating navigation or adding the destination to your Favorites.
- : Changes View mode. The map view mode can be changed (2D north up/2D heading up/3D).
- : Switches to the Settings screen where you change navigation settings.

**Note:** Some functions are not available depending on some countries and regions.

## Buttons And Other Controls On The Screen

### Using Keyboards

You only need to enter letters or numbers when you cannot avoid it. You can type with your fingertips on the full-screen keyboards and you can switch between various keyboard layouts, for example English, Greek or numerical.

Task	Instruction
Correcting Your Entry On The Keyboard	Select  to remove the unneeded character(s). Select and hold the button to delete several characters or the entire input string
Entering A Space, For Example Between A First Name And A Family Name Or In Multi-Word Street Names	Select  (the button at the bottom center of the screen)
Entering Upper And Lower Case Letters	When entering a text, the first character appears in upper case while the rest of the text is in lower case. Select  to enter an upper case letter or select twice to turn on Caps Lock. Select again and lower case letters return.
Finalizing The Keyboard Entry	Select The Check Mark <input type="checkbox"/> Accepting the suggested search result. <input type="checkbox"/> Saving your input. Select  . <input type="checkbox"/> Opening the list of search results.
Cancelling The Keyboard Entry (Returning To The Previous Screen)	Select  .

## Press And Hold

You usually need to select the screen only once, however, some useful features can be accessed with combined touch screen selecting.

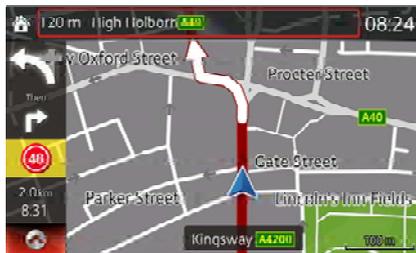
Those are as follows:

Action	Button(s)	Detail
		Touching the button on the map screen once changes the scale in one step. Continuously touching the button changes the scale sequentially.
Continue pressing the button		Touching the button on the map screen once changes the point of view in one step. Continuously touching the button changes the point of view sequentially.
		Touching the button on the map screen once rotates the map. Continuously touching the button rotates the map sequentially.
		Touching the button on the keyboard screen once erases one character. Continuously touching the button erases several characters rapidly.

## Map Screen

### Navigation On The Map

The data fields are different when you are navigating an active route and when you have no specified destination (the burgundy line is not displayed).



Field	Description
Speed Limiter Symbol	Shows the speed limit of the current road if the map contains it.
Distance Traveled	Shows the distance you need to travel on the route before reaching your final destination. Shows the estimated arrival time at the final destination of the route. If the navigation system is capable of receiving live traffic information, the calculation takes into account traffic delays affecting your route. This estimation can be inaccurate at times.

**Note:** Some functions are not available depending on some countries and regions.

## Position Markers

### **Selected Map Location (Cursor) And Selected Map Object**

You can mark a map location in the following ways:

1. Select the map during route guidance.
2. Select the map when asked so that the destination can be confirmed after the search is completed.
3. Select the destination from the map (see “Selecting A Map Location As The Destination”).

When a map location is selected, the Cursor appears at the selected point on the map. A symbol  with a combined crosshair and red circle is displayed for easy visibility of any map scale size.

The location of the Cursor can be used as the destination of the route.

You can search for a POI (point of interest), or you can save it as one of your Favorites destinations.

You can also select some of the objects on the map. If you select the map at the icon of a POI (point of interest) or a traffic event, the object will be selected. You can then get information about this object or use it as a route point.

**Note:** Some functions are not available depending on some countries and regions.

## Objects On The Map

### **Streets And Roads**

The navigation system shows the roads in different widths and colors so that they can be easily identified. A expressway will be thicker and a different color than a small street.

### **Turn Preview And Next Street**

When navigating a route, the top section of the Map screen shows information about the next maneuver, street or town.

There is an area at the top left part of screen which indicates the next operation.

Displays both the event type (such as turning, detouring, exiting expressways), and the distance from the current position.

When the next event approaches, the second event is displayed using a small icon. If there is no second event, only the next event is displayed.



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Most of these icons are very intuitive. The same symbols are used in both fields:

Icon	Description
	Turn Left
	Turn Right
	Turn Back
	Bear Right
	Turn Sharp Left
	Keep Left
	Continue Straight In The Intersection
	Go Left/Right On The Roundabout, 3rd Exit (Next Maneuver)
	Enter Expressway
	Exit Expressway
	Board Ferry
	Leave Ferry
	Approaching A Waypoint
	Approaching The Destination

## Lane Information and Signposts

When navigating on multilane roads, it is important to take the appropriate lane in order to follow the recommended route.

If lane information is available in the map data, the navigation system displays the lanes and their directions using small arrows at the bottom of the map.

Highlighted arrows represent the lanes and direction you need to take.

Lane guidance is provided constantly if there is map information. Signposts are displayed at the top of the map.

The color and style of the signposts are similar to the real ones you see above road or by the roadside.

They show the available destinations and the number of the road the lane leads to.



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When navigating a route, only the signpost that points to the lane(s) to be taken is displayed in bright colors; all others are darker. All signposts and lane guidance arrows are displayed in vivid colors while driving (when there is no recommended route).

If you want to hide the currently displayed signposts, touch anywhere and the normal Map screen returns until new signpost information is received.

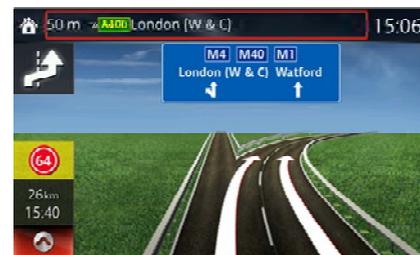


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## Junction View

If you are approaching a highway exit or a complex intersection and the needed information exists, the map is replaced with a 3D view of the junction.

The optimum driving lane is indicated by an arrow, and road signs are displayed as additional information at the top of the screen.



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## Highway Exit Services

You may need to stop at a gas station or a restaurant during your journey. This feature displays a new button on the map when you are driving on highways.

Select this Open button to open a panel with the details of the next few exits or service stations.



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Applicable only when the setting is “Only When Menu Is Open”.



GUID-230010-high.tif

Select any of them to display the exit area on the map. You can now easily add this exit as a waypoint to your route if needed.

There are two types of settings for displaying the next expressway exit: one which constantly displays the next expressway exit while travelling on an expressway, or the other which displays the next expressway exit only when the menu panel is open.

You can change the settings in Visual Guidance settings.

### ***Elements Of The Active Route***

The navigation system shows the route in the following way:

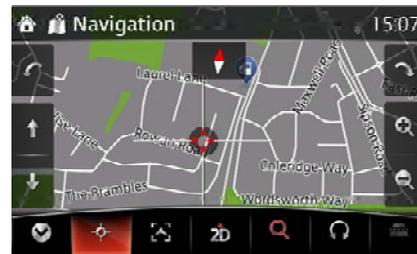
Symbol	Name	Description
	Current Car Position Marker	If there is a road close by, a blue-colored arrow symbol moves to the road which is the closest. The red mark present around a blue-colored arrow symbol indicates the correct GPS information. It may be indicated away from the road because there is no existing road information.
	Waypoint (Intermediate Destination)	An intermediate destination of the route before reaching the final destination.
	Destination (End Point)	The final destination of the route.
	Route Color	The route always stands out with its color on the map, both in daytime and in nighttime mode.
	Streets And Roads That Are Excluded From The Navigation	You can choose whether you want to use or avoid certain road types (see “Route Settings”). However, when the navigation system cannot avoid such roads, the route will include them and it will show them in a color that is different from the route color.
	Streets And Roads That Are Affected By Traffic Events	Road segments may be affected by traffic events received. These streets and roads are displayed in an alternate color, and small symbols displayed along the route show the type of traffic event

**Note:** Some functions are not available depending on some countries and regions.

## Manipulating The Map

By touching and dragging any part of the map screen, it can be moved to a location close to the currently displayed map.

In addition, the map operation button is displayed, and by touching each of the buttons, you can zoom in and out of maps, change the map perspective and select a destination.



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Action	Button(s)	Description
Map Movement Using Touch And Drag	No Button	You can move the map in any direction: select and hold the map, and move your finger towards the direction you want to move the map.
Zooming In And Out		Changes how much of the map is displayed on the screen. The navigation system uses high-quality vector maps that let you examine the map at various zoom levels, always with optimized content. Map scaling has a limit in 3D map view mode. If you zoom out further, the map switches to 2D view mode. Select the button once to modify the view in large steps, or select and hold the button to modify it continuously and smoothly.
Tilting Up And Down		Changes the vertical view angle of the map in 3D mode. Select the button once to modify the view in large steps, or select and hold the button to modify it continuously and smoothly.
Rotating Left And Right		Changes the horizontal view angle of the map. Select the button once to modify the view in large steps, or select and hold the button to modify it continuously and smoothly.
Compass		The direction of the compass shows North. Select the button to switch to North-up view, and then select again to rotate the map in the previous direction.
Open/Close		The UMP (menu bar) is displayed on the lower part of the screen. Hides the displayed UMP if the UMP has been displayed.
Select Destination		Select this button to select the Cursor as a new destination. The route is automatically calculated.

Action	Button(s)	Description
Return To Normal Navigation		Select this button to move the map back to follow the current GPS position. Automatic map rotation is also re-enabled. The map manipulation buttons disappear and navigation continues.
2D Or 3D View	  	<p>When this button is selected, the map view mode can be changed:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The map is displayed so that north is up regardless of the direction of travel.</li> <li><input type="checkbox"/> The map is rotated so that the direction of travel is displayed in the upward direction.</li> <li><input type="checkbox"/> Displays things such as actual construction sites three dimensionally on the map.</li> </ul>
Zoom-In/Zoom- Out Mode		You can zoom-in/zoom-out of maps.
Rotate Mode		Rotates maps.
Perspective Angle Mode		You can change the angle of perspective on a map.

### Check The Details Of The Current Position (Where Am I?)

This screen contains information about the current position (or about the last known position if GPS reception is not available).



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You can access this screen from the map in one of the following ways:

1. Select  after selecting  on the MAP screen.
2. Select the Where Am I? screen.

### On-Road Navigation

You can set up your route in different ways.

If you need a route for immediate navigation, you can select the destination and start navigating to it right away (normal navigation).

You can plan routes with multiple destinations. Select the first destination. Then select a second destination and add it to your route to create a multi-point route.

You can add as many destinations to your route as you like.

## Selecting The Destination Of A Route

The navigation system offers you several ways of choosing your destination:

- Enter a full address or a part of an address.
- Select a POI (point of interest) from a database as your destination.
- Search the destination from the map.
- Use a previously saved Favorite destination.
- Select a location from the History of previously used destinations.
- Enter the coordinates of the destination.

**Note:** There are other convenient functions.

## Entering An Address Or A Part Of An Address

If you know at least a part of the address, it is the quickest way to select the destination of the route.

Using the same screen, you can find an address by entering:

- Destination address
- The center of a town

- An intersection
- The midpoint of a street

**Note:** If an address or part of a facility name is input, a search candidate list including the input characters is displayed. The greater the number of characters input the more the list is refined.

## Entering An Address

To enter an address as the destination, do as follows:

1. Select  after selecting on the MAP screen.
2. Select Find Address.
3. By default, the navigation system proposes the country and town where you are. If needed, select Country, enter the first few letters of the country name on the keyboard, and select one country from the list of results.

4. If needed, select a new town:

- A Select Town.
- B Start entering the name of the town on the keyboard.
- C Find the town you need:
- D The most likely town name is always shown in the input field. To accept it, select .
- E If the desired name does not show up, the names that match the string appear in a list after entering a couple of characters (to open the list of results before it appears automatically, select ). Select the town from the list.



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IL002

5. Enter the street name:

- A Select <street name>
- B Start entering the street name on the keyboard.
- C Find the street you need:
- D The most likely street name is always shown in the input field. To accept it, select .

- E If the desired name does not show up, the names that match the string appear in a list after entering a couple of characters (to open the list of results before it appears automatically, select ). Select the street from the list.



IL003

6. Enter the house number:

- A Select House Number.
- B Enter the house number on the keyboard. (To enter letters, select QWE).
- C Select  to finish entering the address. (If the entered house number cannot be found, the midpoint of the street is selected as the destination).



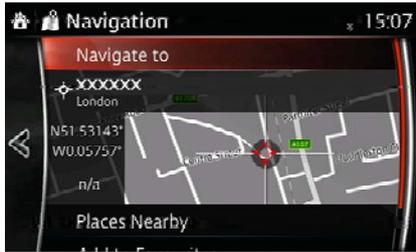
GUID-310006-high.tif

- 7. The selected location is shown on the map. The system transitions to the next screen by selecting, or it returns to the previous screen by selecting Navigate To or it returns to the previous screen by selecting the

button . By touching the location displayed on the screen, you can change the destination to anywhere on the map.

**Note:**

-  Places Nearby: you can search for POI (point of interest) around the selected location.
-  Add to Favorites: the selected location can be registered to Favorites.



GUID-310007-high.tif

8. Navigation Start if is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



GUID-310008-high.tif

**Entering The Midpoint Of A Street As The Destination**

You can navigate to the midpoint of a street if the house number is not available:

1. Select  after selecting on the MAP screen.
2. Select Find Address.
3. If necessary, modify the country and town as described earlier (see “Entering An Address”).
4. Enter the street name:
  - A Select <street name>
  - B Start entering the street name on the keyboard.

- C Find the street you need:
- D The most likely street name is always shown in the input field. To accept it, select .
- E If the desired name does not show up, the names that match the string appear in a list after entering a couple of characters (to open the list of results before it appears automatically, select ). Select the street from the list.



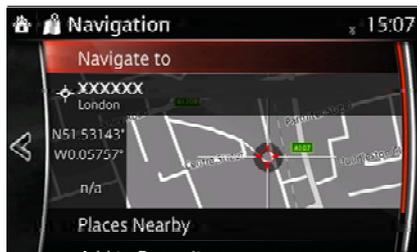
IL003

5. Instead of entering the house number, select "Select Street". The midpoint of the street is selected as the destination.



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6. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the button . By touching the location displayed on the screen, you can change the destination to anywhere on the map.



GUID-310007-high.tif

### Note:

Places Nearby: you can search for POI (point of interest) around the selected location.

Add to Favorites: the selected location can be registered to Favorites

7. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



GUID-310008-high.tif

## Selecting An Intersection As The Destination

To enter an address as the destination, do as follows:

1. Select  after selecting on the MAP screen.

2. Select Find Address.

3. If necessary, modify the country and town as described earlier.

4. Enter the street name:

A Select <street name>

B Start entering the street name on the keyboard.

C Find the street you need:

D The most likely street name is always shown in the input field. To accept it, select .

E If the desired name does not show up, the names that match the string appear in a list after entering a couple of characters (to open the list of results before it appears automatically, select ). Select the street from the list.



IL003

5. Enter the intersecting street name:
  - A Select <Intersecting Street>
  - B If only a few intersecting streets exist, their list appears immediately.
  - C In case of a longer street, the keyboard screen appears. Start entering the name of the intersecting street on the keyboard. As soon as the street names that match the entered string can be shown on one

screen, their list appears automatically. Select the street from the list.



IL004

6. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



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**Note:**

- Places Nearby: you can search for POI (point of interest) around the selected location.
  - Add to Favorites: the selected location can be registered to Favorites.
7. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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## Selecting A Town Center As The Destination

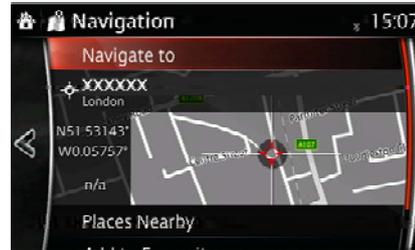
The town center is not the geometric center of the town but an arbitrary point on the map the creators have chosen. In towns and villages, it is usually the most important intersection; in larger cities, it is one of the important intersections.

1. Select  after selecting on the MAP screen.
2. Select Find Address.
3. If necessary, modify the country and town as described earlier (see “Entering An Address”).
4. Instead of entering the street name, select “Select Town Center”. This way the center of the displayed town becomes the destination of the route.



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5. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the  button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



GUID-310007-high.tif

### Note:

- Places Nearby: you can search for POI (point of interest) around the selected location.
  - Add to Favorites: the selected location can be registered to Favorites.
6. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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## Selecting The Destination From The POI (Point Of Interest)

You can select your destination from the POI (point of interest) included with the navigation system.

Using the same screen, you can find a POI (point of interest) in different ways:

- You can quickly find a nearby POI (point of interest) by its name using the Quick search feature;
- You can find frequently searched types of POI (point of interest) with only a few screen selects using the Preset search feature;
- You can search for a POI (point of interest) by its category;
- You can search for a POI (point of interest) by its name.

## Quick Search For A POI (Point Of Interest)

If the name for a POI (point of interest) is input, a search candidate list is displayed.

One destination among the candidates can be selected.

- Along the recommended route if it exists
- Around your current location if there is no destination given.

Start the Quick search function:

1. Select  after selecting on the MAP screen.
2. Select Find Places.



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3. Select Filter by Name.



GUID-310012-high.tif

4. Using the keyboard, enter the name of the POI (point of interest).

**Note:** If an address or part of a facility name is input, a search candidate list including the input characters is displayed. The greater the number of characters input the more the list is refined.



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5. After entering a few letters, select  to open the list of POI (point of interest) with names containing the entered character sequence.



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6. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting  the button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.

### Note:

- Places Nearby: you can search for POI (point of interest) around the selected location.
- Add to Favorites: the selected location can be registered to Favorites.

7. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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### Searching For Help Nearby

The Preset search feature lets you quickly find the most frequently selected types of Places.

1. Select after selecting  on the MAP screen, or select Find Places after selecting  as an alternative method.



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2. In the Navigation menu, select Help Nearby.

3. Preset search categories appear, all for searching around the current position (or around the last known position if the current position is not available).

4. Select any of the quick search buttons to get an instant list of Places.



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5. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the  button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



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### Note:

Places Nearby: you can search for POI (point of interest) around the selected location.

Add to Favorites: the selected location can be registered to Favorites.

6. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify

the route. Additionally, the route can be revised by selecting other options.



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### Searching For A POI (Point Of Interest) By Category

You can search for Places of Interest by their categories and subcategories.

- A Select  after selecting on the MAP screen.
- B Select Find Places.
- C Select Area.
- D Select the area around which the Place should be searched for:

Select Find Places to search around the current position or if it is not available, around the last know position (the result list will be ordered by the distance from this position).

Select to search along the active route, and not around a given point. This is useful when you search for a later stopover that results in a minimal detour only, such as searching for upcoming gas stations or restaurants (the result list will be ordered by the length of the necessary detour).

Select to search for a place around the destination of the active route (the result list will be ordered by the distance from the destination).

Select to search for a place within a selected town (the result list will be ordered by the distance from the center of the selected town).



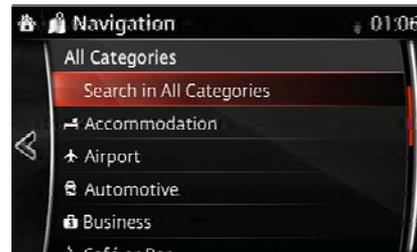
GUID-310200-high.tif

E (Optional) If you have selected In a Town, select the town to search in.



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F Select one of the main Place categories (e.g. Accommodation) or select “Search In All Categories” to list all Places around the selected location or along the route.



GUID-310202-high.tif

G Select one of the Place subcategories (e.g. Hotel or Motel) or select “Search In All Categories” to list all Places in the selected main category around the selected location or along the route.



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H Sometimes the list of brands in the selected Place subcategory appears. Select one brand or select “Search In All Categories” to list all Places in the selected subcategory around the selected location or along the route.



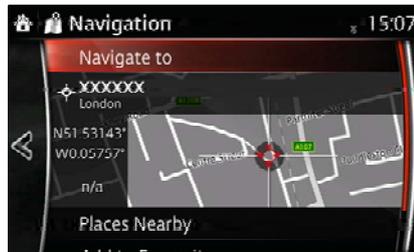
GUID-310014-high.tif

I Select Search.



GUID-310012A-high.tif

J The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the < button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



GUID-310007-high.tif

**Note:**

- Places Nearby: you can search for POI (point of interest) around the selected location.
- Add to Favorites: the selected location can be registered to Favorites.

K Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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**Searching For A POI (Point Of Interest) By Name**

You can search for Places of Interest by their names. You can search around different locations or along your route in the whole Place database or in one Place category or subcategory only.

1. Select  after selecting on the MAP screen.
2. Select Find Places.
3. Select Area.
4. Select the area around which the Place should be searched for:

Select Around Here to search around the current position or if it is not available, around the last known position (the result list will be ordered by the distance from this position).

Select Along Route to search along the active route, and not around a given point. This is useful when you search for a later stopover that results in a minimal detour only, such as searching for upcoming gas stations or restaurants (the result list will be ordered by the length of the necessary detour).

Select Around Destination to search for a place around the destination of the active route (the result list will be ordered by the distance from the destination).

Select In a Town to search for a place within a selected town (the result list will be ordered by the distance from the center of the selected town).



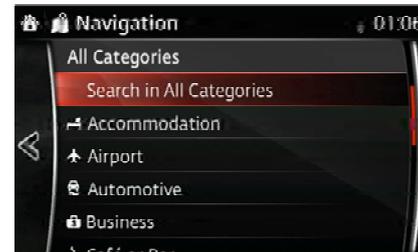
GUID-310200-high.tif

5. (Optional) If you have selected In a Town, select the town to search in.



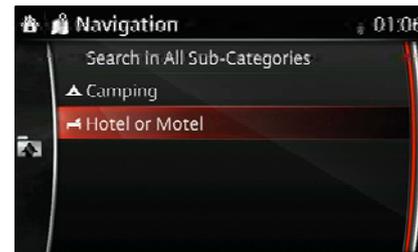
GUID-310201A-high.tif

6. Select one of the main Place categories (e.g. Accommodation) to search in or select Filter by Name to search among all Places.



GUID-310202-high.tif

7. Select one of the Place subcategories (e.g. Hotel or Motel) to search in or select Filter by Name to search in the selected Place category.



GUID-310203-high.tif

8. Select Filter by Name if you have not done it before.



GUID-310204-high.tif

9. Using the keyboard, start entering the name of the Place.



GUID-310013-high.tif

10. After entering a few letters, select  to open the list of Places with names containing the entered character sequence.



GUID-310016-high.tif

11. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the  button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.

**Note:**

- Places Nearby: you can search for POI (point of interest) around the selected location.
- Add to Favorites: the selected location can be registered to Favorites.

12. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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**Searching For A Place Using Local Search (Only Some Countries And Region)**

If you have an Internet connection, you can search for places using the Local Search service.

1. Select  after selecting on the MAP screen.
2. Select Local Search.

3. Using the keyboard, start entering the text to search for. This text can be a type of Place (like “Hotel”), a type of goods you are looking for (like “Pizza” or “Vacuum cleaner”) or even a street name followed by the town. (Optional) The local search is carried out around your current location. To search around a different location, enter the name of the town after the word you are looking for. You can enter up to 25 characters.



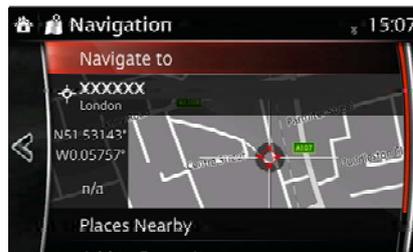
GUID-310025-high.tif

4. After entering the text, select the check mark to open the list of results:



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5. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the  button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



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## Note:

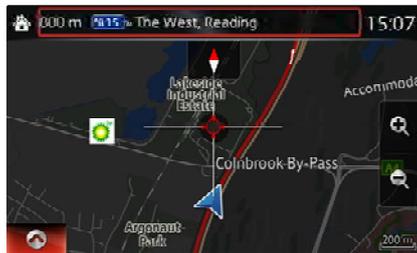
- Places Nearby: you can search for POI (point of interest) around the selected location.
  - Add to Favorites: the selected location can be registered to Favorites.
6. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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## Selecting A Map Location As The Destination

1. Touch anywhere on the map.



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2. Drag the cursor and release it at the desired point.

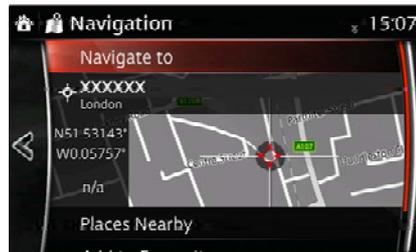


GUID-310028-high.tif

3. Select .

4. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To,

or it returns to the previous screen by selecting the  button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



GUID-310007-high.tif

### Note:

Places Nearby: you can search for POI (point of interest) around the selected location.

Add to Favorites: the selected location can be registered to Favorites.

5. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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## Selecting The Destination From Your Favorites

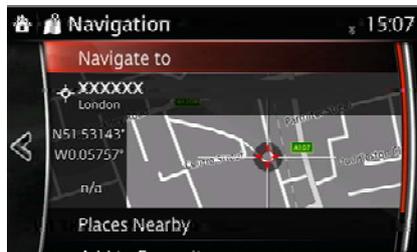
1. Select  after selecting on the MAP screen.

2. In the Navigation menu, select Favorites. When Favorites is selected, the screen transfers to the Favorites screen. Select your registered favorite.



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3. The selected location is shown on the map. The system transitions to the next screen by selecting **Navigate To**, or it returns to the previous screen by selecting the button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



GUID-310007-high.tif

**Note:**

- **Places Nearby:** you can search for POI (point of interest) around the selected location.

- **Add to Favorites:** the selected location can be registered to Favorites.

4. Navigation starts if “Start” is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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### Entering The Coordinates Of The Destination

You can also select a destination by entering its coordinates as follows:

1. Select **Coordinate** after selecting on the MAP screen.
2. In the Navigation menu, select **Coordinate**.



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3. Input the map coordinates value of Latitude and Longitude.



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4. When finished, select **Done**.



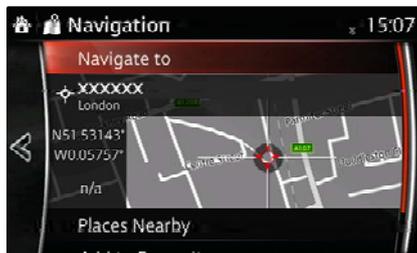
GUID-310032A-high.tif



GUID-310032B-high.tif

5. Select “Select”.

6. The selected location is shown on the map. The system transitions to the next screen by selecting Navigate To, or it returns to the previous screen by selecting the  button. By touching the location displayed on the screen, you can change the destination to anywhere on the map.



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### Note:

- Places Nearby: you can search for POI (point of interest) around the selected location.
  - Add to Favorites: the selected location can be registered to Favorites.
7. Navigation starts if Start is selected, or after ten seconds of no user interaction. By touching the location displayed on the screen, you can verify the route. Additionally, the route can be revised by selecting other options.



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### Check Route Parameters And Accessing Route Related Functions

You can check different parameters of the route recommended by the navigation system.

1. Select  after selecting on the MAP screen.
2. The following pieces of information are displayed:
  - The name and/or address of the destination.
  - The total time of the route.
  - The total length of the route.
  - The route planning method (e.g. Fast).



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3. You have the following options on this screen (for detailed instructions on how to use them, see the next chapter):
  - Select **Edit Route to edit the route.**
  - Select to display the entire route on the map.



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- Select **Avoid to bypass a part of the route.**
- Select **Cancel Route to delete the active route.**

**Note:** There are other convenient functions.

### Modifying The Route

When navigation is already started, there are several ways to modify the active route. The following sections show some of those options.

### Selecting a new destination when already having a route: **New Route, Waypoint or Final Destination**

If you already have a recommended route and you select a new destination as described in the above sections, the application will ask you whether to start a new route, add a new waypoint (intermediate destination) to the route or append the newly selected destination at the end of the current route.



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- Select **New Route** to plan a new route to the newly selected location. The previous destination and waypoint(s) are deleted.
- Select **Waypoint** to add the newly selected location as an intermediate destination to your route. The other destinations of the route remain intact. Note: the new waypoint is placed among destinations to keep the route optimal. To decide where a waypoint to appear, use the Edit Route feature.
- Select **Final Destination** to append the newly selected destination at the end of the route. The other destinations of the route remain intact. The previous final destination is now the last waypoint.

### Editing the list of destinations (**Edit Route**)

You can edit the route by modifying the list of destinations.

1. Select  after selecting on the MAP screen.
2. Select **Edit Route.**



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3. Edit the destination or waypoint.
  - +**: add the new destination or waypoint.
  -  **Start** : start the route plan in consideration of the selected destination or waypoint.
4. Select the destination or waypoint to display the menu.
  -  : close the menu.
  -  : delete the selected destination or waypoint from the list.

 : move the selected destination or waypoint forward one by one.

 : move the selected destination or waypoint rearward one by one.



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### Checking Route Alternatives When Planning The Route

You can select from different route alternatives or change the route planning method after you have selected a new destination.

1. Select  after selecting on the MAP screen.
2. Select Route Alternative.



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3. The four route alternatives are displayed next to the selected route planning method. Select one to view it on the map.



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4. Details of a route can be checked by selecting Browse Map.



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5. Select one of the route alternatives or select  to return to the previous screen. The navigation system recalculates the route. The orange line now shows the new recommended route.

### Changing The Road Types Used In Route Planning

To recalculate the active route with different road type preferences, do as follows.

These changes can also be made in Settings.

1. Select  after selecting on the MAP screen.
2. Select **Route Settings**.



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3. Select any of the listed road types to modify the route. If needed, scroll the list for all road types. You have the following options (their order depends on the selected vehicle type):

- Motorway** You might need to avoid expressway if you are towing another vehicle.
- Period Charge** Charge roads are pay roads where you can purchase a pass or vignette to use the road for a longer period of time. They can be enabled or disabled separately from toll roads.
- Per-use Toll** The navigation system includes toll roads (pay roads where there is a peruse charge) in the routes by default. If you disable toll roads, the navigation system plans the best toll-free route.

**Ferries** The navigation system includes ferries in a planned route by default. However, a map does not necessarily contain information about the accessibility of temporary ferries. You might also need to pay a fare on ferries.

**Carpool Lanes** Setting in which routes with carpool lanes can be created or not created.

**Unpaved Roads** The navigation system excludes unpaved roads by default: unpaved roads can be in a bad condition and usually you cannot reach the speed limit on them.

**Border Crossing** A border crossing may be a shorter route depending on the route. For this function, you can select whether or not to cross a border when planning the route.

4. The route has already been recalculated. Select **<** to return to the Map screen.

**Note:** Some functions are not available depending on some countries and regions.

## Saving A Location As A Favorite Destination

You can add any location to Favorites, the list of frequently used destinations.

Planning a route to one of the Favorite destinations is described on “Selecting the destination from your Favorites”.

1. Select a destination as described before. It can be an address, a Place, any location on the map, a previously used destination from History, etc.
2. A searched destination can be registered to Favorites by selecting Add to favorites on the verification screen of the destination search results.



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## Editing The Details Of A Favorite Destination

You can select a location that you have already saved as a Favorite and edit its details.

1. Press the Favorites button on the multimedia control knob.
2. Select the Navigation tab.
3. The list of Favorite destinations is displayed.



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The following functions can be used by selecting Add/Edit Navigation Favorites.

- Add Current Location: set the current location to Favorites.
- Add Current Destination: register the current destination to Favorites.
- Add from Contact: register an address registered to the contacts list.
- Move: switch the Favorites order.

- Delete: delete the registered Favorites.
- Your home address can be registered/changed by selecting Home.
- The following functions can be used by selecting the registered Favorites:
  - Replace with Current Location: set the current location to Favorites.
  - Replace with Current Destination: register the current destination to Favorites.
  - Replace with Address from Contacts: register an address registered to the contacts list.
  - Move: switch the Favorites order.
  - Rename: edit the registered Favorites name.
  - Delete: delete the selected Favorites.

## Reference Guide

### Smart Zone

Smart Zoom provides much more than just a usual automatic zoom feature:

- While following a route: when approaching a turn, it will zoom in and raise the view angle to let you easily recognize your maneuver at the next junction. If the next turn is at a distance, it will zoom out and lower the view

angle to be flat so you can see the road in front of you.

- While driving without an active route: smart Zoom will zoom in if you drive slowly and zoom out when you drive at high speed.
- Off: turns the Smart Zoom setting off.

### Route Calculation And Recalculation

The navigation system calculates the route based on your preferences:

- Route planning methods:
  - Fast: gives a quick route if you can travel at or near the speed limit on all roads.
  - Short: gives a route that has the smallest total distance of all possible routes.
  - Economical: this method combines the merits of the Fast and Short routes. The navigation system makes a calculation for the Fast route, but it also includes other roads in the calculation in consideration of fuel economy.
  - Easy: results in a route with fewer turns and no difficult maneuver. With this option, you can make the navigation system take, for example, the expressway instead of a series of smaller roads or streets.

Road type used for route plan:

- Motorway:  Motorway
- Period Charge:  Period Charge
- Per-use Toll:  Per-use Toll
- Ferries:  Ferries
- Carpool Lanes:  Carpool Lanes
- Unpaved Roads:  Unpaved Roads
- Border Crossing:  Border Crossing

Whenever data exists, route calculation takes into account historical traffic data for the given day of week and time of day (see “Historical traffic”). If the setting for Traffic Settings is valid, Real-time Traffic events are taken into account and the route is largely modified. The navigation system automatically recalculates the route if you deviate from the proposed itinerary or if a newly received Traffic event concerns a part of the recommended route.

**Note:** Some functions are not available depending on some countries and regions.

## Road Safety Cameras And Other Proximity Alert Points (Only Some Countries And Regions)

There is a special proximity warning for road safety cameras (like speed or red light cameras) and other proximity alert points (like schools or railroad crossings).

The application can warn you when you approach road safety cameras like speed cameras or dangerous areas like school zones or railroad crossings. You can set up the different alert types individually in Warning Settings.

The following alert types are available:

- Audio warning: when approaching one of these points, a beep sound (regular sound) can be used or the type of warning can be announced (TTS), and an extra alert can warn you if you exceed the given speed limit while approaching the point.
- Always: the type of the alert point, its distance, and the related speed limit appear on the Map screen while you are approaching one of these points.

For some of the alert points, the enforced or expected speed limit is available. For these points, the audio alert can be different if you are below or above the given speed limit.

Setting can be selected using Warning Settings:

- Only when speeding: the audio alert is only played when you exceed the given speed limit.
- When approaching: the audio alert is always played when approaching one of these alert points. To draw your attention, the alert may differ if you exceed the speed limit.

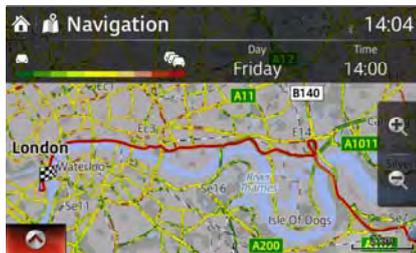
**Note:** The warning for road safety cameras is disabled when you are in a country where road safety camera warnings are prohibited. However, you must ensure on your own liability that using this feature is legal in the country where you intend to use it.

## Traffic Information In Route Planning – If Equipped

The recommended route is not always the same between two points. Offline historical traffic information (historical speed information or traffic patterns) can be taken into account in the route calculation based on the time of day and the day of week whenever suitable data exists. In addition, real-time traffic information can help you avoid current traffic events like temporary road closures or a traffic jam caused by an accident. Both functions are subject to data availability.

Select Traffic after selecting  on the MAP screen to display the historical traffic information on the map.

A 2D map is displayed with road segments colored by the density of the traffic in the given period. The current information is shown when you open the screen. Modify the day of week and the time of day to see the desired period.



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### Historical Traffic

If historical traffic information is available with the map data, the navigation system can use it when planning a route. In normal cases, these statistics help you avoid usual traffic jams on the given day of week in the given hour but in some cases, like on public holidays that fall on normal weekdays, they can be misleading. You can disable this feature in Traffic Settings.

Select Traffic after selecting  on the MAP screen to display the historical traffic information on the map.

### Traffic Message Channel (TMC)

TMC (Traffic Message Channel) can provide your navigation system with the real-time status of the traffic. Route calculation can avoid road blocks or unexpected traffic jams caused by an accident.

**Note:** This feature is available only if your hardware supports TMC.

**Note:** TMC is not a global service. It may not be available in your country or region. Ask your local dealer for coverage details.

The navigation system may contain the TMC receiver that is needed to receive Traffic events.

Ask your local dealer if public Traffic data is broadcast at your location. If so, the navigation system automatically takes into account the traffic events received. You do not need to set anything in the program.

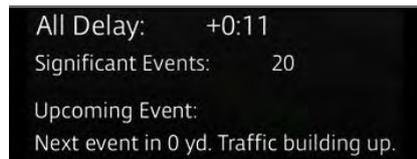
The receiver will automatically search for TMC data, and the decoded information will immediately be used in route planning. When the navigation system receives traffic information that may affect your route, the program will warn you that it is recalculating the route, and navigation will continue with a new route that is optimal considering the most up-to-date traffic conditions. To fine-tune this recalculation, you can set the minimum delay that can trigger a route recalculation, or you can instruct the navigation system to have you confirm the new recommended route before

it takes effect. You can do these in Traffic Settings.

A special icon (  ) is displayed on the Map screen to show you whether traffic events are received. The icon shows the status of the traffic receiver when there are no traffic events on your route, otherwise it shows the type of the next traffic event on your route.

Road segments affected by traffic events are displayed with an alternate color on the map, and small symbols above the road show the nature of the event:

1. Select (  ) to open the Traffic Summary screen:
2. Select to see the list of all events:



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3. Select the category.



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4. Select the traffic event.



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5. Select to avoid or ignore the traffic event.



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## Online Traffic Information

Unlike historical traffic information, online traffic can provide you with the real time status of the traffic. Route calculation can avoid road blocks or unexpected traffic jams caused by an accident.

**Note:** This feature needs an active Internet connection.

The application automatically takes into account the traffic events received. You do not need to set anything in the program. When the navigation system receives traffic information that may affect your route, the program will warn you that it is recalculating the route, and navigation will continue with a new route that is optimal considering the most up-to-date traffic conditions.

To fine-tune this recalculation, you can set the minimum delay that can trigger a route recalculation, or you can instruct the navigation system to have you confirm the new recommended route before it takes effect. You can do these in Traffic Settings.

Road segments affected by traffic events are displayed with an alternate color on the map, and small symbols above the road show the nature of the event:

1. Select  after selecting on the MAP screen.
2. Select Traffic.

3. Select the traffic category you are interested in, or select to see the list of all events.



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4. Now select any of the list items to see its details, and to display the affected road segment in its full length on the map.

## Setting Menu

You can configure the program settings, and modify the behavior of the navigation system. Select  after selecting on the MAP screen.



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Button	Descriptions
Map Settings	You can fine-tune the appearance of the Map screen. Adjust the map view to your needs, show or hide 3D buildings, and manage POI (point of interest) display settings (which POI to show on map).
Guidance Settings	A guidance-related setting is available during route guidance.
Warning Settings	A setting related to warnings is available.
Route Settings	Refer to “Changing The Road Types Used In Route Planning”.
Traffic Settings	A setting for traffic information is available.
Connected Settings	A setting for online service is available.

**Note:** Some functions are not available depending on some countries and regions.

## Guidance Setting

Button	Descriptions
Guidance Vol.	The guidance audio volume can be changed during route guidance.

## Warning Settings

Button	Descriptions
Speeding	<p>The following alert types are available:</p> <ul style="list-style-type: none"> <li>Off: No display and sound</li> <li>Visual Only: Only display</li> <li>Audio and Visual: Both sound and display</li> </ul> <p>If the guidance volume is set to 0, the speed limit notification is also 0 because it is part of the guidance</p>
Speed Limit	<p>The speed limit warning display can be changed.</p> <ul style="list-style-type: none"> <li>Always: Constantly displayed</li> <li>When Speeding: Displays only when vehicle speed exceeds speed limit</li> </ul>
Alert Points	<p>A setting is available which sounds a beep at alert points, and it can be set to on or off. In addition, detailed settings concerning the warning can be made.</p> <ul style="list-style-type: none"> <li>Off: No display and sound</li> <li>Visual Only: Only display</li> <li>Audio and Visual: Both sound and display</li> </ul>
Speed Cameras	<p>The speed camera warning setting can be changed.</p> <ul style="list-style-type: none"> <li>Off: No display and sound</li> <li>Visual Only: Only display</li> <li>Audio and Visual: Both sound and display</li> </ul>

**Note:** Some functions are not available depending on some countries and regions.

## Traffic Settings

Button	Description
Use Historical Traffic Data	Use this switch to enable or disable historical traffic data and traffic patterns. This locally stored information can be very useful in normal circumstances but for example on public holidays it may be better to turn off in order not to take into account normal weekday traffic jams.
Online Traffic	Use this switch to enable or disable receiving real-time traffic information online. The rest of the buttons below are all related to this real-time information and are available only if receiving is enabled. You can also define whether to receive online traffic only when connected to a Wi-Fi network.
Offer Detour	Alternative routes are offered for detours.
Auto Accept Detour	An appropriate alternative route is determined and provided by the navigation system in consideration of traffic conditions.
Detour Sensitivity	You can select how much time delay on the alternative route you are willing to accept. The alternative route is offered based on the set time.

**Note:** Some functions are not available depending on some countries and regions.

## Route Settings

Button	Description
Route Calculation Method	The route calculation can be optimized for different situations. See below for details.
Expressway	You might need to avoid expressway if you are towing another vehicle.
Period Charge	Charge roads are pay roads where you can purchase a pass or vignette to use the road for a longer period of time. They can be enabled or disabled separately from toll roads.
Per-use Toll	The navigation system includes toll roads (pay roads where there is a per-use charge) in the routes by default. If you disable toll roads, the navigation system plans the best toll-free route.
Ferries	The navigation system includes ferries in a planned route by default. However, a map does not necessarily contain information about the accessibility of temporary ferries. You might also need to pay a fare on ferries.
Carpool Lanes	Setting in which routes with carpool lanes can be created or not created.
Unpaved Roads	The navigation system excludes unpaved roads by default: unpaved roads can be in a bad condition and usually you cannot reach the speed limit on them.
Border Crossing	A border crossing may be a shorter route depending on the route. For this function, you can select whether or not to cross a border when planning the route.

**Note:** Some functions are not available depending on some countries and regions.

## Map Settings

You can fine-tune the appearance of the Map screen, adjust the map view to your needs, show or suppress 3D buildings, and manage Place visibility settings (which Places to show on the map).

The map is always shown on the screen so that you can see the effect when you change a setting. Scroll the screen downward to display the setting behind the lower part of the screen.



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Button	Descriptions
View Mode	When this button is selected, the map view mode can be changed: <ul style="list-style-type: none"><li><input type="checkbox"/> <b>3D:</b> Displays things such as actual construction sites three dimensionally on the map</li><li><input type="checkbox"/> <b>2D:</b> The map is rotated so that the direction of travel is displayed in the upward direction</li><li><input type="checkbox"/> <b>2D N:</b> The map is displayed so that north is up regardless of the direction of travel</li></ul>
Viewpoint	Adjust the basic zoom and tilt levels to your needs. Three levels are available.
Automatic Zoom	During route guidance in any map view mode, the function for zooming in on approaching intersections turns on/off automatically.
Buildings	Show or hide 3D town models, 3D artistic or block representation of all town building data containing actual building sizes and positions on the map.
Expressway Overview	When enabled, the map zooms out to show an overview of the surrounding area if the next route event (maneuver) is far away. The system goes back to the normal map view when you approach the next event.
Place Markers	Select which Places to show on the map while navigating. Too many Places make the map crowded, so it is a good idea to show as few as possible. You have the following possibilities: <ul style="list-style-type: none"><li><input type="checkbox"/> Select the check box to show or hide the Place category.</li><li><input type="checkbox"/> Select the name of the Place category to open the list of its subcategories.</li></ul>

## Visual Guidance Settings

Button	Description
Show Signposts	Whenever adequate information is available, lane information similar to the real ones on road signs above the road is displayed at the top of the map. You can turn this feature on or off.
Show Junction View	If you are approaching a expressway exit or a complex intersection and the needed information exists, the map is replaced with a 3D view of the junction. You can turn this feature on or let the map be displayed for the whole route.
Show Tunnel View	When entering tunnels, the surface roads and buildings can cause problems visually. This feature shows a generic picture of a tunnel instead of the map. A top down overview of the tunnel and remaining distance are also displayed.

## Connected Settings – If Equipped

Button	Descriptions
Auto Download Weather	Set the weather forecast automatic download on/off.
Online Traffic	Set the traffic information automatic download on/off.

## **GLOSSARY**

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### **Active Route**

The currently navigated route. Whenever a destination is set, the route is active until you delete it or reach your destination.

### **Town Center**

The town center is not the geometric center of the town but an arbitrary point the map creators have chosen. In towns and villages, it is usually the most important intersection; in larger cities, it is one of the important intersections.

### **Color Scheme**

The navigation system has different color schemes for daytime and nighttime which can be selected as desired.

One daytime scheme and one nighttime scheme is always selected for the map and for the menus.

The navigation system uses them when it switches from day to night and back.

### **GPS Accuracy**

Several factors have impact on the deviation between your real position and the one given by the GPS device.

For example, signal delay in the ionosphere or reflecting objects near the GPS device have a different and

varying impact on how accurately the GPS device can calculate your position.

### **Map**

The navigation system works with digital maps which are not simply the computerized versions of traditional paper maps. Similarly to paper road maps, the 2D mode of digital maps show you streets, roads, and elevation by colors.

In 3D mode, you can see the altitude differences, for example valleys and mountains, elevated roads, and in selected cities 3D landmarks and 3D buildings are also displayed.

You can use digital maps interactively: you can zoom in and out (increase or decrease the scale), you can tilt them up and down, and rotate them left and right.

In GPS-supported navigation, digital maps facilitate route planning.

### **North-Up Map Orientation**

In North-up mode the map is rotated so its top always faces North. This is the orientation for example in Find on Map.

### **Road Safety Camera**

This function is not available in some countries and regions.

Special alert points for speed, red light or bus lane cameras. Different data

sources are available. You can configure the navigation system to warn you when you approach one of these cameras.

Detecting the location of Road Safety Cameras is prohibited in certain countries.

It is the sole responsibility of the driver to check whether this feature can be used during the trip.

The software is capable of showing and warning for more than just cameras. Various other types of proximity alert points like school zones and railway crossings are also available.

### **Route**

A sequence of maneuver (for example, turns and roundabouts) to reach the destination. The route contains one starting point and one or more destinations.

### **Track-Up Map Orientation**

In Track-up mode the map is rotated so its top always points in the current driving direction. This is the default orientation in 3D map view mode.

### **Vehicle Marker**

The current position is indicated by a blue arrow on the map. The direction the blue arrow is pointed indicates the current heading.

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