WEB EDITION

SENSUS INFOTAINMENT

WELCOME TO THE WORLD-WIDE FAMILY OF VOLVO OWNERS.

We trust that you will enjoy many years of safe driving in your Volvo, an automobile designed with your safety and comfort in mind. We encourage you to familiarize yourself with the equipment descriptions and operating instructions in this manual.

We also urge you and your passengers to wear seat belts at all times in this (or any other) vehicle. And, of course, please do not operate a vehicle if you may be affected by alcohol, medication or any impairment that could hinder your ability to drive.

Your Volvo is designed to meet all applicable federal safety and emission standards. If you have any questions regarding your vehicle, please contact your Volvo retailer or see the section "Contacting Volvo" in this manual's "Introduction" chapter for information on getting in touch with Volvo in the United States and Canada.

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01

INTRODUCTION

Introduction

This supplement complements your vehicle's owner's information.

If you are uncertain as to any of your vehicle's features or functions, consult your printed owner'smanual or the on-board owner's information. If you have any further questions, please contact a Volvo retailer or other representative of the Volvo Car Corporation.

All information, illustrations and specifications contained in this owner's information are based on the latest product information available at the time of publication. Volvo reserves the right to make model changes at any time, or to change specifications or design without notice and without incurring obligation.

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The owner's manual in mobile devices

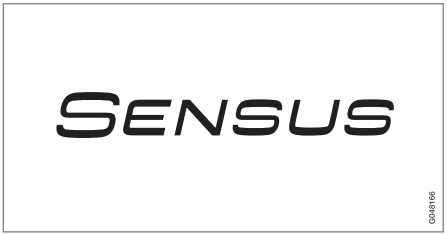
NOTE

The owner's manual mobile app can be downloaded at www.volvocars.com.

The mobile app also contains videos and searchable content, and provides easy navigation between the various articles.

Volvo Sensus

Volvo Sensus is the core of the contact interface with your vehicle. Sensus provides information, entertainment and offers access to functions that make owning and operating a Volvo easier.



Volvo Sensus is the operating system in your vehicle and it enables you to interact intuitively with the vehicle's various features and functions, including accessing the Internet, when it suits you.

Volvo Sensus uses the center console screen to display information and menus, and to offer a user interface that enables you to make personalized settings for e.g., vehicle, infotainment and climate system functions.

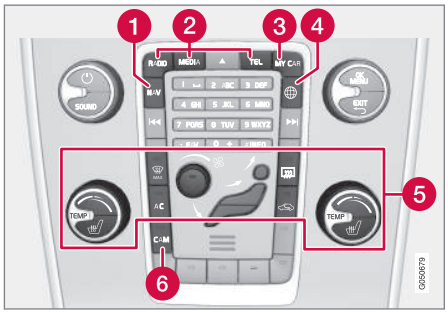
The buttons on the center console or the steering wheel keypad are used to activate/deactivate functions and change numerous settings.

Pressing the **MY CAR** button on the center console displays all of the settings related to

driving and operating the vehicle, such as City Safety, lock and alarm functions, automatic blower speed, setting the clock, etc.

Pressing the source buttons on the center console (**RADIO**, **MEDIA**, **TEL**, 🌐, **NAV*** and **CAM***, etc.) make it possible to select e.g., AM or FM radio, play a CD or DVD, use the Bluetooth® hands-free feature, the navigation system* or the park assist camera*.

See your on-board owner's manual or the separate printed supplements for detailed information about the functionality offered by Volvo Sensus.



Center console control panel

1. Volvo Navigation System (VNS)* – **NAV**: see the separate VNS manual for operating instructions.
2. Infotainment (**RADIO**, **MEDIA**, **TEL**)
3. Vehicle-related settings - **MY CAR**.
4. Internet connected vehicle.
5. Climate system.
6. Park assist camera - **CAM***.

Related information

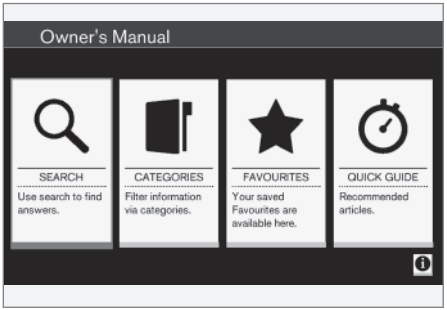
- My Car – introduction (p. 13)
- Internet connection (p. 72)

On-board owner's manual

The owner's manual can be displayed on the center console screen and you can carry out searches for the information that you require.

To open the owner's manual, press the **MY CAR** button on the center console, press **OK/MENU** and select **Owner's manual**.

For basic information, see "Infotainment - operating the system." The following sections also provide more detailed information.



The on-board owner's manual start page

There are four ways of finding information articles in the on-board owner's manual:

- **Searching**: search for an article.
- **Categories**: All of the articles are sorted by category.

* Option/accessory, for more information, see Introduction.

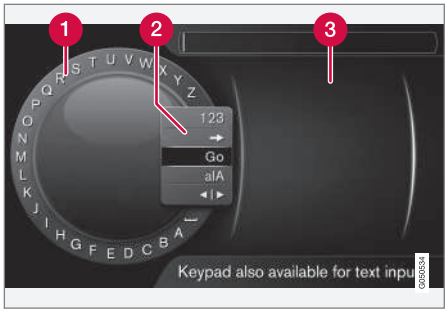
- **Favorites**: Quick access to frequently read articles.
- **Quick Guide**: A selection of articles covering commonly used functions.

Select the symbol in the lower right-hand corner for additional information about the on-board owner's manual.

NOTE

- The on-board owner's manual cannot be accessed while the vehicle is moving.
- Specifications regarding your vehicle are not found in the on-board information. This information is listed in the printed owner's manual.

Searching for information



Searching using the text wheel

1. List of characters
2. Switching between character entry modes (see the following table)
3. Surf history

Use the text wheel to enter a web address.

1. Turn **TUNE** to the desired letter and press **OK/MENU** to confirm. The number/letter keys on the center console can also be used.
2. Continue to the next letter, etc. The results of the search will be displayed in the phone book.
3. To switch from letter entry mode to the entry mode for numbers or special characters, or to go view surf history, turn **TUNE** to one of the selections (see the explanation in the following table) in the list for switching character entry mode (2) and press **OK/MENU**.

123/ABC	Toggle between letters and numbers by pressing **OK/MENU**.
=>	This leads to surf history. Turn **TUNE** to select a web address and press **OK/MENU** to go to the website.
Go	Go to the website by pressing **OK/MENU**.
a|A	Toggle between upper and lower case letters by pressing **OK/MENU**.
◀ | ▶	Switch from the text wheel to the **Address:** field. Use **TUNE** to move the cursor and erase characters by pressing **EXIT**. Press **OK/MENU** to return to the text wheel. The number/letter keys on the center console can also be used to edit the **Address:** field.

Press **EXIT** briefly to erase a single character. Press and hold **EXIT** to erase all characters.

Pressing a number key on the center console while the text wheel is displayed (see the previous illustration) will display a list of characters. Press the desired key repeatedly to enter the desired letter and continue to the next letter, etc.

To enter a number, press and hold the button.

Categories

The articles in the on-board owner's manual are divided into main categories and sub-categories. The same article may be listed in several applicable categories to help make searches easier.

Turn **TUNE** to navigate in the category structure and press **OK/MENU** to open a category (indicated by the symbol) or an article (indicated by the symbol). Press **EXIT** to return to the previous view.

Favorites

Articles that have been marked as favorites can be found here. For information about marking an article as a favorite, see "Navigating in an article" below.

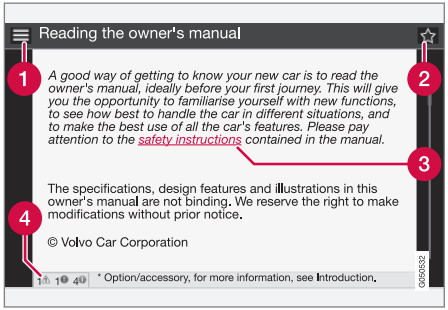
Turn **TUNE** to navigate in the list of favorites and press **OK/MENU** to open an article. Press **EXIT** to return to the previous view.

Quick Guide

This is a selection of articles that will help you become familiar with some of the vehicle's most common functions. These articles can also be found in their respective categories but are listed here for quick access.

Turn **TUNE** to navigate in the Quick Guide and press **OK/MENU** to open an article. Press **EXIT** to return to the previous view.

Navigating in an article



1. **Home**: Returns you to the owner's manual start page.
2. **Favorites**: Add/remove an article from the list of favorites. This can also be done by pressing the **FAV** button on the center console keypad.
3. **Highlighted link**: takes you to the linked article.
4. **Important information**: if the article contains warnings, cautions or notes, symbols for these types of information and the number of such texts in the article will be displayed here.

Turn **TUNE** to navigate among the links or scroll in an article. When you have scrolled to the beginning/end of an article, you can return to the start page or a favorite by scrolling one additional step up/down. Press **OK/MENU** to activate a selection or highlighted link. Press **EXIT** to return to the previous view.

Related information

- Information on the Internet (p. 11)

Change of ownership

When the vehicle changes owners, all personal settings should be reset to the factory defaults.

To reset, press the **MY CAR** button in the center console followed by **OK/MENU** and select **Settings** ➔ **Reset to factory settings**.

User data e.g., for apps, the web browser and for personal settings in menus such as the climate system and vehicle settings should be reset to factory defaults.

For vehicles equipped with the optional Volvo On Call with Sensus Connect (VOC), personal settings stored in the vehicle should be deleted, see Changing ownership of a vehicle with Volvo On Call.

Related information

- Volvo ID (p. 11)

Information on the Internet

Additional information regarding your vehicle can be found at www.volvocars.com.

In order to read a QR code, a QR reader is necessary, which is available as an app for a number of different cell phones and can be downloaded from the App Store or Google Play.

QR code

Volvo ID

This is your personal ID that can be used to access a number of services[1]

Creating a Volvo ID

To create a Volvo ID, provide your personal email address and then follow the instructions provided in the email that you will receive from Volvo. This can be done from:

- From an Internet-connected vehicle: Enter your email address in the app that requires a Volvo ID and follow the instructions provides or press the Internet connect (🌐) button on the center console and select **Apps**, **Settings** and follow the instructions provided.
- Volvo On Call (VOC*): download the latest version of the VOC app and create a Volvo ID on the start page.

[1] These services vary and may be subject to change. Consult your Volvo retailer.

02

MY CAR

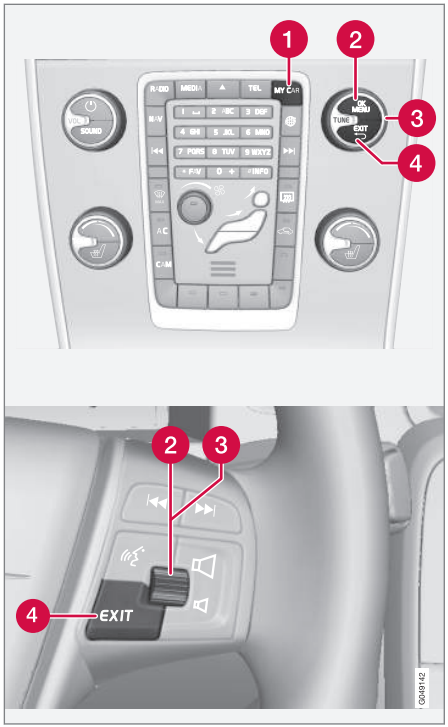
My Car – introduction

The MY CAR menu system provides access to menus for operating many of the vehicle's functions, such as setting the clock, door mirrors, lock and alarm settings, etc.

Some of the features or functions are standard; others are optional and vary according to model/market.

Operation

Use the buttons on the center console or the steering wheel keypad to navigate in the menus.



The center console control panel and the steering wheel keypad. The illustration is generic and the appearance/location of the buttons may vary.

1. **MY CAR**: opens the MY CAR menu system.
2. **OK/MENU**: Press the button on the center console or the thumb wheel on the steering wheel keypad to select a menu alternative or to store a selected function in the system's memory.
3. **TUNE**: Turn this control on the center console or the thumb wheel on the steering wheel keypad to navigate up/down in a menu.
4. **EXIT**

EXIT functions

Depending on which function the cursor is pointing to and the menu level, briefly pressing **EXIT** will result in:

- An in-coming phone call will be rejected
- The current function will be cancelled
- Characters entered will be erased
- The most recent selection will be cancelled
- Go back/up in the menu system

Pressing and holding **EXIT** takes you to the normal view for MY CAR. If you are already in normal view, this will take you to the main source menu.

MY CAR paths

MY CAR is a menu source where settings can be made for many of the vehicle's functions such as setting the clock, door mirror settings, locks, etc.

The current menu level (path) is shown at the top of the center console screen. The following is an example of how the paths to the menu system's functions are displayed:

Settings ➔ Vehicle settings ➔ Lock settings ➔ Doors unlock ➔ Driver door, then all.

The following is an example of how to search for a function and change a setting using the steering wheel keypad:

1. Press the **MY CAR** button on the center console.
2. Press the thumb wheel on the steering wheel keypad.
3. **Turn** the thumb wheel to scroll to e.g., **Settings** and then **press** the thumb wheel to open a list of sub-menus.
4. Scroll to the desired sub-menu, e.g., **Vehicle settings** and press the thumb wheel to open a new list of sub-menus.
5. Scroll to **Lock settings** and press the thumb wheel to open a new sub-menu.
6. Scroll to **Doors unlock** and press the thumb wheel to open a drop-down menu with settings that can be selected.
7. Turn the thumb wheel to scroll among the settings **All doors** and **Driver door, then all** and press the thumb wheel to select a setting.
8. Conclude by backing out of the menus one at a time by briefly pressing **EXIT** or by pressing and holding **EXIT**.

The procedure is the same using the center console controls **OK/MENU**, **EXIT** and **TUNE**.

Related information

- MY CAR menus (p. 14)

MY CAR menus

MY CAR is a group of menus where settings can be made for many of the vehicle's functions such as setting the clock, door mirror settings, locks, etc.

Example of a normal view in MY CAR

Press the **MY CAR** button on the center console to display the normal view for MY CAR. This view shows the status of some of the vehicle's driver support systems in the upper section of the screen along with the status for the Start/Stop* function in the screen's lower section.

Pressing **OK/MENU** gives you access to the **My Car** menus with the following alternatives:

- **My S60**[1]
- **Trip statistics**

[1] Differs according to model.

- Drive-E
- Tire pressure
- Settings
- Maintenance & repair
- Owner's manual

My S60[1]

My Car ➔ My S60[1]

The screen displays all of the driver support systems installed in the vehicle. This is where they can be activated/deactivated.

Trip statistics

My Car ➔ Trip statistics

This shows a bar graph with average fuel consumption.

Drive-E

My Car ➔ Drive-E

This section provides a description of Volvo's Drive-E concept. Choose among the following:

- Start/Stop

  Information about the Start/Stop function.
- ECO driving guide

  Provides tips on driving economically.

Tire pressure

My Car ➔ Tire pressure/Tire monitoring, depending on the version of this system installed in your vehicle.

General information about the tire pressure monitoring function in your vehicle.

Settings

My Car ➔ Settings

The structure of the menus is as follows:

Menu level 1
Menu level 2 Menu level 3 Menu level 4

These are the first four menu levels found under Settings. Some of these functions are standard; others are optional.

A box will be displayed in cases where a function can be activated/turned On or deactivated/turned Off:

On: the box is marked

Off: the box is empty

- Choose On/Off by pressing **OK/MENU**, exit by pressing **EXIT**.

Submenus found under the heading Settings

- Vehicle settings, see MY CAR vehicle settings (p. 16)
- Driver support system, see MY CAR driver support settings (p. 18)
- System options, see MY CAR system settings (p. 19)
- Voice control settings, see MY CAR voice control settings (p. 20)
- Climate settings, see MY CAR climate system settings (p. 20)
- Internet settings, see MY CAR Internet settings (p. 21)
- Volvo On Call, see the on-board Owner's Manual.
- FAV key options: store a commonly used function in MY CAR for the **FAV** button, see Favorites (p. 31)
- Information, see MY CAR information settings (p. 22)
- Reset to factory settings: reset all menus to their original factory settings.

Maintenance and repairs

My Car ➔ Maintenance & repair

This displays service and workshop information about the vehicle and any workshop appointments that may have been booked.

[1] Differs according to model.

Owner's manual

My Car ➔ Owner's manual

The screen will display the on-board owner's manual (p. 8).

MY CAR vehicle settings

The vehicle settings in the MY CAR menus control many of the vehicle functions such as car key memory, lock settings, etc.

Vehicle settings
Car key memory
On
Off
Lock settings
Automatic door locking
On
Off
Doors unlock
All doors
Driver door, then all
Keyless entry unlock
All doors unlock
Any door
Doors on same side
Both front doors
Audible confirmation
On
Off
Door lock confirmation light
On
Off
Unlock confirmation light
On
Off
Side mirror settings
Fold mirrors when locking
On
Off
Tilt left mirror on reverse gear
On
Off

Tilt right mirror on reverse gear
- On
- Off

Light settings

Interior light
- Floor lights
- Ambiance lights
- Ambiance colors

Approach light duration
- Off
- 30 sec
- 60 sec
- 90 sec

Home safe light duration
- Off
- 30 sec
- 60 sec
- 90 sec

Triple indicator
- On
- Off

Daytime running lights
- On
- Off

Active bending lights
- On
- Off

Auxiliary lights
- On
- Off

Active high beam
- On
- Off

Cornering lights
- On
- Off

Tire pressure

Calibrate tire pressure

Tire monitoring
- On
- Off

Steering force level
- Low
- Medium
- High

Speed in infotainment display
- On
- Off

Location service
- On
- Off

Reset vehicle settings

All **Vehicle settings** will be reset to the factory defaults.

MY CAR driver support settings

The driver support settings in the MY CAR menus control functions such as collision warning, driver alert, etc.

Driver support system

Collision warning

Collision warning
- On
- Off

Warning distance
- Short
- Normal
- Long

Warning sound
- On
- Off

Lane Departure Warning

Lane Departure Warning
- On
- Off

On at startup
- On
- Off

Increased sensitivity
- On
- Off

Lane Keeping Aid

Lane Keeping Aid
- On
- Off

Assistance mode
- Full function
- Steering assist only
- Vibration only

Road sign information

Road sign information
- On
- Off

Speed alert
- On
- Off

ESC OFF
- On
- Off

City Safety
- On
- Off

BLIS
- On
- Off

Distance alert
- On
- Off

Driver Alert
- On
- Off

MY CAR system settings

The system settings in the MY CAR menus control functions such as setting the clock, changing display languages, etc.

System options

Time settings

This is the setting for adjusting the clock.

24-hour clock

- On
- Off

Daylight savings time

- Auto
- On
- Off

Auto time

- On
- Off

Location

Language

Select that language to be used in the instrument panel and center console screen.

Language: Driver display

Select the language to be used in the instrument panel.

Distance and fuel units

- MPG(US)
- km/l
- l/100km

Temperature unit

- Celsius
- Fahrenheit

Select the temperature unit to be used for showing the ambient temperature and in the climate system.

Screen saver

- On
- Off

The screen will go black after several minutes of inactivity if this setting is selected.

The information on the screen will reappear if any screen-related buttons are pressed or controls are used.

Show help text

- On
- Off

Help texts for the current information on the screen will be displayed if this setting is selected.

Reset system options

All **System options** will be reset to their factory settings.

Related information

- MY CAR menus (p. 14)

MY CAR voice control settings

The voice control settings in the MY CAR menus control functions such as giving voice commands, the list of voice commands, etc.

Voice control settings	See
Tutorial	(p. 68)
Command list Global commands Navigation commands Radio commands Media commands Phone commands **Navigation commands** only apply if Volvo's navigation system* is installed.	(p. 70)
User setting Default Trained user	(p. 69)
Speaker adaptation	(p. 68)
Read out speed Fast Medium Slow	(p. 69)

Related information

- Voice control - introduction (p. 67)
- MY CAR menus (p. 14)

MY CAR climate system settings

The climate system settings in the MY CAR menus control functions such as air conditioning, recirculation, etc.

Climate settings	
Auto fan Normal High Low	
Recirculation timeout On Off	
Auto rear defrost On Off	
Auto driver seat heater On Off	
Auto steering wheel heater On Off	

* Option/accessory, for more information, see Introduction.

Interior air quality system On Off	
Reset climate settings Reset all **Climate settings** to their factory defaults.	

MY CAR Internet settings

The Internet settings in the MY CAR menus control functions such as Bluetooth® and Wi-Fi.

Internet settings	See
Connect through Car modem Bluetooth Wi-Fi None	(p. 72), (p. 74) and (p. 57)
Car modem Data usage Current network operator Data roaming Lock SIM card Access Point Name	(p. 74)
Bluetooth	(p. 57)
Wi-Fi	(p. 72)
Car Wi-Fi hotspot	(p. 74)

Car Wi-Fi hotspot On Off	
Name	
Password	

Related information

- MY CAR menus (p. 14)
- Internet connection (p. 72)

MY CAR information settings

The information settings in the MY CAR menus provide information about the number of keys and the VIN number.

Information
Number of keys
VIN number

03

INFOTAINMENT

Infotainment

The infotainment system consists of a radio, media player and has the capacity to communicate with a cell phone, which in some cases can be voice controlled. It is also possible to connect to the Internet to e.g., stream audio content via apps.

Information is presented on a 7-inch screen in the upper section of the center console and the system can be controlled using the steering wheel keypad, center console controls or in some cases, voice commands.

If the infotainment system is on when the ignition is switched off, it will be activated again when the ignition is put into mode **I** or higher and will continue in the same mode that was being used (e.g., radio). The driver's door also has to be closed on model with keyless drive*.

The infotainment system can be used for 15 minutes at a time without the remote key in the ignition slot by pressing the on/off button.

While the engine is being started, the infotainment system will be temporarily interrupted and will resume when the engine has started.

NOTE

To help avoid excessive battery drain, remove the remote key from the ignition slot if the infotainment system is used while the engine is switched off.

Gracenote®

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Dolby Digital, Dolby Pro Logic*

Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, MLP Lossless and the double-D symbol are trademarks of Dolby Laboratories.

Dirac Live

Dirac Live technology has been used in the development and tuning of the sound in order to ensure a world-class sound experience. Dirac Live and the D-symbol are registered trademarks of Dirac Research AB.

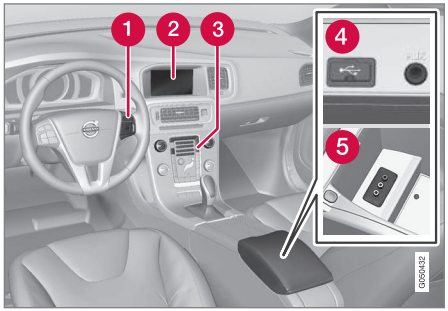
* Option/accessory, for more information, see Introduction.

Related information

- Infotainment - operating the system (p. 26)

Infotainment – overview

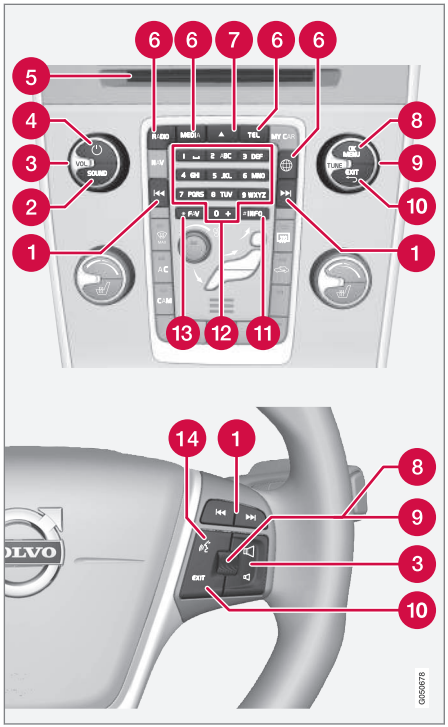
This is an overview of the main components in the infotainment system.



1. Steering wheel keypad.
2. Display. The display's layout and appearance may change according to the theme chosen for the instrument panel. Refer to the Owner's Manual supplement for more information.
3. Center console control panel.
4. AUX/USB sockets for external audio sources (e.g., iPod® or mp3 player).
5. A/V-AUX socket.

Infotainment - operating the system

The infotainment system can be operated from the center console and certain functions can also be operated from the steering wheel keypad or by using voice commands.



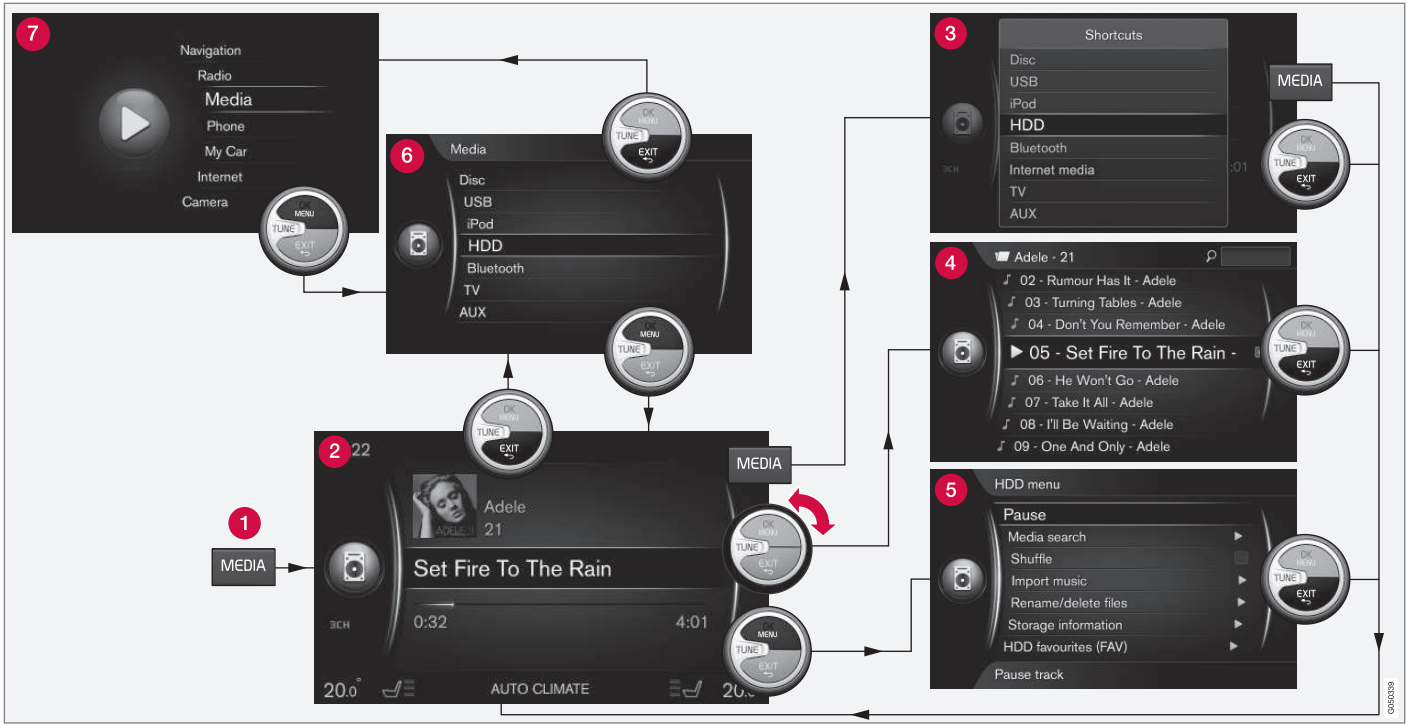
1. **Left/right arrow keys – short press** moves between preset radio stations, tracks on a disc or chapters on a DVD. **Press and hold** to search within tracks or to tune to the next/previous available radio station.
2. **SOUND** – press to access the menu for adjusting bass, treble, etc. For additional information, see general sound settings (p. 32).
3. **VOL** – turn to raise or lower the volume level.
4. ⏻ **ON/OFF/MUTE – short press -** switch the system **ON**. **Press and hold (until the screen turns black) -** switch the system **OFF**. A short press when the infotainment system is on will mute/unmute the sound. The entire infotainment system, including the navigation* and telephone functions, is switched on/off at the same time by using this button.
5. CD/DVD* slot.
6. **Mode buttons** – press to select a mode (e.g., **RADIO**, **MEDIA**, **TEL**, etc.) by pressing its button on the center console. The most recent **source** in the selected mode (e.g., **FM** in **RADIO** mode) will be displayed. From a mode, pressing its mode button will display a shortcut menu.
7. Eject a disc. An ejected disc that is not removed from the slot after approx. 12 seconds will be drawn back into the player.
8. **OK/MENU** – press the thumb wheel on the steering wheel keypad or this button

* Option/accessory, for more information, see Introduction.

on the center console to confirm a menu selection or accept an incoming phone call. From a mode's main view, pressing this button displays a menu for the selected source (e.g., **FM** in **RADIO** mode). Arrows at the right of the screen indicate submenus.

9. **TUNE** – turn the thumb wheel on the steering wheel keypad or this button on the center console to scroll among tracks/folders, radio stations, phone contacts or to navigate among the alternatives shown on the screen.
10. **EXIT** – **short press -** go upward in the menu system, cancel a current function, Interrupt or reject a phone call, or erase characters that have been entered on the screen. **Press and hold -** to go to the mode's main view. From a mode's main view, pressing and holding **EXIT** takes you to the infotainment system's main view, which enables you to access the same modes as by pressing the respective mode buttons on the center console (6).
11. **# INFO** – if more information is available than is currently displayed on the screen, press **# INFO** to display the remaining information.
12. Keypad for entering text/numbers, storing preset radio stations, etc.
13. *** FAV** – this button can be used to store a shortcut to a commonly used function, see Favorites (p. 31).
14. **Voice control** – press to activate voice commands.

Menu navigation



An example of menu navigation (the illustration is generic and the function shown may not be available in all markets)

1. **Mode button** – press to change modes or from within an active mode, to display its shortcut menu.
2. **Normal view** – a mode's normal view.
3. **Shortcut menu** – displays the mode's most common alternatives.
4. **Quick scroll menu** – menu displayed by turning **TUNE** to e.g., change tracks, radio stations, etc.
5. **Source menu** – the selected mode's functions and settings.
6. **Source selection menu**[1] – displays the sources that can be selected.
7. **Main mode menu** – displays the main modes. A mode can also be selected by pressing its button on the center console (1).

These views vary depending on the mode and source selected, the optional equipment in the vehicle, settings, etc.

Select a mode by pressing its button on the center console (1) (e.g., **RADIO**, **MEDIA**, etc.). To navigate in the mode's menus, use the **TUNE**, **OK/MENU**, **EXIT** buttons or the modes button (1).

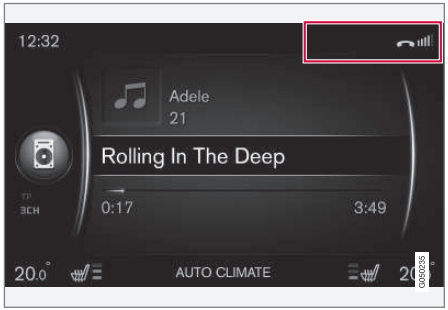
If a menu text is grayed-out, this means that it cannot currently be selected. This may be because the function is not installed in the vehicle, that the source is not currently connected or is connected but is empty.

For a list of the available functions, see Infotainment menu overview (p. 79).

1 Only in modes with several sources.

On-screen symbols

The following is an overview of the symbols that may be displayed in the screen's activity/status field.



Activity/status field

Active current functions and in certain cases, their status, are displayed in the activity/status field. Due to limited space, not all activity/status symbols will be displayed at all times.

Symbol	Explanation
	Connecting to the Internet via Bluetooth®.
	Connected to the Internet via Bluetooth®.
	No Internet connection via Bluetooth®.

Symbol	Explanation
	Connecting to the Internet via Wi-Fi.
	Connected to the Internet via Wi-Fi.
	No Internet connection via Wi-Fi.
R	Connected to the Internet via Wi-Fi via roaming (for connections in other countries).
3G	Connecting to the Internet via the integrated modem*A. The number of bars illuminated indicates the strength of the signal. The type of connection is indicated under the bars.
3G	Connected to the Internet via the integrated modem*A.
3G	No Internet connection via the integrated modem*A.
R 3G	The integrated modem*A is connected to the Internet via roaming (for connections in other countries).

Symbol	Explanation
	This symbol is displayed when the vehicle's position is being transmitted.
	Cell phone connected.
	Missed call(s).
	Call in progress.
	Unread text message.
	Microphone muted.
	Audio muted.
SOS	SOS service A active.
ON CALL	ON CALL service A active.

A Models with Volvo On Call only.

Related information

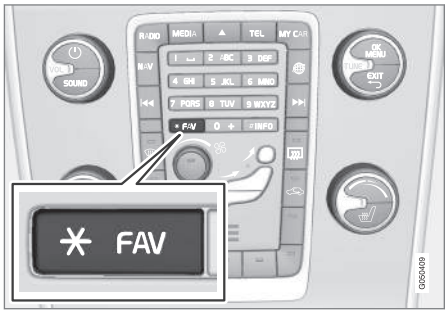
- Internet connection (p. 72)
- Bluetooth® hands-free system (p. 61)

* Option/accessory, for more information, see Introduction.

Favorites

*The *** FAV** button can be used to store frequently used functions (create a shortcut), making it possible to start the stored function in the main modes (radio, media, MY CAR and the web browser if the vehicle is connected to the Internet) by simply pressing *** FAV**.*

Storing a shortcut



1. Select a main mode (e.g., **RADIO**, **MEDIA**) by pressing its button on the center console.
2. Select a source (e.g., **AM**, **Bluetooth**).
3. In the source's normal view, press **OK/MENU** and select its FAV menu or press and hold the *** FAV** button until the menu is displayed.
4. From the menu, select the function to be stored in the *** FAV** button as a shortcut.
   > When the source (e.g., **AM**, **Bluetooth**) is active (selected), press *** FAV** briefly to start the stored function.

Related information

- Infotainment (p. 24)
- Radio (p. 34)
- Media Player (p. 47)
- Internet connection (p. 72)

Infotainment – audio settings

The audio system is precalibrated for optimal sound reproduction and can be adjusted to your preferences.

Optimal sound reproduction settings

The audio system is precalibrated for optimal sound reproduction using digital signal processing.

This calibration takes into account the speakers, amplifier, cabin acoustics, listener position, etc., for each combination of vehicle and infotainment system.

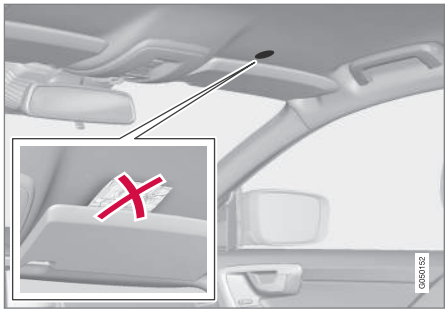
Dynamic calibration is also available, which monitors the setting of the volume control, radio reception and the vehicle's speed.

The sound settings described in this owner's information, such as **Bass**, **Treble** and **Equalizer**, are only intended to help the listener adapt sound reproduction to his/her personal preferences.

Active noise suppression*[2]

The vehicle can be equipped with an active noise suppression function that reduces engine noise in the passenger compartment by utilizing the infotainment system. The microphone(s) in the ceiling liner react to engine noise and the infotainment system produces signals (white noise) to counteract this.

2 Certain engines only.



Microphone in the ceiling liner. The number and position vary, depending on the vehicle

NOTE

Avoid covering or obstructing the noise suppression speakers because doing so could result in a rumbling noise.

Sound quality for streaming Internet audio

The amount of data being transmitted depends on the services or apps being used in the vehicle. For example, streaming audio means that large amounts of data are transferred, which calls for a good Internet connection and a strong signal. Sound quality can be adjusted in certain apps; choosing high quality increases download times or may result in interruptions in the audio stream. For this reason, it may be advisable to select a lower sound quality in order to help ensure a consistent listening experience.

Related information

- Internet connection (p. 72)

Infotainment – general sound settings

The following are general infotainment sound settings.

Press **SOUND** to access the menu for general sound settings such as **Bass**, **Treble**, etc. Turn **TUNE** to go to the various alternatives (e.g., **Treble**) and press **OK/MENU** to select.

Adjust the setting by turning **TUNE** and save the new setting by pressing **OK/MENU**. Please note that the volume can only be adjusted within a comfortable range. When a function is active (e.g., the optional navigation system), adjust its volume by turning **VOL**.

Continue turning **TUNE** to access the other sound alternatives:

- **Premium sound** – Infotainment - advanced audio settings (p. 33).
- **Bass**: Bass level.
- **Treble**: Treble level.
- **Fader**: Balance between the front and rear speakers.
- **Balance**: Balance between the right and left speakers.
- **Equalizer**: Sound levels for different frequencies.
- **Navigation volume**: Volume for navigation system* guidance.
- **Voice control volume**: Volume for the voice control system's responses.

* Option/accessory, for more information, see Introduction.

- **Ringtone volume**: Volume for a connected cell phone's ringing signal.
- **Park assist volume**: Volume for the park assist system*.
- **Cross Traffic Alert-vol.**: Volume for the CTA system*.
- **Volume compensation**: Speed-related volume compensation.
- **Reset audio settings**: Reset to factory settings.

Related information

- Infotainment - operating the system (p. 26)

Infotainment - advanced audio settings

Sound settings for the radio and other media sources can be adjusted to your preferences.

*To access the advanced sound settings, press **SOUND** to open the menu. Turn **TUNE**, go to **Premium sound** and press **OK/MENU**.*

Sound stage

Sound reproduction can be optimized for different sections of the passenger compartment. The sound stage can be set for the **Driver seat**, the **Rear seats** or the **Whole car**.

1. Turn **TUNE** to go to **Sound stage** and press **OK/MENU**.
2. Select a profile by turning **TUNE** and confirm by pressing **OK/MENU**.

Surround

When switched on, the system will automatically select settings for the best sound quality, which is normally DPL II and DOLBY PLII will appear on the screen. If the recording was made using Dolby Digital technology, playback will be provided with this setting and DOLBY DIGITAL will appear on the screen. If Surround is switched off, audio will be provided using 3 channel stereo.

1. Turn **TUNE** to go to **Surround** and press **OK/MENU**.
2. Surround can be switched on or off by pressing **OK/MENU**

The Surround level can be adjusted separately when the function is on.

1. Turn **TUNE** to go to the level setting and confirm by pressing **OK/MENU**.
2. Select a Surround level by turning **TUNE** and confirm by pressing **OK/MENU**.

Subwoofer

The subwoofer's sound level can be adjusted separately.

1. Turn **TUNE** to go to **Subwoofer** and press **OK/MENU**.
2. Select a sound level by turning **TUNE** and confirm by pressing **OK/MENU**.

Center speaker

The center speaker's sound level can be adjusted separately. If Surround is on, **DPL II center level** will be selected; otherwise **3 channel center level** is selected.

1. Turn **TUNE** to go to **Center** and press **OK/MENU**.
2. Select a sound level by turning **TUNE** and confirm by pressing **OK/MENU**.

Related information

- Infotainment - operating the system (p. 26)
- External audio source volume (p. 55)

Adjusting the equalizer

Adjust the equalizer and adapt the sound level separately for each radio waveband.

1. Press **SOUND** to access the sound settings. Turn **TUNE** to select **Equalizer** and press **OK/MENU**.
2. Select the waveband by turning **TUNE** and confirm by pressing **OK/MENU**.
3. Make the settings by turning **TUNE** and confirm by pressing **OK/MENU** or cancel by pressing **EXIT**. Do the same for the other wavebands.
4. When the settings have been made, press **EXIT** to confirm and return to the normal view.

Related information

- Infotainment - operating the system (p. 26)

Automatic volume control

The infotainment system compensates for disrupting noises in the passenger compartment.

The system increases the volume to compensate for the speed of the vehicle. Sound level compensation can be set at **Low**, **Medium**, **High** or **Off**.

1. Press **SOUND** to open the sound settings menu. Turn **TUNE** to go to **Volume compensation** and press **OK/MENU**.
2. Select a level by turning **TUNE** and confirm by pressing **OK/MENU**.

Related information

- Infotainment - operating the system (p. 26)

Radio

Your vehicle's radio offers AM, FM and SiriusXM ™ satellite radio.*

If the vehicle is connected to the Internet, it may also be possible to listen to web radio, see Applications (p. 76).

Radio controls on the center console

Shortcuts to certain functions can be stored in the **FAV** button. A shortcut can then be activated by pressing the **FAV** button, see Favorites (p. 31).

AM/FM radio

- Radio station search (p. 35)
- Preset radio stations (p. 36)

SiriusXM™ satellite radio*

- Preset radio stations (p. 36)
- SiriusXM™ satellite radio* (p. 41)

* Option/accessory, for more information, see Introduction.

Web radio

- Applications (p. 76)

Related information

- AM radio menus (p. 80)
- FM radio menus (p. 80)
- Internet connection (p. 72)

Radio station search

The radio automatically compiles a list of stations of the strongest stations that it is currently receiving.

An automatic station search utilizes the compiled list of stations. It is also possible to perform a manual station search.

You can set the default type of station search. To do so:

1. In FM mode's normal view, press **OK/MENU** and select **Tune station by**.
2. Turn **TUNE** to **Station list** or **Manual tuning** and select by pressing **OK/MENU**.

Automatic station search

The radio automatically compiles a station list that is used by the automatic station search function.

If the automatic station search function is activated, it is possible to search from the normal view and in the list of stations.

Station searches in normal view

1. In FM mode, **press** ⏮ / ⏭ **briefly** on the center console or the steering wheel keypad.
   > The radio will change to the next/previously stored station.
2. In FM mode, **Press and hold** ⏮ / ⏭ on the center console or the steering wheel keypad.
   > The radio will switch to the next/previous available station.

Searching in the station list

1. In FM mode, turn **TUNE**: **FM station list** will be displayed.
2. Turn **TUNE** to a station and select it by pressing **OK/MENU**.

Switch between automatic and manual radio station searching in the station list by pressing **INFO** on the center console.

List of radio stations

The radio automatically compiles a list of the strongest stations that it is currently receiving. This enables you to listen to a station in an area where you are not familiar with the stations or their frequencies.

The automatic station search utilizes the compiled list of stations.

NOTE

This list will only display the frequencies of the stations currently being received, **not** a complete list of all radio frequencies on the currently selected waveband.

Manual radio station search

The radio automatically compiles a list of radio stations but it is also possible to search for stations manually.

If manual searching is set, these searches can be made from the normal view and in a list of radio frequencies.

Searching for stations from normal view

1. In FM mode, **press** the arrow keys ⏮ / ⏭ **briefly** in the center console or the steering wheel keypad.
   > The radio will switch to the previous/next **stored** station.
2. In FM mode, **press and hold** the arrow keys ⏮ / ⏭ in the center console or the steering wheel keypad.
   > The radio will switch to the previous/next **available** station.

Searching for stations in a list of frequencies

1. In FM mode, turn **TUNE**: **FM tuning** will be displayed.
2. Turn **TUNE** to a frequency and select it by pressing **OK/MENU**.

Toggle between manual and automatic station searches in the list of frequencies by pressing the **INFO** button in the center console.

Preset radio stations

Radio stations that you listen to frequently can be stored as presets and can be tuned by pressing the appropriate number key on the center console.

Preset (number) keys

AM/FM radio

Ten preset stations can be stored for each waveband (**AM**/**FM**, etc.)

Stored preset stations are selected using the number keys on the center console.

1. Tune to a station, see Radio station search (p. 35).
2. Press and hold one of the number keys to store the station on that key.

A list of preset stations can be displayed.

– In AM/FM's normal view, press **OK/MENU** and select **Show** ➔ **Presets** to activate (or deactivate) this function.

Related information

- Infotainment - operating the system (p. 26)

HD Radio™ reception (U.S. models only)

HD radio is a brand name registered by the Ibiquity digital corporation[3]. They are the developer of a broadcasting technology called IBOC or In Band On Channel, which refers to the method of transmitting a digital radio broadcast signal centered on the same frequency as the AM or FM station's present frequency.

Introduction

Display when the radio is receiving an HD Radio broadcast

NOTE

HD radio volume may fade in and out at times due to coverage limitations.

HD radio is a brand name registered by the Ibiquity digital corporation[4]. They are the developer of a broadcasting technology called IBOC or In Band On Channel, which refers to the method of transmitting a digital radio broadcast signal centered on the same frequency as the AM or FM station's present frequency.

The IBOC system is referred to as a "hybrid" since it is both analogue and digital. During hybrid operation, receivers still continue to receive the analogue (non-digital) signal. HD radio receivers incorporate both modes of reception, where the receiver will automatically switch to the analogue signal if the digital signal cannot be decoded or is lost by the receiver.

When you have tuned to an HD Radio station, the HD symbol will appear in the infotainment system display. The symbol will be displayed in different colors:

3 HD Radio (TM) technology is manufactured under license from iBiquity Digital Corp. U.S. and Foreign Patents. HD Radio(TM) and the HD and HD Radio logos are proprietary trademarks of iBiquity Digital Corp.

4 HD Radio (TM) technology is manufactured under license from iBiquity Digital Corp. U.S. and Foreign Patents. HD Radio(TM) and the HD and HD Radio logos are proprietary trademarks of iBiquity Digital Corp.

- **Grayed-out symbol**: HD Radio is in standby mode
- **White symbol**: the radio is actively receiving an HD broadcast
- **Orange symbol**: the radio is receiving an HD broadcast with digital sound

More information about HD radio and IBOC can be found on Ibiquity's website, www.hdradio.com and www.ibiquity.com.

Benefits of digital broadcasting

- Better sound (FM sounds near CD quality and AM as analogue FM).
- Some FM frequencies offer a greater number of listening choices through “multicasting” (consisting of a frequency's main channel and any sub-channels that may also be available on that particular frequency. See also the section "Sub-channels" below).
- When receiving a digital signal there is no multipath disturbance or hisses/pops/crackling due to outside influences.

How HD broadcasting works

HD Radio works similarly to conventional radio and broadcasts of this type are available in many areas of the United States. However, there are a few key differences:

- Instead of transmitting one analogue signal, stations send out a bundled signal – both analogue and digital.
- An HD radio receiver can receive both digital and analogue broadcasts. Depending on the terrain and location of the vehicle (which will influence the signal strength), the receiver will determine which signal to receive.

Benefits of digital broadcasting

- Better sound (FM sounds near CD quality and AM as analogue FM).
- Some FM frequencies offer a greater number of listening choices through “multicasting” (consisting of a frequency's main channel and any sub-channels that may also be available on that particular frequency. See also the section "Sub-channels" below).
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Depending on the terrain and location of the vehicle (which will influence the signal strength), the receiver will determine which signal to receive.

Related information

- HD Radio™ - sub-channels (p. 39)
- HD Radio™ - limitations (p. 40)
- HD Radio™ - switching on and off (p. 39)
- Radio (p. 34)

HD Radio™ - switching on and off

*The factory setting for HD radio is **off**.*

Switching HD on or off

If HD radio is switched on when driving through areas with weak HD signals (fringe areas), you may experience that the radio repeatedly switches between analogue/digital and digital/analogue reception. If this happens, it may be desirable to switch HD off.

To do so:

1. Be sure the infotainment system is switched on and in one of the AM or FM modes.
2. Press **OK/MENU** in the center console control panel.
3. Turn **TUNE** and move the marker to **HD Radio**.
4. Press **OK/MENU** to turn HD off (the X will disappear from the box on the display screen).

This will disable the radio's capability to receive digital broadcasts but it will continue to function as a conventional (analogue) AM/FM receiver. Please note that when HD is switched off, it will not be possible to tune to sub-channels (see the following section for a more detailed explanation of sub-channels).

Repeat steps 2-4 above to reactivate HD (an X will appear in the box on the display screen). Please note that this will only switch HD on or off for the selected waveband (AM, FM1, etc.).

Related information

- HD Radio™ reception (U.S. models only) (p. 37)
- Radio station search (p. 35)

HD Radio™ - sub-channels

In many cases, a main HD Radio station (FM wavebands only) will also have sub-channels offering additional types of programming or music.

Sub-channels

Example of an HD Radio station with sub-channels

If any sub-channels are available, the “-” symbol will be displayed to the left of the frequency number and a number will be displayed to the right of the frequency number indicating that the currently tuned frequency has at least one sub-channel.

Selecting sub-channels

To listen to a station's sub-channel(s), press and hold the right arrow key on the center console or on the steering wheel keypad for approximately 1 second. To go back to the main channel, press and hold the left arrow key on the center console or on the steering wheel keypad for approximately 1 second. To go to subchannel 2 (if available), press and hold the right arrow key on the center console or on the steering wheel keypad for approximately 1 second.

If you are currently tuned to a frequency's main channel, pressing and holding the left arrow key for approximately 1 second will tune to the next lower radio frequency.

NOTE

- When the radio has gone into HD mode, it may take several seconds before the ">" symbol (if the current frequency has any sub-channels) is displayed to the left of the frequency. Pressing and holding the arrow keys for approximately 1 second before the main-/sub-channel icon is displayed will cause the radio to tune to the next available radio station, not to the current station's sub-channels.
- When you are no longer in broadcasting range of the currently tuned **sub-channel**, **No reception** will be displayed. The radio will then be muted and it will be necessary to tune to or search for a new radio station.

Sub-channels can also be stored as presets, see Preset radio stations (p. 36).

If you press a sub-channel's preset button, it may take up to **6 seconds** before the channel becomes audible. If you press this button while you are out of digital range of the transmitter, **No reception** will be displayed.

HD Radio™ - limitations

Certain factors may limit HD radio reception.

Limitations

- **Main channel vs. sub-channels (FM only)**: The main channel is the only channel that can receive in hybrid mode (both digital and analogue). If a frequency has sub-channels, they are broadcast in digital mode only. The main FM channel will be displayed as, for example, 93.9 WNYC (Volvo uses the symbol ">" to indicate there are sub-channels available) The sub-FM channels will be displayed as 93.9 – 2 WNYC, 93.9 - 3 WNYC, etc.
- **Reception coverage area**: Due to current IBOC transmitter power limitations, the reception coverage area in digital mode is somewhat more limited than the station's analogue coverage area. Please be aware that as with any radio broadcast technology, terrain, time of day, foliage level and building location can have positive or negative effects on radio reception.
- **Analogue to digital/digital to analogue blending**: Analogue to digital blending will occur as the signal strength reaches a preset threshold in the receiver. This will be noticeable in fringe areas (areas with weak reception) and is normal.

NOTE

There may be a noticeable difference in sound quality when a change from analogue to digital or digital to analogue occurs, such as:

- Volume increase or decrease
- Equalizer settings, i.e., Bass/ Mid-range/Treble cut or boost
- Time alignment (Digital program material in extreme cases can be as much as 8 seconds behind the analogue). This will noticeable as a "stuttering" effect.

The above items are dependant on the broadcaster's equipment settings and do not indicate a fault in the vehicle's radio receiver or antenna systems.

Related information

- HD Radio™reception (U.S. models only) (p. 37)

SiriusXM™ satellite radio*

The SiriusXM ™ satellite system consists of a number of high elevation satellites in geosynchronous orbit.

Listening to satellite radio

The digital signals from the satellites are line-of-sight, which means that physical obstructions such as bridges, tunnels, etc, may temporarily interfere with signal reception.

Avoid any obstructions, such as metallic objects transported on roof racks or in a ski box, or other antennas that may impede signals from the SiriusXM™ satellites.

Selecting SiriusXM™ radio mode

1. With the infotainment system switched on, press **RADIO**.
2. Turn **TUNE** or the thumb wheel on the steering wheel keypad to scroll to **Sirius** and press **OK/MENU** or the thumb wheel on the steering wheel keypad.

Activating SiriusXM™ radio

1. Tune to a satellite channel that has no audio, which means that the channel is unsubscribed and the text **Subscription update needed** is displayed (see also "Selecting a channel").
2. Call SiriusXM™ at 1-888-539-7474.
3. If you tune to an unsubscribed channel, the SiriusXM™ ID will be displayed (see "SiriusXM™ ID" below for an alternative method of displaying the ID).
4. **Updating subscription** will be displayed while the subscription is being updated, after which the display will return to the normal view.

Traffic information

This feature interrupts regular programming to provide you with information about traffic jams, accidents, etc.

To activate:

1. With Sirius activated, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to display the Sirius menu.

2. Scroll to **Traffic announcement** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to open a list where you can switch this feature on or off, or select an area from which you would like to receive traffic information.
   > If you have activated the function, a curved arrow symbol will appear under the Sirius symbol on the left side of the screen - see the following illustration. You will then receive traffic information **from the traffic channel** in the area that you have selected (i.e., the radio will switch from the current channel to the traffic channel), regardless of which mode (**RADIO**, **MEDIA**, etc.) that you are currently using.

3. Press **EXIT** to leave this list.

If the current radio programming is interrupted by a traffic announcement:

- Press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console. The pop-up window on the screen will close but the traffic announcement will continue.
- Press **EXIT** to close the pop-up window and reject the traffic announcement. The radio will return to the previous radio broadcast.

Traffic channel toggling

If the radio program that you are listening to is interrupted too often by traffic information, do as follows:

1. Save the channel that you are currently listening to (or the channels that you frequently listen to) as a preset (p. 44).
2. Activate the traffic function if you have not already done so (see the information above)
3. The first time your current channel is interrupted by traffic information, accept by pressing the thumb wheel or **OK/MENU**.
   > The radio will switch automatically to the traffic channel in the area that you have selected.
4. Save the traffic channel as a preset.
5. Toggle at any time between the channels ("your" channel and the traffic channel) using the keys used to store the presets on the center console.

SiriusXM™ ID

The SiriusXM™ ID (sometimes referred to as the Electronic Serial Number or ESN) is required when contacting the SiriusXM™ Call Center. It is used to activate your account and when making any account transactions.

To display the ID

1. With Sirius activated, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to display the Sirius menu.
2. Scroll to **Sirius ID** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console.

Sirius menus

From the main Sirius screen, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to open the Sirius menu screen. The following alternatives are available:

Browse categories

See SiriusXM™ satellite radio* - selecting categories/channels(p. 44).

* Option/accessory, for more information, see Introduction.

Show

Scroll to **Show** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to open a drop-down menu offering the following selections:

- **Radio text**: this displays information describing the channel that you are currently listening to.
- **Presets**: this displays a list of preset channels and the numbers of the keys on the center console under which they have been stored. Press the respective keys to tune to the stored channels.
- **None**: No text will be displayed.

Scroll to your choice, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to select.

NOTE

Pressing the **FAV** button on the center console enables you to toggle between the selections above (see also the section **FAV key functions** for details.)

Channel list information

Scroll to **Channel list information** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to open a drop-down menu offering the following selections:

- **Channel name**: the channel list will display the name of the current channel.
- **Artist**: the channel list will display the name of the artist that you are currently listening to.
- **Title**: the channel list will display the name of the track that you are currently listening to.

Scroll to your choice, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to select.

The information that you have selected will also be displayed on the screen.

NOTE

Pressing the **INFO** button on the center console while the channel list is displayed enables you to toggle between the selections above.

Sirius ID

See the section "SiriusXM™ ID" above for detailed information.

FAV key options

Scroll to **FAV key options** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to open a pop-up menu offering the selections:

- **Toggle radio text or Presets**: press FAV to toggle between radio text and a list of preset channels.
- **No function**

Scroll to your choice, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to select and press **EXIT.**

Related information

- SiriusXM™ satellite radio* - selecting categories/channels (p. 44)

SiriusXM™ satellite radio* - selecting categories/channels

Channel categories are lists of stations offering similar types of programming.

Selecting a channel category

To select a channel category:

1. From the main Sirius screen, press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to display the Sirius menu.
2. If necessary, scroll to **Browse categories** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console.
3. Scroll to the category of your choice and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console.
   > The channels in the selected category are displayed.

Selecting a channel

From the selected category:

1. Turn the thumb wheel on the steering wheel keypad or **TUNE** on the center console to scroll through the category to the channel of your choice.
2. Press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to select and listen to the channel.

Channel presets

Sirius channels can be stored as presets on the number keys on the center console for easy access. This can be done in two ways:

Method 1: Tune to a channel

1. Tune to a channel as described in the previous sections.
2. Press and hold a number key for several seconds to store the channel.
   > When listening to Sirius satellite radio, pressing the selected number key will tune to the channel stored as a preset on that key.

Method 2: Directly from the channel list

1. Turn the thumb wheel on the steering wheel keypad or **TUNE** on the center console to scroll through the category to the channel of your choice.
2. Press and hold a number key for several seconds to store the channel.

If **Toggle radio text or presets** has been selected in the **FAV** key options, press **FAV** on the center console to display the favorites list. This will show the channels that have been stored on the various number keys.

Direct channel entry

The SiriusXM™ satellite channels are in numerical order throughout all of the categories. To access a channel directly:

1. Turn the thumb wheel on the steering wheel keypad or **TUNE** to access the channel list.
2. Use the keypad buttons to enter the channel's number (or scroll to the channel).
3. Press **OK/MENU**. The radio will tune to this channel, even if it belongs to a category other than the currently selected one.

Related information

- SiriusXM™ satellite radio* (p. 41)

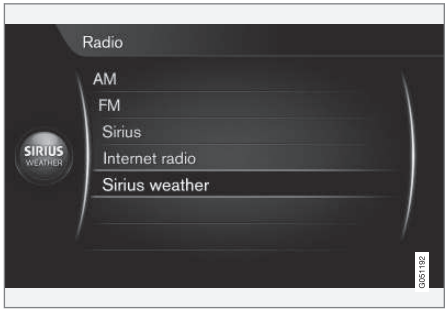
* Option/accessory, for more information, see Introduction.

SiriusXM™ satellite radio* - weather

Sirius Weather is a feature that provides information about the weather forecast in the area of your choice, along your current route, at a ski resort, etc.

This feature is only available in vehicles equipped with the optional Volvo navigation system.

Using Sirius weather



Radio mode's main screen

To open this feature, turn the thumb wheel on the steering wheel keypad or **TUNE** on the center console to scroll to **Sirius weather** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console. If this feature has been used before, it will open using your previously chosen settings (e.g., forecast location, today, etc.).

If your subscription has not been activated, you will be prompted on-screen to call Sirius, see also SiriusXM™ satellite radio* (p. 41).

Weather forecast information

Weather forecasts can be selected for various periods of time or for a ski area. Scroll to **Forecast** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console. The following choices are available:

- **Current**
- **Today**
- **5-day**
- **Ski info**

Scroll to your choice and and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to confirm.

NOTE

- If the ignition has been switched off for more than one hour, it may take several minutes to load weather forecast information when the ignition is switched on again, depending on the strength of the signal from the satellite in the vehicle's current location.
- If no weather data is available for the chosen location, **No weather data available** will be displayed.
- If **Device error** is displayed, weather information is not available and the menu will be grayed out. Contact a trained and qualified Volvo service technician for assistance.

Selecting a location or area

From the main Sirius weather screen, scroll to **Select area** and press **OK/MENU** or from any normal Sirius weather screen view, press **OK/MENU** to open a menu where you can select an area. The following alternatives will be displayed:

- **Current location**
- **Near destination**[5]
- **Select on map**
- **Search winter sport area**

5 Only available if a route has been set in the navigation system.

Scroll to the alternative of your choice and press **OK/MENU**.

Map view

Selecting this alternative opens a map showing your route. Turn the thumb wheel on the steering wheel keypad or **TUNE** on the center console to zoom in or out. See the separate navigation system manual for detailed information about selecting locations on the map.

With the map displayed on the screen, press the thumb wheel or **OK/MENU** to open an additional menu displaying:

- **Storm information**
- **Show on map**
- **Legend**
- **Time stamp**

Pressing **OK/MENU** from any of the selections above opens sub-menus with various alternatives.

NOTE

In order to obtain storm information, move the cursor (see Internet map – scroll menu (p. 94)) to a point on the map where a **Storm** icon is displayed and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console. See also the information about weather icons in the menu selection **Legend.**

Select winter sport area[6]

Press **OK/MENU** to open a list of ski areas. Scroll to the area of your choice and press **OK/MENU**. Scroll to an area and press **OK/MENU** again to open a menu of more local ski areas.

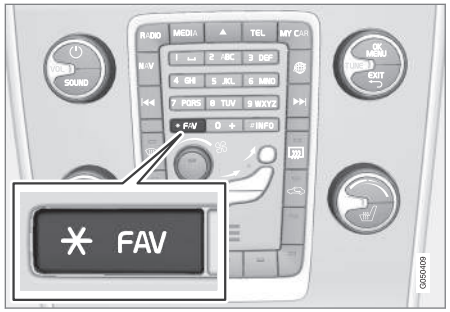
Presets

When a location and type of forecast have been selected, this information can be stored as a preset. Up to 10 presets can be stored. Scroll to **Save as preset** and press **OK/MENU** to add the location to the list.

If the preset list is full and you would like to add a new one, you will be prompted to removed one of the existing presets before the new one can be added.

Favorites

The *** FAV** button can be used to create a shortcut. To do so from the Sirius weather normal view:



Location of the FAV button

1. Scroll to **FAV key options** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console.
2. Scroll to: **No function**, **Toggle forecast** or **Toggle presets** and press the thumb wheel on the steering wheel keypad or **OK/MENU** on the center console to select.
3. Press **EXIT** to leave the menu.

- If you have chosen **Toggle forecast**, pressing the *** FAV** button repeatedly will change the weather forecast displayed.
- If you have chosen **Toggle presets** pressing the *** FAV** button repeatedly will display any preset areas that have been stored.

6 This is only available if you have requested a weather forecast for a ski area.

Radio text

Some FM or SiriusXM ™ satellite radio stations transmit information about program content, artists, etc., which can be shown on the display.*

– To display this information, in FM/SiriusXM™ normal view, press **OK/MENU** and select **Show** to activate (or deactivate) this function.

Media Player

The media player can play audio and video files from CDs/DVDs and external devices connected to the AUX/USB sockets. Audio files can also be streamed from Bluetooth®-enabled devices. Certain media players can also communicate with cell phones via Bluetooth®.

Connecting to the Internet may also make it possible to listen to web radio, audio books and to use music services, see Applications (p. 76).

Media player controls

For more information about listening to music and navigating in the menus, see Infotainment - operating the system (p. 26).

Certain functions can be stored in the **FAV** button. A stored function can then be started easily by pressing **FAV**, see Favorites (p. 31).

Gracenote MusicID®

Gracenote MusicID® is the industry standard for music recognition. This technology is used to identify and provide cover art and music information for CDs, digital music files on media players and Internet music services.

Related information

- Infotainment (p. 24)
- Cell phone voice control (p. 70)
- Media player – compatible file formats (p. 52)

CD/DVD

The media player can play commercially purchased discs as well as ones that you have burned yourself.

The media player supports and can play the following types of discs and files:

- Purchased CDs/DVDs (CD/DVD Audio).
- Purchased DVDs (DVD Video).
- Home-burned CDs/DVDs containing audio files.

For more information about compatible file formats, see Media player – compatible file formats (p. 52).

In order to play, a disc may not contain more than 5,000 files (including playlists).

NOTE

The media player may not be able to read all copyrighted or home-burned audio files.

The **FAV** button can be used to store frequently used functions. The stored function can then be started by pressing **FAV**, see Favorites (p. 31).

Playing an audio CD/DVD and navigating menus

From the disc´s normal view, press **OK/MENU** and turn **TUNE** to display the disc's menu structure. Navigate through this structure by turning **TUNE**.

Play a track by pressing **OK/MENU**.

Playing an home-burned CD/DVD and navigating menus

If a disc with audio/video files is inserted, its folder structure will be read by the system. It may take several seconds until the disc begins playing, depending on its quality and the amount of information it contains.

From the disc´s normal view, press **OK/MENU** and turn **TUNE** to access the disc's folder structure or to search among categories. Navigate in this structure by turning **TUNE** and select a folder by pressing **OK/MENU**. Leave the structure by pressing **EXIT**.

Play a file by pressing **OK/MENU**.

When the file is finished, the next one will begin playing. When all of the files in a folder have been played, the media player will automatically select another folder.

Playing a DVD video and navigating menus

For information about playing video DVDs, see Playing and navigating in DVDs (p. 50).

Media searches

Searches can be performed on all of your devices (USB, CD, etc.). For more information about the search functions.

Related information

- Infotainment - operating the system (p. 26)
- Fast forward/reverse (p. 49)
- Shuffle (p. 49)
- Audio CD/DVD menus (p. 81)
- Video DVD menus (p. 81)

Fast forward/reverse

The fast forward/reverse feature can be used for audio/video files[7].

Press and hold the ⏮ / ⏭ buttons to fast forward or reverse.

This is done at one speed for audio files but several speeds can be chosen for video files.

Press the ⏮ / ⏭ buttons repeatedly to increase the speed; release to return to normal viewing speed.

Related information

- Infotainment - operating the system (p. 26)

Shuffle

This function plays the tracks/audio files in random order (shuffle).[8].

To listen to tracks in random order for the selected source:

1. In the selected source's normal view, press **OK/MENU**.
2. Turn **TUNE** to **Shuffle**.
3. Press **OK/MENU** to activate or deactivate the function.

Related information

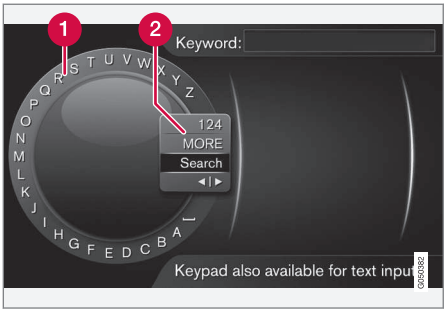
- Infotainment - operating the system (p. 26)
- Media Bluetooth® (p. 55)

Media Search

You can search for music in your connected devices. The search includes USB and discs.

To start a search, press **OK/MENU** from the source's normal view and select **Media search**.

Search functions



Search using the text wheel

1. Character list
2. Switch between character entry modes (see the following table)

The text wheel can be used to enter text. To use it:

[7] CD/DVD, USB and iPod® only.
[8] Not video DVDs. For external devices, shuffle is available for USB and iPod®. It is not supported by all cell phones.

1. Turn **TUNE** to the desired letter and press **OK/MENU** to confirm. The number/letter keys on the center console can also be used.

   To switch from letter entry mode to the entry mode for numbers or special characters, or to go to the list of results, turn **TUNE** to one of the selections (see the explanation in the following table) in the list for switching character entry mode (2) and press **OK/MENU**.
2. Continue entering the remaining characters in the same way.
3. When you have finished entering the search criteria, select **Search**.
   > The search will be conducted. The results will be displayed and grouped in the following categories: artist, album track, year and composer.
4. Turn **TUNE** to a category and press **OK/MENU**.
5. Turn **TUNE** to select a device and press **OK/MENU** to begin playback.

123/ABC	Toggle between letters and numbers by pressing **OK/MENU**.
MORE	Switch to special characters by pressing **OK/MENU**.
Search	Start the media search.
◀ | ▶	Switch from the text wheel to the **Keyword:** field. Move the cursor by turning **TUNE**. Erase any characters by pressing **EXIT**. Press **OK/MENU** to return to the text wheel. Please note that the letter/number keys on the center console can be used to make changes in the **Keyword:** field.

Press **EXIT** briefly to erase a single character. Press and hold **EXIT** to erase all of the characters that have been entered.

If a number key on the center console is pressed while the text wheel is displayed (see the previous illustration), a list of characters will be displayed. Press repeatedly on the key to access the desired letter. Continue with the next letter, etc. When a key has been pressed, this will be confirmed when the next key is pressed.

Playing and navigating in DVDs

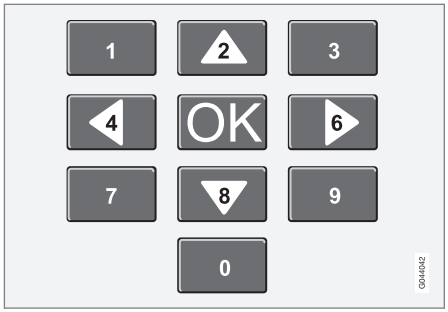
While a video DVD is playing, a disc menu may appear on the screen that enables you to make additional settings such as selecting subtitles, language and choice of scenes.

For basic information about playback and navigating in menus, see Infotainment - operating the system (p. 26).

NOTE

Videos can only be played when the vehicle is stationary or moving at a speed under 4 mph (6 km/h). When the vehicle reaches a speed of approx. 5 mph (8 km/h), the video will no longer be shown and **Video unavailable at this speed** will be displayed. However, the film's audio can still be heard. The video will resume playing when the vehicle's speed goes below 4 mph (6 km/h).

Navigating in a DVD's menus



Buttons in the center console control panel, shown in the illustration, are used to navigate in a DVD's menus.

Changing chapters or title

Turn **TUNE** to access the list of chapters and navigate in this list (the film will pause if it is currently playing). Press **OK/MENU** to choose a chapter and return to the normal view in the display (if a film was playing, it will resume). Press **EXIT** to access the list of titles.

In the list of titles, turn **TUNE** to make a selection and press **OK/MENU** to confirm. This also returns you to the list of chapters. Press **OK/MENU** to confirm and return to the normal view (if a film was playing, it will resume). Press **EXIT** to cancel and return to the normal view (without having made a selection).

It is also possible to change chapters by pressing ⏮ / ⏭ on the center console control panel or on the steering wheel keypad.

Related information

- Infotainment - operating the system (p. 26)
- Camera angle while playing DVD videos (p. 51)
- Fast forward/reverse (p. 49)
- Shuffle (p. 49)
- Media player – compatible file formats (p. 52)

Camera angle while playing DVD videos

If supported by the DVD, this function makes it possible to select the camera angle from which a certain scene is viewed.

From the disc's normal view, press **OK/MENU** and selcet **Advanced settings ➔ Angles**.

Related information

- Infotainment - operating the system (p. 26)
- Playing and navigating in DVDs (p. 50)

Screen settings

Certain screen settings, such as brightness and contrast, can be adjusted (while the vehicle is not moving).

1. In play mode, press **OK/MENU** and select **Image settings**. Confirm by pressing **OK/MENU**.
2. Turn **TUNE** to scroll to the desired setting and press **OK/MENU**.
3. Adjust the setting by turning **TUNE** and confirm by pressing **OK/MENU**.

Press **OK/MENU** or **EXIT** to return to the list of settings.

Related information

- Infotainment - operating the system (p. 26)
- Infotainment (p. 24)

Media player – compatible file formats

The media player supports a number of different types of files that are listed in the following tables.

Compatible CD/DVD formats

NOTE

Dual format (double-sided discs) such as DVD Plus or CD-DVD are thicker than normal discs and may not play in your infotainment system.

If a disc containing both CDDA and MP3 tracks is played, all MP3 tracks will be ignored.

Audio formats	CD-Audio, mp3, wma, aac, m4a
Video formats	DVD-Video

Compatible USB formats

The audio and video files in the following table are supported by the system for playback through the USB socket.

Audio format	mp3, mp4, wma, aac, m4a, m4b
Video format	–

MP3 audio specifications

Format	kHz	kbps
MPEG-1/Audio	32	32–320[A]
	44.1	32–320[A]
	48	32–320[A]
MPEG-2/Audio	16	8–160
	22.05	8–160
	24	8–160
MPEG-2.5/Audio	8	8-64
	11.025	8-64
	12	8-64

[A] Not 144 kbps.

WMA audio specifications

In order to play, a file must meet the following criteria:

WMA version	8.x, 9.x, 10.x, Pro

AAC audio specifications

In order to play, a file must meet the following criteria:

Audio format	MPEG-2 and MPEG-4
Audio sampling rate	8–96 kHz
Channels (ch)	1ch and 2ch

WAV audio specifications

In order to play, a file must meet the following criteria:

Audio sampling rate	Up to 44.1 kHz
Channels (ch)	1ch and 2ch
Audio bit rate	16 kbps for 1ch

The .wav format also supports the PCM format.

Related information

- Playing and navigating in DVDs (p. 50)

External audio sources via the AUX/USB sockets

External audio sources such as an iPod® or an mp3 player can be connected to the infotainment system.

A device with rechargeable batteries can be recharged when it is connected to the USB socket (if the ignition is on or the engine is running).

The **FAV** button can be used to store frequently used functions. The stored function can then be started by pressing **FAV**, see Favorites (p. 31).

Listening and navigating menus

An audio source connected to the USB socket can be operated using the infotainment controls. This is not the case for a device connected via the AUX socket.

From the source's normal view, turn **TUNE** to access the folder structure or to search among categories. Navigate in this structure by turning **TUNE** and select a folder by pressing **OK/MENU**. Leave the structure by pressing **EXIT**.

Play a file by pressing **OK/MENU**.

When the file is finished, the next one will begin playing. When all of the files in a folder have been played, another folder will automatically be selected.

Media searches

Searches can be performed on all of your devices (USB, CD, etc.). For more information about the search functions, see Media Search (p. 49).

USB flash drive

To simplify the use of a USB flash drive, it is advisable to only store music files on it. It will take considerably longer for the system to index the files on the drive if it contains anything other than compatible music files.

NOTE

The system supports removable media that uses the USB 2.0 standard and the FAT32 file system.

NOTE

When using a longer type of USB device, connecting it with a USB adapter cable will help reduce mechanical wear on the USB socket and on the device.

Technical specifications

Max. number of files	15,000
Max. number of folders	1,000
Max. number of folder levels	8
Max. number of playlists	100
Max. number of tracks in a playlist	1,000
Subfolders	No limit

Mp3 player

Many MP3 players have a file indexing system that is not supported by the vehicle's infotainment system. In order to use an MP3 player, the system must be set to **USB Removable device/Mass Storage Device**.

iPod®

NOTE

The system will only play audio files from an iPod®.

NOTE

To start playback, the source should be set to iPod® (not USB).

When iPod® is used as a sound source, the infotainment system has a menu structure similar to the one in the iPod®.

Related information

- Infotainment - operating the system (p. 26)
- Media player – compatible file formats (p. 52)

Connecting an external audio source via the AUX/USB sockets

External audio sources such as an iPod® or mp3 player can be connected to the infotainment system via the AUX and USB sockets in the center console storage compartment (see the illustration).

AUX/USB sockets

To connect an audio source:

1. Connect your device to one of the sockets.
2. From the media's normal view, press **MEDIA**, turn **TUNE** to the desired audio source, e.g., **USB**, **iPod** or **AUX** and press **OK/MENU**.

Reading USB will appear in the center console display as the system reads the device's file structure. The amount of time required for

this depends on the file structure and number of files.

NOTE

- The system supports a number of iPod® models produced in 2005 or later.
- In order to help avoid damage to the USB socket, it will be switched off if there is a short circuit or if the connected device uses too much current (which can happen if the device does not comply with the USB standard). The USB socket will reactivate the next time the ignition is switched on if the problem no longer exists. If the problem persists, contact a trained and authorized Volvo service technician.

External audio source volume

Set the volume for an external audio device. If the external sound source's volume is too low or high, the quality of the sound may be impaired.

If an external device such as an MP3 player or an iPod ® is connected to the **AUX** socket, the device's volume may be different than the volume of the infotainment system's internal sound sources such as the radio. To help prevent this, adjust the input volume of the external audio source. To do so: From the AUX's normal view, press **OK/MENU**. Select **AUX input** and select **Standard** or **Boost**.

NOTE

Sound quality may be affected if the MP3 player is being charged while the system is in AUX mode. To help prevent this, avoid charging the MP3 player in a 12-volt socket while it is being played.

Related information

- Infotainment - advanced audio settings (p. 33)
- Infotainment - operating the system (p. 26)

Media Bluetooth®

The media player is equipped with Bluetooth® for streaming audio files from external Bluetooth®-enabled devices such as cell phones, tablets, etc.

The device must be paired with and connect to the infotainment system.

For more information about listening to music and navigating in the menus, see Infotainment - operating the system (p. 26). The following provides detailed information.

Certain functions can be stored in the **FAV** button. A stored function can then be started easily by pressing **FAV**, see Favorites (p. 31).

Playback and navigation

Playback and navigation are controlled using the buttons in the center console or the steering wheel keypad. It is also possible to change tracks from certain external devices.

When a cell phone is connected to the infotainment system, it is also possible to remote-control some of the phone's features, see Bluetooth® hands-free system (p. 61). Toggle between **TEL** and **MEDIA** modes to control the various devices' functions.

NOTE

- Bluetooth® devices must support Audio/Video Remote Control Profile (AVRCP) and Advanced Audio Distribution Profile (A2DP). The phone must use AVRCP version 1.3 and A2DP 1.2. If older versions of these standards are used, certain features may not function properly.
- Not all cell phones or other devices are fully compatible with the Bluetooth® function in the vehicle's media player. A list of compatible phones and other devices is available at you Volvo retailer.
- The media player can only play audio files via Bluetooth®.

Related information

- Shuffle (p. 49)

Connecting and disconnect a Bluetooth® device

Sensus infotainment offers Bluetooth®, which makes it possible to establish wireless connections with other Bluetooth® devices after they have been paired and connected.

Up to 15 Bluetooth® devices can be paired and this procedure only needs to be done once for each device. After pairing has been completed, the device no longer needs to be visible or discoverable; its Bluetooth® feature only needs to be activated.

When Bluetooth® is active and the most recently connected device is within range, it will be connected automatically when the ignition is switched on. The device's name will be displayed in the sound source's normal view. To connect a different device, press **OK/MENU** and select Change device.

When the Bluetooth® device is out of range of the vehicle, it will be automatically disconnected. To manually disconnect the device, switch off its Bluetooth function.

To unpair a Bluetooth® device, see Deleting a Bluetooth® device (p. 61). When this has been done, the infotainment system will no longer automatically search for the device.

Two Bluetooth® devices can be connected at the same time, for example a cell phone and a media player, which makes it possible to switch between these devices.

Example: a cell phone is connected as a phone and as a media player

Related information

- Infotainment - operating the system (p. 26)
- Bluetooth® hands-free system (p. 61)

Connecting a Bluetooth® device

Two Bluetooth® devices (a cell phone and a media player) can be connected at the same time and you can toggle between them. It is also possible to make a phone call and stream audio files at the same time, and a cell phone can be used to connect the vehicle to the Internet .

Up to 15 Bluetooth® devices can be paired to the infotainment system and the pairing procedure only needs to be done once for each device. After pairing has been completed, the device no longer needs to be visible or discoverable; its Bluetooth® feature only needs to be activated.

NOTE

If your cell phone's operating system is updated, this may break the connection between the phone and the vehicle. If this happens, delete the phone from the list of paired phones (Deleting a Bluetooth® device (p. 61)) and repeat the pairing procedure described in this article.

The procedure for connecting an external device varies, depending on whether the device has been paired previously.

Both of the following connection methods assume that the device has not yet been paired to the system.

The examples are based on pairing a cell phone but pairing another device is done in the same way. However, it is done from **MEDIA** mode (press the **MEDIA** button on the center console to enter this mode).

There are two ways of pairing a device:

- By searching for the external device using the infotainment system's menus.
- By searching for the vehicle (infotainment system) using the external device's Bluetooth® function.

If you are not already in telephone mode, press the **TEL** button on the center console.

An example of telephone mode's normal view

Method 1: search for the external device using the infotainment system's menus

1. Make the external device discoverable/visible using its Bluetooth® function. Refer to the device's user's guide if necessary or go to www.volvocars.com.
2. From the telephone's normal view, press **OK/MENU** and select **Search new phone** (for media players, **Search new device**).
   > The infotainment system will now search for Bluetooth® devices that are in range, which may take up to 1 minute.
3. Select a Bluetooth® device from the list and press **OK/MENU**.
4. Be sure that the code displayed in the device is the same as the one shown on the infotainment screen. If so, accept the code in both places.
5. From the cell phone, accept or reject any choices regarding its phone book and messages.
   > The external device is now paired to the infotainment system.

If this method has not succeeded, press **EXIT** and pair the device using method 2.

Method 2: search for the vehicle using the external device's Bluetooth® function

1. From the telephone's normal view, press **OK/MENU** and select **Make car discoverable**. Confirm by pressing **OK/MENU**.
2. Search for Bluetooth® devices (i.e., the infotainment system) from the external device, which may take up to 1 minute.
3. Select the vehicle's name on the external device's screen.
4. Be sure that the code displayed in the device is the same as the one shown on the infotainment screen. If so, accept the code in both places.
5. From the cell phone, accept or reject any choices regarding its phone book and messages.
   > The external device is now paired to the infotainment system.

When the external device has been paired and selected, its Bluetooth® name will appear on the infotainment system's screen and the device can be controlled from the vehicle.

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)

Pairing a Bluetooth® device

Two Bluetooth® devices (a cell phone and a media player) can be connected at the same time and you can toggle between them. It is also possible to make a phone call and stream audio files at the same time, and a cell phone can be used to connect the vehicle to the Internet .

Up to 15 Bluetooth® devices can be paired to the infotainment system and the pairing procedure only needs to be done once for each device. After pairing has been completed, the device no longer needs to be visible or discoverable; its Bluetooth® feature only needs to be activated.

NOTE

If your cell phone's operating system is updated, this may break the connection between the phone and the vehicle. If this happens, delete the phone from the list of paired phones (Deleting a Bluetooth® device (p. 61)) and repeat the pairing procedure described in this article.

The procedure for connecting an external device varies, depending on whether the device has been paired previously.

Both of the following connection methods assume that the device has not yet been paired to the system.

The examples are based on pairing a cell phone. Connecting a media player is done in the same way. However, it is done from **MEDIA** mode (press the **MEDIA** button on the center console to enter this mode).

There are two ways of pairing a device:

- By searching for the external device using the infotainment system's menus.
- By searching for the vehicle (infotainment system) using the external device's Bluetooth® function.

If you are not already in telephone mode, press the **TEL** button on the center console.

An example of telephone mode's normal view

Method 1: search for the external device using the infotainment system's menus

1. Make the external device discoverable/visible using its Bluetooth® function. Refer to the device's user's guide if necessary or go to www.volvocars.com.
2. From the telephone's normal view, press **OK/MENU** and select **Search new phone** (for media players, **Search new device**).
   > The infotainment system will now search for Bluetooth® devices that are in range, which may take up to 1 minute.
3. Select a Bluetooth® device from the list and press **OK/MENU**.
4. Be sure that the code displayed in the device is the same as the one shown on the infotainment screen. If so, accept the code in both places.
5. From the cell phone, accept or reject any choices regarding its phone book and messages.
   > The external device is now paired to the infotainment system.

If this method has not succeeded, press **EXIT** and pair the device using method 2.

Method 2: search for the vehicle using the external device's Bluetooth® function

1. From the telephone's normal view, press **OK/MENU** and select **Make car discoverable**. Confirm by pressing **OK/MENU**.
2. Search for Bluetooth® devices (i.e., the infotainment system) from the external device, which may take up to 1 minute.
3. Select the vehicle's name on the external device's screen.
4. Be sure that the code displayed in the device is the same as the one shown on the infotainment screen. If so, accept the code in both places.
5. From the cell phone, accept or reject any choices regarding its phone book and messages.
   > The external device is now paired to the infotainment system.

When the external device has been paired and selected, its Bluetooth® name will appear on the infotainment system's screen and the device can be controlled from the vehicle.

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)

Automatically connect a Bluetooth® device

When a Bluetooth® device has been paired to the infotainment system, it will automatically be connected when the ignition is switched on.

When Bluetooth® is active and the most recently connected device is within range, it will be connected automatically. If this device is not within range, the system will attempt to connect another previously paired device.

To connect a different paired device, press **EXIT**, select to connect a new device or switch to another Bluetooth device.

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)

Switching to another Bluetooth® device

If more than one device is connected at the same time, you can switch between these devices. Before this is possible, they must first be paired with the infotainment system.

Switching media players

1. Be sure that the external device's Bluetooth® function is activated. Refer to the devices's user's guide if necessary.
2. From the media Bluetooth® ´s normal view, press **OK/MENU** and select **Change device**.
   > The infotainment system will search for previously connected devices. The Bluetooth® names of the devices found will appear in the center console display.
3. Select the desired device.
   > The selected device will be connected.

Switching cell phones

1. Be sure that the external device's Bluetooth® function is activated. Refer to the devices's user's guide if necessary.
2. From the telephone's normal view, press **OK/MENU** and select **Change phone**.
   > The infotainment system will search for previously connected phones. The Bluetooth® names of the phones found will appear in the center console display.
3. Select the desired device.
   > The selected device will be connected.

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)

Disconnecting a Bluetooth® device

When a Bluetooth® device is out of range, it is automatically disconnected.

If a cell phone is moved out of range during a call, the call will switch to the phone's speaker and microphone.

The hands-free function is deactivated when the ignition is switched off and the driver's door is opened.

To remove (unpair) a Bluetooth® device, see Deleting a Bluetooth® device (p. 61). The infotainment system will no longer search for the unpaired device.

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)
- Media Bluetooth® (p. 55)
- Bluetooth® hands-free system (p. 61)

Deleting a Bluetooth® device

Paired Bluetooth® devices can be deleted (unpaired) from the infotainment system, which means that the system will no longer search for these devices.

Deleting a media player

From the media Bluetooth®'s normal view, press **OK/MENU** and select **Change device ➔ Delete device**.

Deleting a cell phone

From the telephone's normal view, press **OK/MENU** and select **Change phone ➔ Delete device**.

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)
- Media Bluetooth® (p. 55)
- Bluetooth® hands-free system (p. 61)

Bluetooth® hands-free system

A Bluetooth®-enabled cell phone or other device can be wirelessly connected to the infotainment system.

Overview of center console Bluetooth® controls

The device must first be paired and connected to the infotainment system.

A hands-free connection to the infotainment system makes it possible to remotely control many of a cell phone's functions. The phone's controls can also be used at any time, even it is connected to the infotainment system.

When a cell phone or other device is connected, audio can be streamed to the infotainment system, see Media Bluetooth® (p. 55). Toggle between the devices by pressing the **TEL** and **MEDIA** buttons to access the respective sources' functions.

NOTE

Not all cell phones are fully compatible with the hands-free system. A list of compatible phones is available at your Volvo retailer or at www.volvocars.us

Activating

Press **TEL** briefly to activate the most recently connected phone. If a phone is already connected, pressing **TEL** will display a shortcut menu listing commonly used phone functions. The symbol in the display indicates that a phone is connected.

Making a call

1. Ensure that the symbol is visible at the top of the display and that the hands-free function is in telephone mode.
2. Dial the desired number or in normal view, turn **TUNE** clockwise to access the phone book or counter-clockwise to access the call list. Scroll to the desired contact/name.
3. Press **OK/MENU** to initiate the call.

End the call by pressing **EXIT**.

Reading text messages[9]

The infotainment system will show the connected phone's messages.

If the connected cell phone receives a text message, the symbol will appear at the top of the display.

1. Press **TEL** followed by **OK/MENU** to access the **Phone menu**.
2. Turn **TUNE** to **Messages** and press **OK/MENU**.
3. Turn **TUNE** to scroll to the desired message and press **OK/MENU**.
   > The message will be displayed.
4. Press **OK/MENU** to access the text message menu to e.g., let the system's text-to-speech function read the message, call the message's sender or delete the message.

If **TEL** mode is already active, a pop-up menu with new messages will be displayed. By pressing **OK/MENU**, the selected message will be displayed and the text-to-speech function will read it. Cancel reading by pressing **EXIT**.

The pop-up-menu and the message can be turned off in **Phone menu ➔ Message notifications**.

NOTE

In order to show the connected cell phone's messages on the infotainment system's display, the cell phone has to accept mirroring when it is connected. Depending on the phone, the following will occur:

- A pop-up window or notification will be displayed and accepted in the phone.
- Accept mirroring in the settings for the phone's Bluetooth® connection to the infotainment system.

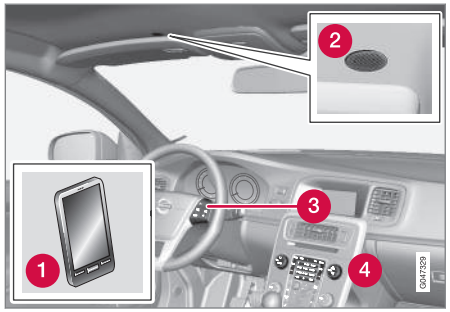
It may be necessary to disconnect and reconnect the phone from the infotainment for mirroring to take place.

Related information

- Bluetooth® hands-free phones – audio settings (p. 63)
- Bluetooth® hands-free menus (p. 84)

Bluetooth® hands-free system – overview

The illustration provides an overview of the Bluetooth® hands-free system.



System overview

1. Cell phone
2. Microphone
3. Steering wheel keypad
4. Center console controls

Related information

- Infotainment - operating the system (p. 26)
- Connecting and disconnect a Bluetooth® device (p. 56)

9 Not supported by all cell phones.

Call Management

These functions help to manage phone calls.

Incoming calls

– Press **OK/MENU** (or the thumb wheel on the steering wheel keypad) to answer a call, even if the infotainment system is in e.g., **RADIO** or **MEDIA** mode.

Reject or end a call by pressing **EXIT**.

Call menu

From the telephone's normal view, press **OK/MENU** while a call is in progress to access the following functions:

- **Mobile phone** – the call is transferred from the hand-free function to the cell phone. The connection will be broken on certain phones, which is normal. The hands-free will prompt you to reconnect.
- **Mute microphone** – Infotainment system sound is muted.
- **Dial number** – call a third party using the number keys while another call is in progress (the call in progress will be put on hold).

Call list

The call list is shared and updated with the hands-free function each time a phone is connected. From the telephone's normal view, turn **TUNE** counter-clockwise to display this list.

From the telephone's normal view, press **OK/MENU** and select **Call list** to see the currently connected phone's call list.

NOTE

In order to display the connected cell phone's call list in the infotainment system, information sharing must be accepted in the phone when it is connected. Depending on the phone, the following will occur:

- A pop-up window or notification is displayed and accepted in the phone.
- Accept information sharing in the phone's settings for a Bluetooth® connection to the infotainment system.

In certain cases, the phone must be disconnected and reconnected to the infotainment system before information sharing is possible.

Related information

- Infotainment - operating the system (p. 26)
- Cell phone voice control (p. 70)
- Bluetooth® hands-free system (p. 61)
- Bluetooth® hands-free phones – audio settings (p. 63)
- Phone book (p. 64)

Bluetooth® hands-free phones – audio settings

Volume settings can be made for phone calls, the infotainment system and for when the phone rings.

Phone call volume

Phone call volume can only be changed while a call is in progress. Use the steering wheel keypad or the **VOL** control on the center console.

Infotainment system volume

While no phone calls are in progress, the infotainment system's volume can be adjusted in the normal way using the steering wheel keypad or the **VOL** control on the center console.

If a sound source is active when a call is received, it will be muted automatically.

Ringing volume

This volume can be changed by pressing the **SOUND** button, turning **TUNE** to **Ringtone volume** and pressing **OK/MENU**. Set the volume by turning **TUNE** and save the setting by pressing **OK/MENU**.

Ringing tones

The cell phone's ringing tone will be used when a call is received.

NOTE

In certain cases, the connected cell phone's ringing tone may not be switched off when one of the hands-free system's ringing tones is used.

Related information

- Infotainment - operating the system (p. 26)
- Bluetooth® hands-free system (p. 61)

Phone book

The list of contacts (phone book) displayed on the infotainment system's screen mirrors the phone book in the currently connected cell phone.

The symbol must be displayed at the top of the infotainment system's screen and the hands-free system must be in telephone mode before the phone book can be used.

For incoming calls, if the phone book contains information about the caller, it will be displayed on the screen.

NOTE

Mirroring (syncing contacts) must be activated when a cell phone is connected to the infotainment system before the phone book can be displayed on the center console screen. Depending on the type of phone, the following may happen:

- A pop-up window or notification will be displayed and accepted in the phone.
- Accept mirroring (activate "Sync contacts" or similar) in the phone's Bluetooth® settings.

It may be necessary to disconnect and reconnect the phone from the infotainment for mirroring to take place.

Related information

- Infotainment - operating the system (p. 26)
- Bluetooth® hands-free system (p. 61)

Quick phonebook searches

*From the telephone's normal view, turn **TUNE** clockwise to display the list of contacts (phonebook).*

Turn **TUNE** to scroll to a contact and press **OK/MENU** to make a call.

The primary phone number will be displayed below the contact's name. If there is a ▾ symbol to the right of the contact's name, this indicates that there are other phone numbers stored for this contact. Press **OK/MENU** to display these numbers. Turn **TUNE** to select one of the other phone numbers and press **OK/MENU** to make a call.

Search the phone book by entering the beginning of the contact's name using the center console keypad, see also Phone book – character table for the center console keypad (p. 65).

Related information

- Infotainment - operating the system (p. 26)
- Bluetooth® hands-free system (p. 61)

Phone book – character table for the center console keypad

The following table shows the characters that can be accessed by pressing the respective keys on center console. Press once for the number on the key and continue pressing to reach the desired letter on the key.

Button	Function
1 ␣	Space . , - ? @ : ; / ( ) 1
2 ABC	A B C Å Ä Æ À Ç 2
3 DEF	D E F È É 3
4 GHI	G H I Ì 4
5 JKL	J K L 5
6 MNO	M N O Ö Ø Ñ Ò 6
7 PQRS	P Q R S ß 7
8 TUV	T U V Ü Ù 8
9 WXYZ	W X Y Z 9
0 +	+ 0 p w
#INFO	# *

Related information

- Infotainment - operating the system (p. 26)
- Bluetooth® hands-free system (p. 61)

Searching for phone book contacts

The following is the procedure for searching for contacts in you're your phone book

Search using the text wheel

1. Character list
2. Switch between character entry modes (see the following table)
3. List of phone book contacts

To search for contacts in telephone´s normal view, press **OK/MENU** and select **Contacts**.

1. Turn **TUNE** to the desired letter and press **OK/MENU** to confirm. The number/letter keys on the center console can also be used.
2. Continue with the remaining characters in the contact's name. The search results will be listed in the phone book (3).
3. To switch from letter entry mode to the entry mode for numbers or special characters, or to go to the pone book, turn **TUNE** to one of the selections (see the explanation in the following table) in the list for switching character entry mode (2) and press **OK/MENU**.

123/ABC	Toggle between letters and numbers by pressing **OK/MENU**.
MORE	Switch to special characters by pressing **OK/MENU**.
=>	This leads to the phone book (3). Turn **TUNE** to select a contact and press **OK/MENU** to display the contact's information.
First name/ Last name	Toggle between first-/last name sort order in the phone book.

Press **EXIT** briefly to erase a single character. Press and hold **EXIT** to erase all of the characters that have been entered.

If a number key on the center console is pressed while the text wheel is displayed (see the previous illustration), a list of characters will be displayed. Press repeatedly on the key to access the desired letter. Continue with the next letter, etc. When a key has been pressed, this will be confirmed when the next key is pressed.

Related information

- Infotainment - operating the system (p. 26)
- Bluetooth® hands-free system (p. 61)

Voice control - introduction

Voice control enables the driver to voice-activate certain functions in the infotainment system, a Bluetooth®-connected cell phone or in the optional navigation system.

NOTE

- The information about phone commands in this section applies to a **Bluetooth®-connected cell phone**. See Bluetooth® hands-free system (p. 61) for more detailed information.
- Volvo' optional navigation system has a separate user's guide containing that system's specific voice commands.

Voice control offers convenience and enables the driver to keep his/her hands on the steering wheel and concentrate on driving.

WARNING

As the driver, you have full responsibility for operating the vehicle safely and adhering to all applicable traffic regulations.

Input to the system is in dialog form: commands from the driver and a response from the system. The voice control system uses the same microphone as the Bluetooth® hands-free system, see Bluetooth® hands-free system – overview (p. 62) and system responses come via the infotainment system's speakers.

Getting started

Right side steering wheel keypad

1 Voice control button

- Press the button (1) to activate the system and initiate a command dialog. The most common commands will then be displayed on the center console screen.

While using the voice control system, keep the following in mind:

- When giving commands, speak at your usual speed and in a normal tone of voice **after the tone**
- Avoid speaking while the system is responding. Commands cannot be processed during a response.
- The vehicle's doors, windows and moonroof* should be closed when using the voice control system
- Avoid background noises in the cabin when using the system

NOTE

If you are uncertain of the commands that you can use, saying **help** will prompt the system to provide a number of commands that can be used in a specific situation.

Commands can be cancelled by:

- Saying **cancel**
- Pressing **EXIT** or any of the mode buttons (**Tel**, **MEDIA**, etc.).

Cell phones

Before any phone-related voice commands can be used, a Bluetooth®-enabled cell phone must be paired with and connected to the infotainment system. If a command is given and no phone is connected, the system will inform you of this. See Connecting a Bluetooth® device (p. 57) for information about pairing and connecting a cell phone.

Voice control language

The languages available for voice control can be selected in the MY CAR menu system.

Sample list of languages

Voice control is not available in all languages. The languages supported are marked by the icon in the list of languages and may vary according to the country/area in which you live. Language changes are made in the MY CAR menu system.

NOTE

Changing the language for voice controls also changes the language used in the entire infotainment system.

Related information

- Voice control help functions (p. 68)
- Voice control settings (p. 69)

Voice control help functions

These functions help you get started using the voice control system (p. 67) and improve the system's voice recognition.

- **Voice tutorial**: helps acquaint you with the system and the procedure for giving voice commands.
- **Voice training**: A function that helps the system improve its voice recognition (learn to identify your voice and pronunciation). This also makes it possible to set a user profile.
- **Brief instruction**: A function that reads a brief instruction about how the system works.

NOTE

These instructions are only available when the vehicle is parked.

Tutorial

The tutorial can be started in the normal view for MY CAR, by press **OK/MENU** and select **Settings** ➔ **Voice control settings** ➔ **Tutorial**.

The tutorial is divided into 3 lessons that take a total of about 5 minutes to complete. By default, the system begins with the first lesson. To skip a lesson and go to the next one, press ⏭. Go to the previous lesson by pressing ⏮.

Leave the tutorial by pressing **EXIT**.

Speaker adaptation

The system will display a number of phrases for you to say. Adaptation can be started in the normal view for MY CAR, by press **OK/MENU** and select **Settings** ➔ **Voice control settings** ➔ **Speaker adaptation**.

When this has been completed, remember to select a **Trained user** profile under **User setting**.

Brief instruction

The system will read a brief instruction about voice control. To start, press the voice control button on the steering wheel keypad and say "**Brief instruction**".

Voice control settings

There are a number of settings that can be made for the voice control system (p. 67).

- **User settings**: A voice (user) profile can be set in the normal view for MY CAR, by press **OK/MENU** and select **Settings** ➔ **Voice control settings** ➔ **User setting**. The choices are: **Default** or **Trained user**. **Trained user** can only be selected if voice training (p. 68) has been completed.
- **Synthetic voice speed**: The speed of the systems's dynamic (not prerecorded) text-to-speech voice can be changed in the normal view for MY CAR, by press **OK/MENU** and select **Settings** ➔ **Voice control settings** ➔ **Read out speed**. Choose between **Fast**, **Medium** and **Slow**.
- **Voice control volume**: Volume can be adjusted by pressing the **SOUND** button and turning **TUNE** to **Voice control volume** and pressing **OK/MENU**. Adjust the volume by turning **TUNE** and save the new setting by pressing **OK/MENU**.

Voice control commands

Voice control enables the driver to voice-activate certain functions in the infotainment system, a Bluetooth®-connected cell phone or in the optional navigation system.

The driver initiates a voice command dialog by pressing the voice control button on the steering wheel keypad.

When a dialog has begun, the most common commands will be displayed on the center console screen.

Once you become familiar with the system, you can speed up the command dialogue by briefly pressing the voice control button to skip prompts from the system.

Commands can be given in several ways

For example, the command for searching for a track on a CD can be given as several short commands or as one command:

- **Media search** > **Track**: Say **Media search**, wait for the system's response and then say **Track**.

or

- Say **Media search track** without pausing.

Related information

- Voice control command shortcuts (p. 70)
- Cell phone voice control (p. 70)
- Radio voice control (p. 71)
- Multimedia voice control (p. 71)

Voice control command shortcuts

The system provides lists of voice command shortcuts (p. 67).

Global commands for the infotainment system functions and cell phone can by found in the normal view for MY CAR, by press **OK/MENU** and select **Settings** ➔ **Voice control settings** ➔ **Command list** ➔ **Global commands**, **Phone commands**, **Media commands**, **Radio commands** and **Navigation commands***.

Help texts for each command explain if the command can be used in all media sources or is specific to one particular source.

Cell phone voice control

Voice commands (p. 67) can be used to control many of the most common functions in a Bluetooth®-connected cell phone.

The following command dialogs are only examples; the system's responses may very according to the situation.

Dialing a number

The system understands the digits **0** (zero) to **9** (nine). These numbers can be spoken individually, in groups of several digits at a time, or the entire phone number can be given at once. Numbers above nine will not be recognized.

The following is an example of a voice command dialog for dialing a number.

1. The user begins by saying **Dial number**.
   > The system's response is **Number please**.
2. Begin speaking the digits in the phone number individually **Six-eight-seven**, etc.
   > If you pause, the system will repeat the most recently spoken group of digits.
3. Continue saying the remaining digits. When you have given the entire number, conclude by saying **Ok**.
   > The system will initiate the call.

The number can be changed by saying **Correction** (which will delete the last group of digits spoken) or **Delete** (which will erase the entire phone number). By saying **Repeat**, the system will repeat the entire phone number.

Calling a contact

The following dialogue enables you to call a contact in your cell phone's phone book.

1. The user begins by saying **Call contact**.
   > The system's response is **Name please**.
2. Say the contact's number in the list displayed.
   > If only one contact is found, the call will be initiated. Otherwise, the system will continue to prompt you for more information.

If there is more than one phone number for a particular contact, specify the number to call by saying **Mobile**,**Work**, etc.

Other commands

Additional cell phone voice commands can be found in the MY CAR normal view by pressing **OK/MENU** and selecting **Settings** ➔ **Voice control settings** ➔ **Command list** ➔ **Phone commands**.

* Option/accessory, for more information, see Introduction.

Radio voice control

Radio voice commands (p. 67) can be used to e.g., change stations.

The following command dialogs are only examples; the system's responses may very according to the situation.

Changing stations

The dialog lets you change radio stations.

1. The user begins by saying **Select station**.
   > The system will prompt you for the station's name.
2. Say the station's name.
   > The system will tune to the selected station.

Changing frequencies

The system understands frequency numbers between **87.5** (eighty-seven point five) and **108.0** (one-hundred-eight point oh).

This dialog lets you change radio frequencies.

1. The user begins by saying **Frequency**.
   > The system will prompt you for the frequency number.
2. Say a number between 87.5 and 108.0 megahertz.
   > The system will tune to the selected frequency.

Other commands

Additional radio voice commands can be found in the MY CAR normal view by pressing **OK/MENU** and selecting **Settings** ➔ **Voice control settings** ➔ **Command list** ➔ **Radio commands**.

Related information

- Radio (p. 34)

Multimedia voice control

Voice commands (p. 67) can be used to control the multimedia functions such as changing audio sources or tracks.

The following command dialogs are only examples; the system's responses may very according to the situation.

Changing sources

The following is a voice command for changing media sources.

– The user begins by saying **Disc**.
   > The system switches to the CD/DVD player.

Switch to other sources by saying e.g., **Bluetooth**", "**AUX**, **USB**, etc. The sources available depend on the devices currently connected and whether or not the device contains playable files. If a media source is not available, the system will provide an explanation.

Changing tracks

The system understands the digits **0** (zero) to **99** (ninety-nine). Numbers above ninety-nine will not be recognized.

The following is a voice command for changing tracks.

1. The user begins by saying: **Select track**.
   > The system will prompt you for the track number.

2. Say the track's number (one number only, e.g., twenty-three, not two-three).
   > The system will switch to the selected track on the active media source.

Searching for media

The following is a voice command for searching for media sources.

1. The user begins the dialog by saying **Media search**.
   > The system will display a numbered list of all possible search categories and will prompt you to say a line number or category.
2. Say the line number or search category.
   > The system will continue to provide instructions.

Other commands

Additional multimedia voice control commands can be found in the MY CAR normal view by pressing **OK/MENU** and selecting **Settings ➔ Voice control settings ➔ Command list ➔ Media commands**.

Related information

- Media Player (p. 47)

Internet connection

Connecting the vehicle to the Internet makes it possible to utilize navigation services, web radio and to stream music via apps (p. 76) and to use the integrated web browser (p. 77).

The system's integrated apps can be used when the vehicle is connected to the Internet. The apps available may vary and may include navigation services, social media, web radio and music services. The vehicle has a basic web browser to search for and display Internet content.

If an Internet connection is through a cell phone, other mobile functions are also available, such as reading text messages and making calls, see Bluetooth® hands-free system (p. 61).

The cell phone and your service provider must support tethering (sharing an Internet connection) and your subscription must include data communication.

NOTE

Data is transmitted while the vehicle is online, which may result in additional charges from your service provider.

Data roaming may result in additional charges.

Contact your service provider for information about costs/fees, etc.

Connecting the vehicle to the Internet

Internet connection settings

The default Internet connection setting is "none." When one of the other connection methods has been selected, this will be stored and the vehicle will attempt to connect

automatically using this method whenever a network is available. To change this setting, choose one of the other connection methods. To stop automatic connection, see the section "Disconnecting" below.

Choose a connection method - Bluetooth®, Wi-Fi or integrated modem.

Integrated modem*[10]

To connect using the modem, see Car modem* (p. 74).

Bluetooth®

1. The cell phone must first be paired with and connected to the infotainment system (p. 57).
2. Activate tethering (portable/personal hotspot) via the cell phone's Bluetooth® function.
3. From **MY CAR**'s normal view, press **OK/MENU** and select **Settings** ➔ **Internet settings** ➔ **Bluetooth**.
   > The vehicle is now connected.

The system will then automatically connect via Bluetooth® when a network is available.

A symbol on the screen (p. 30) will show the current status of the connection.

To disconnect, see the section "Disconnecting."

The vehicle can store information on a maximum of 10 Bluetooth® networks. If another network is added, the oldest network and password will be removed from the list.

Wi-Fi

1. Activate tethering (portable/personal hotspot) in the cell phone.
2. From **MY CAR**'s normal view, press **OK/MENU** and select **Settings** ➔ **Internet settings** ➔ **Wi-Fi**.
   > This starts a search for available Wi-Fi networks.
3. Select your network.
4. Select **Connect**.
5. Enter the network password.
   > The vehicle will attempt to connect to the network.

The system will then automatically connect via Wi-Fi when the network is available.

A symbol on the screen (p. 30) will show the current status of the connection.

To disconnect, see the section "Disconnecting".

The vehicle can store information on a maximum of 10 Bluetooth® networks. If another network is added, the oldest network and password will be removed from the list.

Removing a saved Wi-Fi network

1. Press the **MY CAR** button to display the source's normal view.
2. Press **OK/MENU** and select **Settings** ➔ **Internet settings**.
3. Select **Wi-Fi**.
   > A list of available networks will be displayed.
4. Select the network to be removed from the list.
5. Select **Forget**.
   > The system will no longer automatically connect to this network.

Removing all networks

All networks can be removed simultaneously. Please note that this will also reset all user data and system settings to the factory defaults.

To return to the factory defaults, from **MY CAR**'s normal view, press **OK/MENU**. Select **Settings** ➔ **Reset to factory settings**.

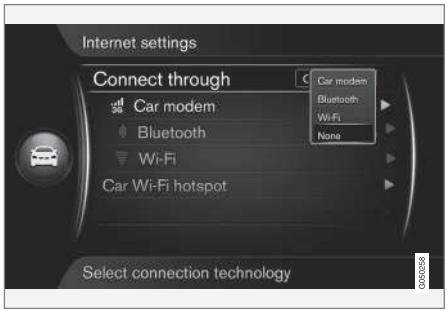
10 Only models with Volvo On Call

Wi-Fi technology and security

The vehicle can be connected to a Wi-Fi network at a frequency of 2.4 GHz. If several devices are using this frequency simultaneously, this may result in reduced performance.

- Frequency: 2.4 GHz.
- Standards: 802.11 b / g / n.
- Encryption protocol: WPA2-AES-CCMP.

Disconnecting



From **MY CAR**'s normal view, press **OK/MENU** and select **Settings** ➔ **Internet settings** ➔ **None**. The vehicle will not connect to the Internet.

Internet connection problems

The amount of data being transferred is determined by the services or apps being used in the vehicle. For example, streaming audio may require large of amounts of data to be transferred, which requires a good connection and a strong signal.

- **Cell phone to the infotainment system**

The Bluetooth® connection's speed can vary, depending on the location of the cell phone in the vehicle. Moving the phone closer to the infotainment system can help increase signal strength. Be sure that there are no obstructions between the phone and the system.

- **Cell phone to the network service provider**

The speed of the mobile network varies depending on your location and some areas may provide poor reception (in tunnels, driving in deep valleys, indoors). The speed may also be linked to your service subscription.

NOTE

Contact your service provider if data communication problems occur.

Related information

- On-screen symbols (p. 30)
- Change of ownership (p. 11)

Car modem*11

The vehicle is equipped with a modem that can be used to connect to the Internet. This connection can also be shared via Wi-Fi.

Internet connection

1. Insert your personal SIM card in the holder located in the glove compartment.
2. Press the **MY CAR** button on the center console to display this mode's normal view. Press **OK/MENU** and select **Settings** ➔ **Internet settings** ➔ **Car modem**.
3. Enter the SIM card's PIN code.
   > The vehicle will now connect to the Internet and the various on-line functions can be used, see Internet connection (p. 72).

* Option/accessory, for more information, see Introduction.

NOTE

- The data subscription in the vehicle must be active in order to connect to the Internet.
- To avoid having to enter the PIN code each time the ignition is switched on, the SIM card can be unlocked in the menu system. To do so, press the **MY CAR** button on the center console to display this mode's normal view. Press **OK/MENU** and select **Settings ➔ Internet settings ➔ Car modem**. Deselect (unmark) the **Lock SIM card** box.

From **MY CAR**'s normal view, press **OK/MENU** and select **Settings ➔ Internet settings ➔ None** to turn off the Internet connection.

Sharing a Wi-Fi hotspot (tethering)

When an Internet connection has been established using the modem, this connection (a Wi-Fi hotspot) can be shared (tethered) to enable other devices in the vehicle to use the modem.

1. From **MY CAR**'s normal view, press **OK/MENU** and select **Settings ➔ Internet settings ➔ Car Wi-Fi hotspot**

   Enter a name for the Wi-Fi network (SSID) and specify a password. The name must contain 6-32 characters and the password must contain 10-63 characters. The name and password can be changed at any time.

2. Activate the vehicle's Wi-Fi hotspot by checking the box on the screen.
   > External devices can now connect to the vehicle's Wi-Fi hotspot.

To deactivate, remove the check from the box.

Up to 8 devices can be connected to the vehicle's Wi-Fi hotspot. To view the number of devices connected, from **MY CAR**'s normal view, press **OK/MENU** and select **Settings ➔ Internet settings**.

Number of devices connected to the Wi-Fi hotspot

For certain connected devices, from **MY CAR**'s normal view, press **OK/MENU** and select **Settings ➔ Internet settings ➔ Car Wi-Fi hotspot**.

11 Models equipped with Volvo On Call with Sensus Connect* only.

Wi-Fi hotspot technical specifications and security

Wi-Fi hotspot tethering uses a frequency of 2.4 GHz. If several devices use this frequency simultaneously, this may result in slower access times.

- Frequency: 2.4 GHz.
- Standards: 802.11 b / g / n.
- Security certificate: WPA2-AES-CCMP.
- The antenna for the vehicle's modem is located on the roof.

No or poor Internet connection

See Internet connection (p. 72).

Related information

- Internet connection (p. 72)
- On-screen symbols (p. 30)

Applications

Applications (apps) are services that can be used when the vehicle is connected to the Internet. The apps available vary and include services related to navigation, social media, web radio and music.

For basic information on using the infotainment system, see operating the system (p. 26).

Before any apps can be used, the vehicle has to be connected to the Internet (p. 72).

A symbol (p. 30) will be displayed in the upper right corner of the screen when the vehicle is connected. If no Internet connection is available, a message will be displayed.

NOTE

Data is transmitted while the vehicle is online, which may result in additional charges from your service provider.

Data roaming may result in additional charges.

Contact your service provider for information about costs/fees, etc.

Press the button on the center console and select **Apps** to display the apps that are currently available. Select one from the list and start it by pressing **OK/MENU**.

The apps are downloaded to the vehicle and are updated each time they are started. This means that an Internet connection is required each time an app is used.

Certain apps require sharing location information. The symbol will be displayed whenever this takes place.

Logging in

There are two types of apps/services that require you to log in:

- Ones that require registration by a service provider. Follow the instructions on the

screen when starting apps of this type or use an existing account to log in.

- Certain apps require a personal Volvo ID. Register an ID (see Volvo ID (p. 11)) or use an existing one to access useful functions such as sending an address from a map service on the Internet to a navigation app or to Volvo's Sensus Navigation system*.

Navigation services

Navigation services provide guidance to a preset destination. However, in certain situations beyond the system's control (e.g., very recent road construction, etc.), this guidance may not be accurate.

WARNING

- Always use good judgment when following navigation system guidance, and do not follow guidance that seems contrary to your own best judgment.
- Never use the navigation system or any other feature in your vehicle in a way that distracts you from the task of driving safely. Distraction can lead to a serious accident.
- Set and make changes in your navigation system only with the vehicle parked.
- Be aware of the current traffic situation.
- Always comply with relevant traffic regulations.

NOTE

The optional Sensus Navigation system can be installed (activated) in your vehicle at any time, giving you access to additional functions and map information. Consult your Volvo retailer.

Related information

- On-screen symbols (p. 30)
- Change of ownership (p. 11)
- Browser (p. 77)

Browser

The infotainment system has an integrated web browser for searching for and displaying Internet content.

The web browser supports the HTML 4 standard for text and graphics. However, it does not support animations, video or audio. Information cannot be downloaded or saved.

In order to use the web browser, the vehicle must first be connected to the Internet(p. 72) .

NOTE

Data is transmitted while the vehicle is online, which may result in additional charges from your service provider.

Data roaming may result in additional charges.

Contact your service provider for information about costs/fees, etc.

NOTE

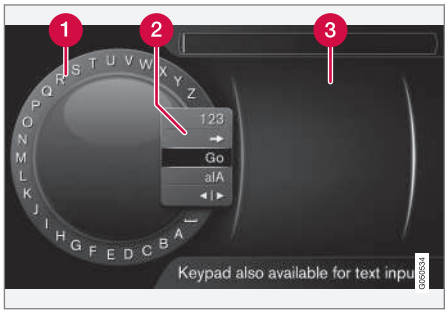
The web browser is not available while the vehicle is moving.

Press the Internet button (🌐) on the center console and select **Web browser**.

For Bluetooth® Internet connections, the Bluetooth® symbol will appear in the upper-right corner of the display.

If no Internet connection is available, a message indicating this will be displayed.

Searching for information



Searching using the text wheel

1. List of characters
2. Switching between character entry modes (see the following table)
3. Surf history

Use the text wheel to enter a web address.

1. Turn **TUNE** to the desired letter and press **OK/MENU** to confirm. The number/letter keys on the center console can also be used.
2. Continue to the next letter, etc. The results of the search will be displayed in the phone book.
3. To switch from letter entry mode to the entry mode for numbers or special characters, or to go view surf history, turn **TUNE** to one of the selections (see the explanation in the following table) in the list for switching character entry mode (2) and press **OK/MENU**.

123/ABC	Toggle between letters and numbers by pressing **OK/MENU**.
=>	This leads to surf history. Turn **TUNE** to select a web address and press **OK/MENU** to go to the website.
Go	Go to the website by pressing **OK/MENU**.
a|A	Toggle between upper and lower case letters by pressing **OK/MENU**.
◀ | ▶	Switch from the text wheel to the Address: field. Use **TUNE** to move the cursor and erase characters by pressing **EXIT**. Press **OK/MENU** to return to the text wheel. The number/letter keys on the center console can also be used to edit the Address: field.

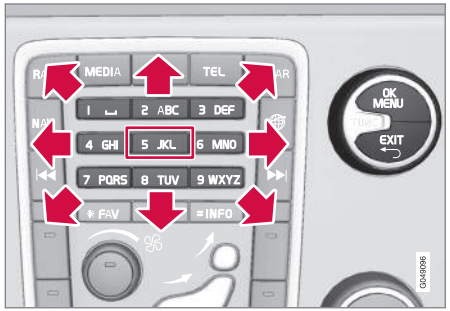
Press **EXIT** briefly to erase a single character. Press and hold **EXIT** to erase all characters.

Pressing a number key on the center console while the text wheel is displayed (see the previous illustration) will display a list of characters. Press the desired key repeatedly to enter the desired letter and continue to the next letter, etc.

To enter a number, press and hold the button.

Navigating in the web browser

Turn **TUNE** to navigate among links or to scroll on a web page. Press **OK/MENU** to activate the selection/link.



Moving the cursor on a web page

The buttons on the center console can be used to move the cursor on a web page.

A pop-up menu can be accessed by pressing button **5** on the center console or by moving

the cursor to a non-clickable area and pressing **OK/MENU**.

Functions

The available functions can be accessed by pressing button **5** on the center console or by moving the cursor to a non-clickable area and pressing **OK/MENU**.

- **Back** – Return to the previous page.
- **Forward** – If **Back** has been used, press forward to return to the page.
- **Reload** – Refresh the page.
- **Stop** – Stop loading a page.
- **New tab** – Creates a new tab/page. Up to 4 tabs can be open at the same time.
- **Close tab** – Close a tab/page.
- **Zoom in**/**Zoom out**.
- **Add bookmark**/**Delete bookmark** – Add or delete a bookmark. Up to 20 bookmarks can be saved.
- **Settings** – Adapt the way that the browser displays and handles information. See the following section for more information.

Settings

- **Bookmarks** – **Rename**, **Reorder** or **Delete**.
- **Content filtering** – Adapt the way in which web pages are displayed. The following can be activated/deactivated: **Show images**, **Block pop-ups** and **Enable JavaScript**.
- **Accept cookies** – Cookies are small text files that are stored and make it possible e.g., to use various functions on web pages and enable the page's owner to compile surf statistics.
- **Text size** – Change the size of the text: **Large**, **Medium** or **Small**.
- **Clear browsing data** – **Cookies, browsing history and cache will be cleared**.
- **FAV key options** – Certain functions can be programmed in the **FAV** button. The stored function can then be started by merely pressing **FAV**, see Favorites (p. 31).

Related information

- Web browser menus (p. 84)
- On-screen symbols (p. 30)
- Change of ownership (p. 11)

Infotainment menu overview

This is a general overview of the selections and settings that can be made in the infotainment system's menus.

If a menu text is grayed-out, this means that it cannot currently be selected. This may be because the function is not installed in the vehicle, that the source is not currently connected or is connected but is empty.

RADIO

- AM (p. 80)
- FM (p. 80)

MEDIA

- CD/DVD (p. 81)
- DVD Video (p. 81)
- iPod (p. 82)
- USB (p. 82)
- Media Bluetooth® (p. 83)
- AUX (p. 83)

TEL

- Bluetooth® hands-free (p. 84)

- Web browser (p. 84)

Related information

- Infotainment - operating the system (p. 26)

AM radio menus

The following is an overview of the settings that can be made for AM radio.

AM menu	See
Show presets	(p. 36)
FAV key options	(p. 31)
No function	
Show presets	(p. 36)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

FM radio menus

The following is an overview of the settings that can be made for FM radio.

FM menu	See
Alternative frequency	
Show	
Radio text	(p. 47)
Presets	(p. 36)
None	
Tune station by	(p. 35)
Station list	(p. 36)
Manual tuning	(p. 36)
FAV key options	(p. 31)
No function	
Toggle radio text or presets	(p. 47) and Preset radio stations (p. 36)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

Audio CD/DVD menus

The following is an overview of the settings that can be made for audio CDs/DVDs.

Disc menu	See
Play/Pause	(p. 48)
Stop [A]	
Media search	(p. 49)
Shuffle	(p. 49)
Gracenote® options	
Gracenote® database	
Gracenote® results	
FAV key options	(p. 31)
No function	
Play/Pause	(p. 48)
Shuffle	(p. 49)

A DVDs only.

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

Video DVD menus

The following is an overview of the settings that can be made for video DVDs.

DVD video menu	See
Play/Pause	(p. 50)
DVD disc menu	(p. 50)
Stop	(p. 50)
Subtitles	(p. 50)
Audio tracks	(p. 50)
Advanced settings	
Angles	(p. 51)
Screen ratios	
FAV key options	(p. 31)
No function	
Play/Pause	(p. 50)

Next subtitle	(p. 50)
Next audio track	(p. 50)

Video DVD pop-up menu Press**OK/MENU** while a video is playing to access the pop-up menu.	
Image settings	(p. 52)
Video DVD menu	(p. 26)
DVD disc menu	(p. 50)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

iPod® menus

The following is an overview of the settings that can be made for an iPod®.

iPod menu	See
Play/Pause	(p. 53)
Shuffle	(p. 49)
FAV key options	(p. 31)
No function	
Play/Pause	(p. 53)
Shuffle	(p. 49)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

USB menus

The following is an overview of the settings that can be made for USB.

USB menu	See
Play/Pause	(p. 53)
Media search	(p. 49)
Shuffle	(p. 49)
Select USB partition	
FAV key options	(p. 31)
No function	
Play/Pause	(p. 53)
Shuffle	(p. 49)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

Media Bluetooth® menus

The following is an overview of the settings that can be made for Media Bluetooth®.

Bluetooth menu	See
Play/Pause	(p. 55)
Shuffle	(p. 49)
Change device	(p. 60)
Search new device	
Make car discoverable	
FAV key options	(p. 31)
No function	
Play/Pause	(p. 55)
Shuffle	(p. 49)
Device 1 Device 2 etc.	
Connect for media	(p. 55)
Delete device	(p. 61)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

AUX menus

The following is an overview of the settings that can be made for AUX.

AUX menu	See
AUX input	(p. 55)
Standard	
Boost	

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

Bluetooth® hands-free menus

The following is an overview of the settings that can be made for the Bluetooth® hands-free function.

Phone menu	See
Call list	(p. 63)
Contacts	(p. 64)
Messages	(p. 61)
Message notifications	(p. 61)
Change phone	(p. 60)
Search new phone	
Make car discoverable	
Device 1 Device 2 etc.	
Connect for phone	(p. 61)
Delete device	(p. 61)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

Web browser menus

The following is an overview of the settings that can be made for the web browser.

Web browser This menu is displayed in the normal view if no tab is open.	See
Enter address	(p. 77)
Settings Displays the web browser's settings menu, see below.	
Bookmark 1 **Bookmark 2** **etc.**	(p. 77)

Browser pop-up menu Press key **5** on the center console while a website is displayed to access the pop-up menu.	See
Back	(p. 77)
Forward	(p. 77)
Reload	(p. 77)

Stop	(p. 77)
New tab	(p. 77)
Close tab	(p. 77)
Zoom in or **Zoom out**	(p. 77)
Add bookmark or **Delete bookmark**	(p. 77)
Settings Displays the web browser's settings menu, see below.	

Web browser settings menu Press **Settings** in one of the two menus above to access the settings menu.	**See**
Bookmarks	(p. 77)
Bookmark 1 Bookmark 2 etc.	
Rename	
Reorder	
Delete	
Content filtering	(p. 77)
Accept cookies	(p. 77)
Show images	
Block pop-ups	
Enable JavaScript	
Text size	(p. 77)
Large	
Medium	
Small	
Clear browsing data	(p. 77)

FAV key options	(p. 31)
No function	
Add/delete bookmark	(p. 77)
New tab	(p. 77)
Close tab	(p. 77)

Related information

- Infotainment - operating the system (p. 26)
- Infotainment menu overview (p. 79)

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Type approval

The following is a declaration of conformity.

Wi-Fi

Declaration of Conformity for the audio and navigation systems

Declaration of Conformity

Mitsubishi Electric Corporation Sanda Works
2-3-33, Miwa, Sanda-city, Hyogo, 669-1513 Japan

We declare, at our sole responsibility, that the following product conforms to the Essential Requirements of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC in accordance with the tests conducted to the appropriate requirements of the relevant standards, as listed herewith.

Product :	Audio Navigation Unit	
Model/Type Number :	NR-1V	
Directive and Stendards used :	Radio :	EN 300 328 V1.7.1 :2006-10 EN 300 440-1 V1.6.1 :2010-08 EN 300 440-2 V1.4.1 :2010-08
	EMC :	EN 301 489-1 V1.9.2 :2011-09 EN 301 489-3 V1.4.1 :2002-08 EN 301 489-17 V2.1.1 :2009-05
	Safety :	IEC 60950-1:2005 (Second Edition) + Am 1:2009 EN 60950-1 : 2006+A11:2010+A11:2009+A12:2011

The authorized signatory to this declaration :

Date: 17th July 2013

Signature:
Name: **Kazuhito Funae**
Title: Manager,
Mitsubishi Electric Corporation Sanda Works
Address: 2-3-33, Miwa, Sanda-city, Hyogo, 669-1513, Japan

The responsible person based within the EC :

Date: 14th July 2013

Signature:
Name: **Jan Billig**
Title: General Manager,
Mitsubishi Electric Automotive Europe,B.V.
Swedish Branch, Technical Center
Address: Ostra Eriksbergsgatan 38, SE41878 Gothenburg, Sweden

G051358

04

INTERNET MAP

Internet map

This feature makes it possible to display map and route information.

The system can calculate a suitable route and indicate your vehicle's position in relation to the route on the map. If you deviate from your planned route, the system automatically recalculates the route and guides you to your destination. In addition to map information, symbols for selected points of interest (POI) (p. 96) will also be displayed.

This feature will not function in areas where the vehicle is unable to connect to the Internet.

If the Internet connection is weak or is interrupted, route calculation will not function correctly and certain map scales may not be available, depending on the amount of map information that was buffered before the connection was broken.

Volvo offers a full-scale navigation system (Sensus Navigation) that utilizes harddisk-based maps, voice guidance, advanced route calculation including traffic information, Internet search functionality and the capacity to select intermediate destinations. Contact your Volvo retailer to upgrade to Sensus Navigation. This upgrade will replace Internet map.

Internet map provides information that guides you to your destination. However, all of the recommended guidance is not always reliable, since situations may arise that are outside the capacity and judgement of the navigation system, such as sudden changes in the weather.

WARNING

- Always use good judgment when following navigation system guidance, and do not follow guidance that seems contrary to your own best judgment.
- Never use the navigation system or any other feature in your vehicle in a way that distracts you from the task of driving safely. Distraction can lead to a serious accident.
- Set and make changes in your navigation system only with the vehicle parked.
- Be aware of the current traffic situation.
- Always comply with relevant traffic regulations.
- Due to weather conditions or time of year affecting the road conditions, some recommendations may be less reliable.

Related information

- Internet map – on-screen text and symbols (p. 93)

Using Internet map

This article describes the procedure for starting Internet map, planning a route and starting guidance to your destination.

See operating instructions and using menus (p. 26). Characters are entered using either the text wheel or the center console keypad (p. 92) are used to enter text .

1. The vehicle must be connected to the Internet(p. 72).
2. Press the **NAV** button on the center console to start Internet map.
3. Accept position sharing about the vehicle's position.

NOTE

Internet map cannot function if position sharing has not been accepted.

To turn position sharing off, from the source's normal view, press **OK/MENU**, select **Settings** and deselect **Position sharing**.

4. Select a destination (p. 95).
5. Select route options (p. 98) (e.g., type of road, tunnels, ferries, etc.)

6. Select map options (p. 99) (e.g., full-screen, map colors, position information etc.)
   > The vehicle's location and any selected points of interest will be shown on the map.

Show the remaining route

From the source's normal view, for an overview of your route, press **OK/MENU** and select **Route ➔ Map of remaining route**.

Show detailed route information (p. 97).

Change destination

Change destinations by selecting a new destination (p. 95).

Cancel/resume guidance

From the source's normal view, to cancel or resume guidance, press **OK/MENU** and select **OK/MENU** and select **Cancel/Resume guidance**.

Change of ownership

When the vehicle changes owners, it is important that user data and system settings be returned to the original factory settings, see Change of ownership (p. 11).

Internet map – entering text

Use the on-screen text wheel or the center console keypad to enter text such as an address or a point of interest.

Screen view showing the free-text field

The Internet map system uses a text wheel for entering various types of information.

Activating a selection

When the desired function/menu selection has been chosen by turning the **thumb wheel** on the steering wheel keypad or **TUNE** on the center console control panel, press the **thumb wheel/OK/MENU** to display the function/menu's next level.

Entering characters

The text wheel

1. Mark (highlight) a text field.
2. Press **OK/MENU** to display the text wheel.
3. Select a character with the **thumb wheel/TUNE** and enter it by pressing the **thumb wheel/OK/MENU**.

Center console keypad

Center console keypad

The center console keypad **0**–**9**, ***** and **#** can also be used to enter characters.

For example, press **9**[1] to display all of the characters that can be entered by pressing this key, which can be for example: **w**, **x**, **y**, **z** and **9**. Press the button briefly to move the cursor to each available character.

- Stop on the desired character to select it and it will appear in the text field.
- Delete or cancel with **EXIT**.

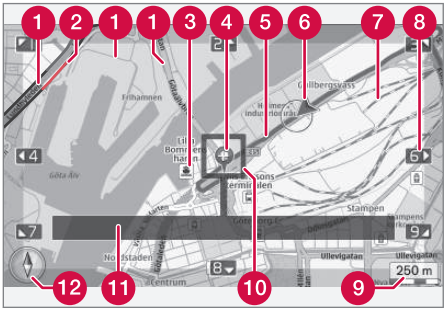
Other characters

The inset menu in the text wheel below shows other special characters or numbers.

- Select **More** + **OK/MENU** to access the text wheel for special characters.
- **123** + **OK/MENU**: numbers are displayed in the wheel.
- **=>** + **OK/MENU**: the cursor moves to the list at the right of the screen. Selections can be made here by pressing **OK/MENU**.

Internet map – on-screen text and symbols

This article provides an explanation of the text and symbols used on the screen.



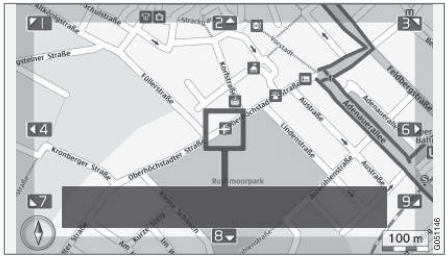
1. Type of road (size and color vary according to the size of the road and the map scales/colors being used)
2. Traffic information (p. 99): indicated by a line by the side of the road
3. Point of interest (POI) (p. 96)
4. Symbol for final destination
5. Planned route (blue)
6. Vehicle's current location
7. Railroad

[1] The characters for each respective key may vary, depending on the language selected and the market

8. Keys (on the center console keypad) for scrolling/moving the map in the directions indicated by the arrows
9. Map scale
10. Magnifier and crosshairs
11. Name of the current road/street, coordinates or information about a point of interest (POI)
12. Compass (p. 99)

Internet map – scroll menu

The Scroll menu makes it possible to move the crosshairs across the map using the center console keypad.



Map scroll with crosshairs[2].

Activating map scroll when the map is displayed

- Press one of the number keys (**0**–**9**) on the center console.

Scrolling

- Press one of the following number keys (**1**-**2**-**3**-**4**-**6**-**7**-**8**-**9**): an arrow indicating the scrolling direction will be displayed in the margins combined with the number key to be used to scroll in the desired direction.

Zooming in/out

- Turn **TUNE**.

Key no. "5"

5 JKL In Map scroll mode, pressing key **5** centers the map around the vehicle's position.

Exiting the Scroll menu

- Press **EXIT** or **NAV**.

The crosshairs

Pressing **OK/MENU** displays a menu for the point on the map that the crosshairs are currently pointing to, containing:

- **Set single destination**: deletes any previous destinations and starts guidance on the map.
- **POI information**: shows the name and address for the POI closest to the crosshairs. For additional information about POIs, see (p. 96).

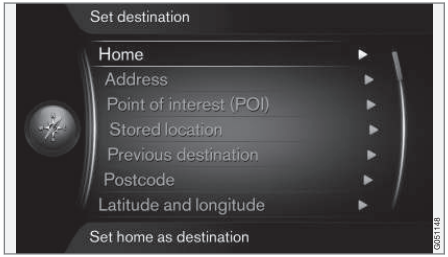
[2] You can decide if the crosshairs' position on the map shows the location's name or GPS coordinates, see map options (p. 99).

- **Information**: displays relevant information about the marked position.
- **Save**: makes it possible to store the marked position in the system's memory.

Internet map - select destination

Plan a trip by selecting a destination.

From Internet map's normal view, press **OK/MENU** to display the following screen and select **Set destination**.



Home

The system can store the location of your choice under **Home**. This function is displayed each time a location is saved:

- **Save location as home**. Press **OK/MENU**.

To activate guidance when the destination is set as **Home**:

- Scroll to **Home**and press **OK/MENU**.

Address

It is only necessary to specify a town/city to set a route with guidance. You will be guided to the center of the town/city.

The following criteria can be used to search for a destination using its address:

- **Country:**
- **City:**
- **Street:**
- **Number:**

Points of interest (POI)

It is possible to search for a POI using any of the following alternatives:

- **By name**
- **By category**
- **Around the car**
- **Near the destination**
- **Around point on map**

To help make the map easier to read, the number of POIs displayed at the same time is restricted. Zoom in on an area to display additional POIs.

For information about other POI display options, see Map options(p. 99).

See (p. 96) for a list of the POI symbols used on the map.

Stored location

This provides a list of destinations that have been stored.

Each stored destination can be edited using:

- Set single destination
- Edit
- Delete
- Delete all.

Previous destination

This provides a list of previously set destinations. Mark by pressing **OK/MENU** and choose among:

- Set single destination
- Information
- Save
- Delete
- Delete all.

Zip code (postcode)

Search for a destination using its zip code.

Latitude and longitude

Specify a destination using its GPS coordinates.

Begin by deciding how the GPS coordinates are to be displayed by scrolling to **Format:** and pressing **OK/MENU**. Scroll to one of the following alternatives and press**OK/MENU**:

- **DD°MM'SS''**: position in Degrees, Minutes and Seconds.
- **Decimal**: the position shown using decimals.

Continue by entering the coordinates and select one of the following:

- Set single destination
- Save.

Position on the map

This displays the map with the current location marked by the crosshairs.

- Turn **TUNE** to change the map scale.

1. Move the crosshairs using the number keys: [**6 MNO**] to move to the right, **8 TUV**] to move downward, etc., see also (p. 94).
2. When you have moved to the desired position on the map, press **OK/MENU**.

Select one of the following and press **OK/MENU**:

- Set single destination
- Save

Related information

- Using Internet map (p. 91)
- Internet map – entering text (p. 92)

Internet map – symbols for points of interest (POI)

The following table shows the symbols used to indicate various points of interest (POI).

	Restaurant
	Theater Music Culture
	Dancing Nightclub
	Movie theater
	Casino
	Museum
	Landmark Tourist attraction
	Church/place of worship
	Airport
	Railroad station/commuter train station

	Public transportation/mass transit
	Ferry terminal
	Taxi station
	Hotel/lodging
	Shopping center/mall
	Business/service center
	ATM Bank
	Police Emergency ward
	Post office
	Tourist information
	Gas station
	Car rental
	Car repairs
	Facilities

	Hospital Medical care clinic
	Library
	Conference/exhibition center
	Parking lot/garage
	Public restrooms
	Sport complex Playing fields
	Outdoor/recreational activities
	Amusement park

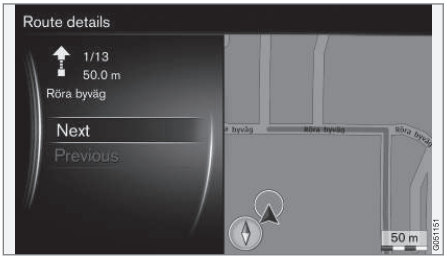
Related information

- Internet map - select destination (p. 95)

Internet map - detailed route information

This view shows all of the exits, intersections, etc., along your route.

To display detailed route information, press **OK/MENU** in the source's normal view and select **Route** ➔ **Detailed route information**.



Detailed route information

The entire route to your destination consists of a number of different sections of road, including straightaways, exits, intersections, road entrances, etc. Scroll among the various sections by selecting **Next/Previous**. The location on the map, description, distance and points of interest will be displayed.

Related information

- Internet map – route options (p. 98)
- Internet map – symbols for points of interest (POI) (p. 96)

Internet map – overview of the remaining route

This feature provides an overview of the remainder of your current route.

To display the remaining section of your route, in the source's main menu, press **OK/MENU** and select **Route** ➔ **Map of remaining route**.

See also information about the scroll menu (p. 94).

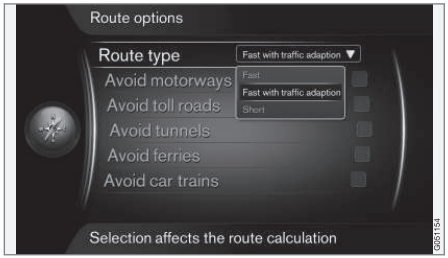
Related information

- Internet map - select destination (p. 95)

Internet map – route options

Route options enable you to specify the type of roads that your route will follow.

Route type



From Internet map's normal view, press **OK/MENU** and select **Settings** ➔ **Route options** ➔ **Route type** to display the options for route type.

Make a selection and confirm by pressing **OK/MENU**.

- **Fast with traffic adaption**: the shortest travel time on roads with the fewest traffic tie-ups.
- **Fast**: the shortest travel time is prioritized.
- **Short**: the most direct route is prioritized. The route may include secondary roads.

Customize your route

From Internet map's normal view, press **OK/MENU** and select **Settings** ➔ **Route options** to customize your route.

To select a route that avoids one or more of the options displayed, highlight the option and press **OK/MENU**.

- **Avoid highways**
- **Avoid toll roads**
- **Avoid tunnels**
- **Avoid ferries**
- **Avoid car trains**

NOTE

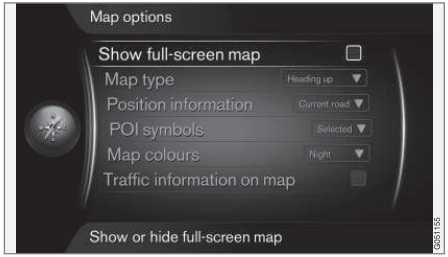
- If a route has already been set when one or more of these alternatives are changed, there may be a slight delay in guidance as the system recalculates the route.
- If the system has been set to avoid toll roads, highways, etc., roads of this type will only be used when there are no other alternatives.

Related information

- Internet map - select destination (p. 95)

Internet map – map options

The following illustration shows the various map view options.



The illustration is generic - not all of the options shown are available on all markets

Full-screen map

From the source's normal view, to see the map on the entire screen, press **OK/MENU** on the center console[3] and select **Settings ➔ Map options ➔ Show full-screen map**.

You can also scroll to this alternative on the screen and press **OK/MENU** to show the map on the entire screen. Other information that is normally displayed at the top and bottom of the screen (temperature, etc.) will not be visible while the map is in full-screen mode.

Map type

From the source's normal view, to set the way in which the vehicle's direction is shown on the map, press**OK/MENU** and select **Settings ➔ Map options ➔ Map type**.

Confirm by pressing **OK/MENU**.

- **North up**: North is always at the top of the screen. The "car" symbol moves on the screen according to the vehicle's current direction.
- **Map heading up**: The "car" symbol remains at the center of the screen and points upward. The map rotates under the car symbol depending on the turns in the road.
- **3D Heading up**: Same as **Map heading up** but a 3D version of the map is displayed. The display varies depending on the degree of zoom.

Position information

From the source's normal view, to display information about the vehicle's current position, press**OK/MENU** and select **Settings ➔ Map options ➔ Position information**.

Confirm by pressing **OK/MENU**.

- **Current road**: The name of the road where the vehicle/cursor is located will be displayed.
- **Lat/Long**: The map coordinates of the vehicle's current location will be displayed.
- **None**: No information of this type will be displayed.

POI (Points of Interest) symbols

From the source's normal view, to display the POIs to be displayed on the map, press **OK/MENU** and select **Settings ➔ Map options ➔ POI symbols**.

Select the POIs to be shown on the map here. Confirm by pressing **OK/MENU**.

- **Default**: The POIs chosen using **Selected** will be displayed.
- **Selected**: Turn **TUNE** on the center console to scroll to each POI to be displayed. Confirm by pressing **OK/MENU**.
- **None**: No POIs will be displayed.

For an example of POIs, see Internet map – symbols for points of interest (POI) (p. 96).

Map colors

From the source's normal view, to select map colors, press **OK/MENU** and select **Settings ➔ Map options ➔ Map colors**.

Confirm by pressing **OK/MENU**.

[3] In all cases in this article, you can also press the thumb wheel on the steering wheel keypad or turn the thumb well to scroll.

- **Automatic**: A sensor monitors the amount of ambient light and automatically adjusts the screen.
- **Day**: Enhanced color and contrast for daylight conditions.
- **Night**: Color and contrast are adjusted for best visibility in dark ambient lighting conditions.

Traffic information on the map[4]

The sides of the roads on the map for which traffic information is available are marked in green, yellow or red.

- Green: traffic is moving freely
- Yellow: slow moving traffic
- Red: traffic jam or accident

From the source's normal view, to display traffic information, press **OK/MENU** and select **Settings** ➔ **Map options** ➔ **Traffic on map**.

[4] Not available on all markets

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