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## SENSUS INFOTAINMENT SYSTEM

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# NR-0V Owner's Manual

*“CAUTION!!”*

*THIS IS NOT FINAL VERSION.*

*THE CONTENTS WILL BE CHANGED.*



## DEAR VOLVO OWNER

THANK YOU FOR CHOOSING VOLVO

We hope you will enjoy many years of driving pleasure in your Volvo. The car has been designed for the safety and comfort of you and your passengers. Volvo is one of the safest cars in the world. Your Volvo has also been designed to satisfy all current safety and environmental requirements.

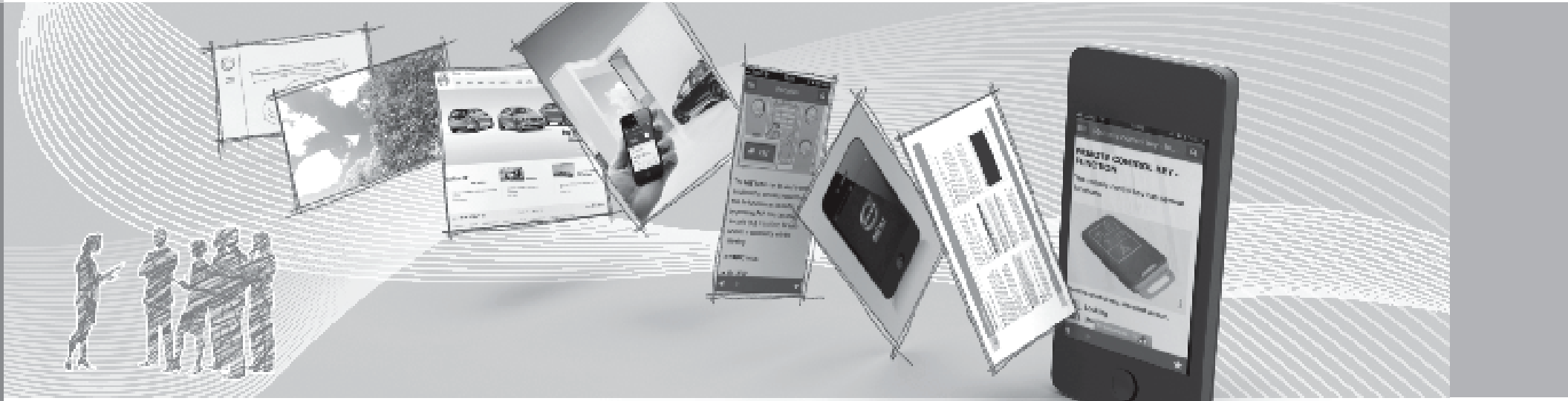
In order to increase your enjoyment of the car, we recommend that you familiarise yourself with the equipment, instructions and maintenance information contained in this owner's manual.



# 01

Language-Variant: en-GB  
Platform: unassigned

## GENERAL INFORMATION



Name: Melco-Supplement  
Version: 1  
PDF extracted: 2013-06-24T16:15:32.296+02:00



## Introduction

*This supplement is a supplement to the normal owner's manual for the car.*

In the event of uncertainty regarding any of the car's functions, consult the owner's manual in the first instance. For answers to additional questions it is recommended to contact a dealer or a representative of Volvo Car Corporation.

The specifications, design features and illustrations in this supplement are not binding. We reserve the right to make modifications without prior notice.

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## Owner's Manual in mobile devices



### **i** NOTE

The owner's manual is available for download as a mobile application (applies for certain car models and mobile devices), see [www.volvocars.com](http://www.volvocars.com).

The mobile application also includes video and searchable content and easy navigation between different sections.

## Volvo Sensus

*Volvo Sensus is the heart of your personal Volvo experience. It is Sensus that provides information, entertainment and functions to simplify your ownership.*



When you are sitting in your car you want control, and in today's interconnected world, this includes information, communication and entertainment when it is most suitable for you. Sensus covers all our solutions that enable connection\* to the outside world, at the same time providing you with intuitive control over all the car's capabilities.

Volvo Sensus combines and presents many functions in several of the car's systems on the centre console's display screen. With Volvo Sensus the car can be personalised by means of an intuitive user interface. Settings can be made in Car settings, Audio and media, Climate control, etc.

With the centre console buttons and controls or the steering wheel's right-hand keypad\*


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



# 01 General information

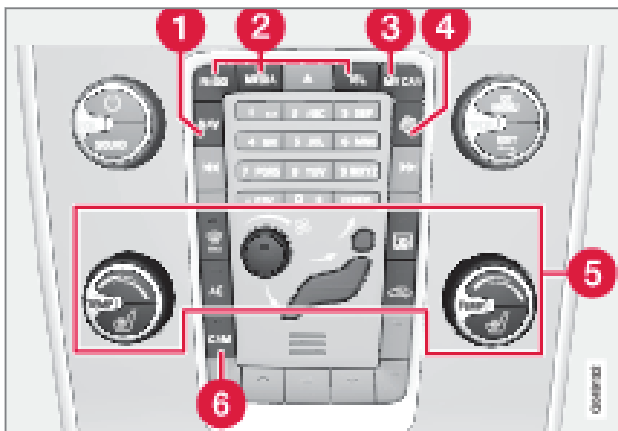
functions can be activated or deactivated and many different settings can be made.

With a press on **MY CAR** all settings related to the driving and control of the car are presented, such as City Safety, locks and alarm, automatic fan speed, setting the clock, etc.

With a press on the respective function **RADIO, MEDIA, TEL\***, , **NAV\*** and **CAM\*** other sources, systems and functions can be activated, e.g. AM, FM, CD, DVD\*, TV\*, Bluetooth\*, navigation\* and park assist camera\*.


For more information about all functions/systems, see the relevant section in the owner's manual or its supplement.

## Overview



Centre console control panel. The figure is schematic - the number of functions and layout of the

buttons both vary, depending on the equipment selected and the market.

- 1** Navigation\* - **NAV**, see separate supplement (Road and Traffic Information System - RTI).
- 2** Audio and media - **RADIO, MEDIA, TEL\***, see the relevant section in this supplement.
- 3** Car settings - **MY CAR**, see see page 13.
- 4** Internet-connected car - , see separate supplement (Sensus Infotainment).
- 5** Climate control system, see the Owner's Manual.
- 6** Park assist camera - **CAM\***, see the Owner's Manual.

## Owner's manual in the car

The owner's manual can be read on the screen in the car<sup>1</sup>. The content is searchable and it is easy to navigate between different sections.

Open the owner's manual - press the **MY CAR** button in the centre console and select **Owner's manual**.

There are four options for finding information in the owner's manual:

- **Search** - Search function for finding an article.
- **Categories** - All articles sorted into categories.
- **Alphabetical index** - All articles in the owner's manual in an alphabetical index.
- **Favourites** - Quick access to favourite-bookmarked articles.

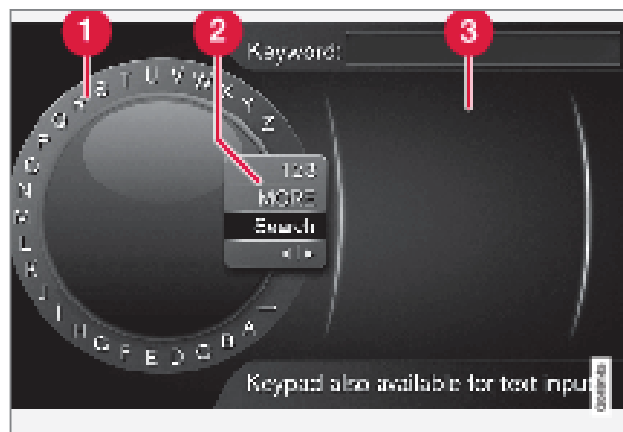
**i NOTE**

The owner's manual is not available while driving.

<sup>1</sup> Applies to certain car models.



## Search



Searching using the daisy wheel.

- 1 Character list.
- 2 Changing the input mode (see following table).
- 3 Search results.

Use the daisy wheel to enter a search term, e.g. "seatbelt".

1. Turn **TUNE** to the desired letter, press **OK/MENU** to confirm. The number and letter buttons on the control panel in the centre console can also be used.
2. Continue with the next letter and so on.
3. To change the input mode to numbers or special characters, or to go to the search results, turn **TUNE** to one of the options (see explanation in the following table) in

the list for changing the input mode (2), press **OK/MENU**.

/ABC	Change between letters and numbers with <b>OK/MENU</b> .
MORE	Change to special characters with <b>OK/MENU</b> .
⇒	Leads to the search results (3). Turn <b>TUNE</b> to select a search result article, press <b>OK/MENU</b> to go to the article.

## Categories

XX ILLUSTRATION OF CATEGORY TREE HERE

The articles in the owner's manual are structured into main categories and subcategories. The same article can be in several appropriate categories in order to be found more easily.

Turn **TUNE** to navigate in the category tree and press **OK/MENU** to open a category - selected - or article - selected . Press **EXIT** to go back to the previous view.

## Alphabetical index

Here, all the articles in the owner's manual are sorted in alphabetical order.

Turn **TUNE** to navigate in the alphabetical index and press **OK/MENU** to open a letter/

article. Press **EXIT** to go back to the previous view.

## Favourites

XX TBD

## Navigating in an article

Turn **TUNE** to navigate between the links or scroll in an article. Press **OK/MENU** to go to the highlighted link. Press **EXIT** to go back to the previous view.

When the screen has scrolled to the start/end of an article the **Fav** and **Home** options are reached by scrolling a further step up/down. The start page for the owner's manual is reached with **Home** selected and a press on **OK/MENU**. The article is added to favourites with **Fav** selected and a press on **OK/MENU**, see previous heading.

## Owner's Manual in mobile devices





## NOTE

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The mobile application also includes video and searchable content and easy navigation between different sections.

### Related information

- Information on the Internet - see page 11

### Change of owner

*At a change of owner it is important to reset all user data and system settings to the original factory settings.*

To restore factory settings, select → **Settings → Reset to factory settings.**

All user data is reset (e.g. for apps, web browser) and all settings in all menus (for example climate settings, vehicle settings) receive the original factory settings.

For cars with Volvo On Call\* the subscription information stored in the cars is cleared. To terminate the subscription, see see page 10.

### Related information

- MY CAR - menu options - see page 14

### Change of ownership for cars with Volvo On Call\*

*If the car is equipped with Volvo On Call\* and there is a change of owner, it is very important that these services are discontinued so that the former owner cannot access the services in the car.*

Volvo On Call\* is a supplemental service that consists of safety, security and comfort services. If the car has Volvo On Call\* and there is a change of owner, it is very important that these services are discontinued so that the former owner cannot access the services in the car. Contact a Volvo dealer in the event of a change of ownership.

At a change of owner it is important to reset all user data and system settings to the original factory settings in the car, see see page 10.

### Related information

- Information on the Internet - see page 11





## Information on the Internet

At [www.volvocars.com](http://www.volvocars.com) there is further information concerning your car.



QR code

A QR code reader is required to read the QR code, which is available as a supplemental program (app) for several mobile phones. The QR code reader can be downloaded from e.g. App Store, Windows Phone or Google Play.

### My Volvo ID

My Volvo ID is your personal account that can give you access to diverse services<sup>2</sup>, such as:

- My Volvo web - your personal website for you and your car.
- Internet connected car\* - certain functions and services require that you have registered your car to a personal My Volvo ID, for example to be able to send a new address from a map service on the internet directly to the car.
- If the car is equipped with Volvo On Call\* certain services can be managed.

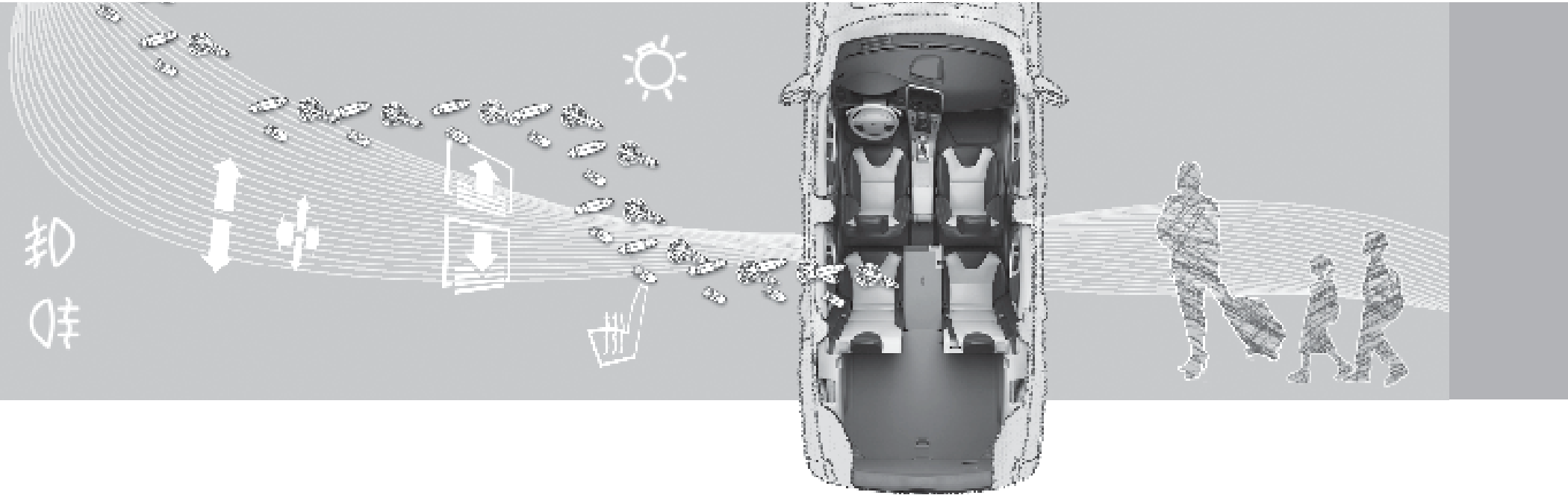
<sup>2</sup> The services available may vary over time and vary depending on equipment level and market.



# 02

Language-Variant: en-GB  
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## MY CAR



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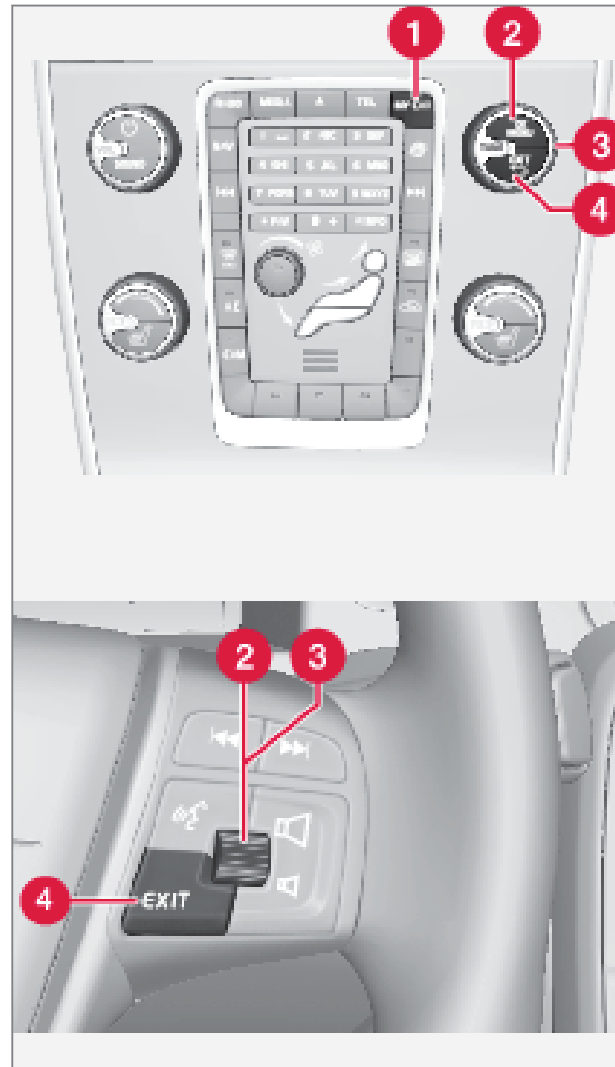
## MY CAR

*MY CAR is a menu source that handles many of the car's functions, e.g. City Safety, locks and alarm, automatic fan speed, setting the clock, etc.*

Certain functions are standard, others are optional - the range also varies depending on the market.

### Operation

Navigation in the menus is carried out using buttons in the centre console or with the steering wheel's right-hand keypad.



**1 MY CAR** - opens menus under **MY CAR**.

**2 OK/MENU** - press the button in the centre console or the thumbwheel on the

steering wheel to select/tick in the highlighted menu option or store the selected function in the memory.

**3 TUNE** - turn the knob in the centre console or the thumbwheel on the steering wheel to scroll up/down through the menu options.

**4 EXIT**

### EXIT functions

Depending on the function the cursor is on when **EXIT** is pressed, and on the menu level, one of the following may occur:

- phone call is rejected
- current function is interrupted
- input characters are deleted
- most recent selections are undone
- leads up in the menu system.

Short and long press may produce varying results.

A long press leads to the highest menu level (main source view), from where all of the car's functions/menu sources can be accessed.

## MY CAR - search paths

*MY CAR is a menu source that handles many of the car's functions, e.g. setting the clock, door mirrors and locks.*

Current menu level is shown at the top of the centre console's screen. The search paths to the menu system's functions are specified on the form:

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

The following is an example of how a function can be accessed and adjusted using the steering wheel keypad:

1. Press the centre console button **MY CAR**.
2. Press the thumbwheel.
3. Scroll to the desired menu, e.g. **Settings**, with the thumbwheel and then **press** the thumbwheel - a submenu opens.
4. Scroll to the desired menu, e.g. **Vehicle settings** and press the thumbwheel - a submenu opens.
5. Scroll to **Lock settings** and press the thumbwheel - a new submenu opens.

6. Scroll to **Doors unlock** and press the thumbwheel - a drop-down menu containing selectable options opens.
7. Scroll between the options **All doors** and **Driver door**, then **all** with the thumbwheel and press the thumbwheel - the option is selected.
8. Exit the programming by backing out of the menus incrementally with short presses on **EXIT** or with one long press.

The procedure is the same as for the centre console controls 13: **OK/MENU**, **EXIT** and the **TUNE** knob.

### Related information

- MY CAR - see page 13
- MY CAR - menu options - see page 14

## MY CAR - menu options

*MY CAR is a menu source where many of the car's functions can be handled, e.g. setting the clock, door mirrors and locks.*

The following options are available in menu source :

- **My S60<sup>1</sup>**
- **Trip statistics**
- **DRIVE<sup>2</sup>/Hybrid<sup>3</sup>**
- **Tyre pressure**
- **Settings**
- **Owner's manual**

### My S60<sup>1</sup>

→ My S60<sup>1</sup>

The screen shows a grouping of all of the car's driver support systems - these can be activated or deactivated here.

### DRIVE<sup>2</sup>

→ DRIVE

Parts of the Volvo DRIVE concept are described here, among other things. Select between the following headings:

- **Start/Stop**

<sup>1</sup> Depending on car model.

<sup>2</sup> Applies to the S60, V60 and XC60.

<sup>3</sup> Applies to the V60 Plug-in Hybrid.



Here there is information about the Start/ Stop function.

- **ECO driving guide**

Available here are tips, advice and a description of the meaning of economical driving.

### Hybrid<sup>3</sup>

#### → Hybrid

Available here is information on the car's drive systems. Select between the following headings:

- **Power flow**

The screen shows whether the motor or engine is driving the car and how the motive force is flowing.

- **Driving modes**

The car's different drive modes are explained.

- **ECO driving guide**

Available here are tips, advice and a description of the meaning of economical driving.

### Travel statistics

#### → Trip statistics

The screen shows the history as a bar chart with average consumption of electricity<sup>3</sup> and fuel.

### Settings

#### → Settings

The menus are structured as follows:

#### Menu level 1

#### Menu level 2

Menu level 3

Menu level 4

Shown here are the 4 first menu levels under **Settings**. Certain functions are standard, others are optional - the range also varies depending on the market.

When selecting whether a function should be activated/**On** or deactivated/**Off** a square is displayed:

**On:** Selected square.

**Off:** Empty square.

- Select **On/Off** with **OK** - then back out of the menu with **EXIT**.

### Menus

- **Vehicle settings**, see see page 16
- **Driving support system**, see see page 18
- **System options**, see see page 19

- **Voice control settings**, see see page 20
- **Climate settings**, see see page 21
- **Internet settings**, see see page 22
- , described in a separate manual.
- **FAV key options** - link a normally used function in MY CAR to **FAV** button, see see page 31
- **Information**, see see page 22
- **Reset to factory settings** - all user data is reset and all settings in all menus receive the factory settings.

### Related information

- MY CAR - see page 13
- MY CAR - search paths - see page 14

<sup>3</sup> Applies to the V60 Plug-in Hybrid.



# 02 MY CAR

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## MY CAR - vehicle settings

The vehicle settings menu option in the MY CAR menu source handles many of the car's functions, e.g. car key memory and lock settings for doors.

<b>Vehicle settings</b>
<b>Car key memory</b>
On
Off
<b>Lock settings</b>
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

<b>Lock settings</b>
Audible confirmation
On
Off
Door lock confirmation light
On
Off
Unlock confirmation light
On
Off
<b>Reduced Guard</b>
Activate reduced guard
On
Off
Ask when exiting
On
Off
<b>Side mirror settings</b>

Fold mirrors when locking
On
Off
Tilt left mirror on reverse gear
On
Off
Tilt right mirror on reverse gear
On
Off
<b>Light settings</b>
Interior light
Floor lights
Ambiance lights
Ambiance colours
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
Temporary LH traffic	On
	Off
or	
Temporary RH traffic	On
	Off

Active Bi-Xenon lights	On
	Off
Auxiliary Lights	On
	Off
Active main beam	On
	Off
Cornering light	On
	Off
<b>Tyre pressure</b>	
<b>Calibrate tyre pressure</b>	
<b>Tyre monitoring</b>	On
	Off

**Steering force level**

Low  
Medium  
High

**Reset vehicle settings**

All menus in **Vehicle settings** are given original factory settings.

**Related information**

- MY CAR - see page 13
- MY CAR - System options - see page 19
- MY CAR - driving support system - see page 18
- MY CAR - Voice settings - see page 20
- MY CAR - Internet settings - see page 22
- MY CAR - Climate settings - see page 21
- MY CAR Information - see page 22



# 02 MY CAR

## MY CAR - driving support system

Driving support systems menu option in the MY CAR menu source handles functions such as e.g. Collision warning system and Lane keeping aid.

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<b>Driving support system</b>
<b>Collision warning</b>
Collision warning
On
Off
Warning distance
Short
Normal
Long
Warning sound
On
Off

Lane Departure Warning
On
Off
On at startup
On
Off
Increased sensitivity
On
Off
<b>Lane Keeping Aid</b>
Lane keeping aid
On
Off
Assistance mode
Full function
Steering assist only
Vibration only
<b>Road sign information</b>

Road sign information
On
Off
Speed alert
On
Off
<b>DSTC</b>
On
Off
On
Off
On
Off





On  
Off

On  
Off

### Related information

- MY CAR - see page 13
- MY CAR - vehicle settings - see page 16
- MY CAR - System options - see page 19
- MY CAR - Voice settings - see page 20
- MY CAR - Internet settings - see page 22
- MY CAR - Climate settings - see page 21
- MY CAR Information - see page 22

## MY CAR - System options

The system settings menu option in the MY CAR menu source handles functions such as e.g. time and languages.

### System options

#### Time settings

24 hour clock

On

Off

Summer time

Auto

On

Off

Auto time

On

Off

Location

The combined instrument panel's clock is adjusted here.

### Language

Selects language for menu texts.

### Language: Driver display

Selects language for texts in the combined instrument panel.

### Distance and fuel units

#### Temperature unit

Celsius

Fahrenheit

Selects the unit for the display of outside temperature and setting of the climate control system.

#### Screen saver

On

Off

The display screen's current content fades out after a period of inactivity and is replaced by a blank screen if this option is selected.

The current screen content returns if any of the display screen's buttons or controls are actuated.



## Show help text

- On
- Off

Explanatory text for the display screen's current content is shown with this option selected.

## Reset system options

All menus in **System options** are given original factory settings.

## Related information

- MY CAR - see page 13
- MY CAR - vehicle settings - see page 16
- MY CAR - driving support system - see page 18
- MY CAR - Voice settings - see page 20
- MY CAR - Climate settings - see page 21
- MY CAR - Internet settings - see page 22
- MY CAR Information - see page 22

## MY CAR - Voice settings

*The voice settings menu option in the MY CAR menu source manages functions such as voice tutorial and command list for voice recognition.*

### Voice control settings

#### Tutorial

Spoken information is given here about how the system works.

#### Command list

- Global commands
- Navigation commands
- Radio commands
- Media commands
- Phone commands

The menu options show several examples of available voice commands.

#### User setting

- Default
- Trained user

Here there is an option to select your voice profile. **Default** gives the factory setting.

## Speaker adaptation

With **Speaker adaptation** the voice recognition system is taught to recognise the driver's voice and pronunciation. A number of phrases are presented on the screen for the driver to read aloud. When the system has learnt how the driver talks, the presentation of the phrases stops. Following which, **Trained user** can be selected in **User setting** in order for the system to recognise the user in an optimum way.

## TTS speed

- Fast
- Medium
- Slow

Here there is an option to change the reading speed of the system's text-to-speech voice.

## Related information

- MY CAR - see page 13
- MY CAR - vehicle settings - see page 16
- MY CAR - driving support system - see page 18
- MY CAR - System options - see page 19
- MY CAR - Climate settings - see page 21



- MY CAR - Internet settings - see page 22
- MY CAR Information - see page 22

### MY CAR - Climate settings

Climate settings menu option in the MY CAR menu source handles functions such as e.g. fan adjustment and recirculation.

<b>Climate settings</b>	
<b>Auto blower</b>	
Normal	
High	
Low	
<b>Recirculation timeout</b>	
On	
Off	
<b>Auto rear defrost</b>	
On	
Off	
<b>Auto driver seat heater</b>	
On	
Off	
<b>Auto steering wheel heater</b>	
On	
Off	

#### Interior air quality system

On

Off

#### Reset climate settings

All menus in **Climate settings** are given original factory settings.

#### Related information

- MY CAR - see page 13
- MY CAR - vehicle settings - see page 16
- MY CAR - driving support system - see page 18
- MY CAR - System options - see page 19
- MY CAR - Voice settings - see page 20
- MY CAR - Internet settings - see page 22
- MY CAR Information - see page 22

03

AUDIO AND MEDIA

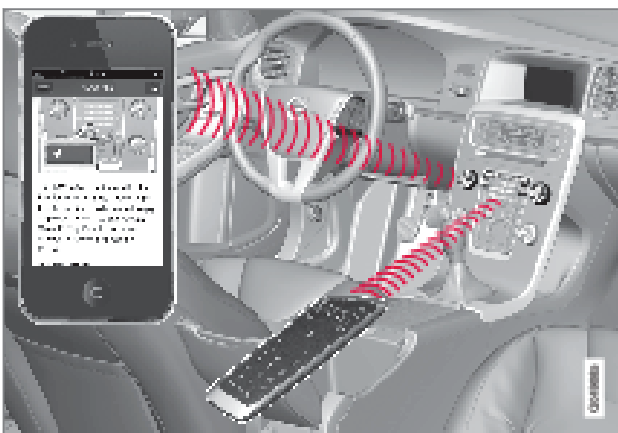




## Audio and media

The audio and media system consists of radio 35, media player 41, TV 73\* and the option to communicate with the mobile phone 55\*, which in some cases can be controlled with voice recognition 60\*. It is possible to connect the car to the Internet 66 to e.g. stream audio via apps 69.

Information is presented on a 7-inch screen in the upper section of the centre console. Functions can be controlled via buttons in the steering wheel, in the centre console below the screen or via remote control 76\*.



If the audio and media system is active when the engine is switched off then it is automatically activated the next time the key is inserted into key position I or higher, and it continues with the same source (e.g. radio) as before the engine was switched off (the driv-

er's door must be closed on cars with Key-less systems\*).

The audio and media system can be used for 15 minutes at a time without the remote control key being in the ignition switch by pressing the On/Off button.

When the car is being started the audio and media system is switched off temporarily and continues when the engine has started.

**i NOTE**

Remove the remote control key from the ignition switch if the infotainment system is used when the engine is switched off. This is to avoid discharging the battery unnecessarily.

## Powered by Gracenote®



## Dolby Digital, Dolby Pro Logic



Made under license from Dolby Laboratories. Dolby Digital, Dolby Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.

## Audyssey MultEQ

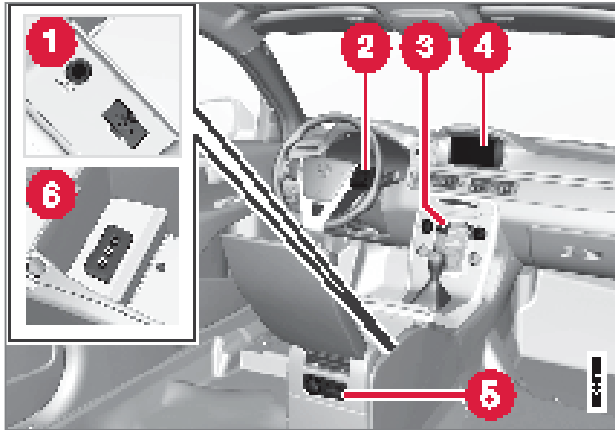


The Audyssey MultEQ system has been used in the development and tuning of the sound to ensure a world-class sound experience.



## Audio and media - overview

Overview of the audio and media system's different parts.



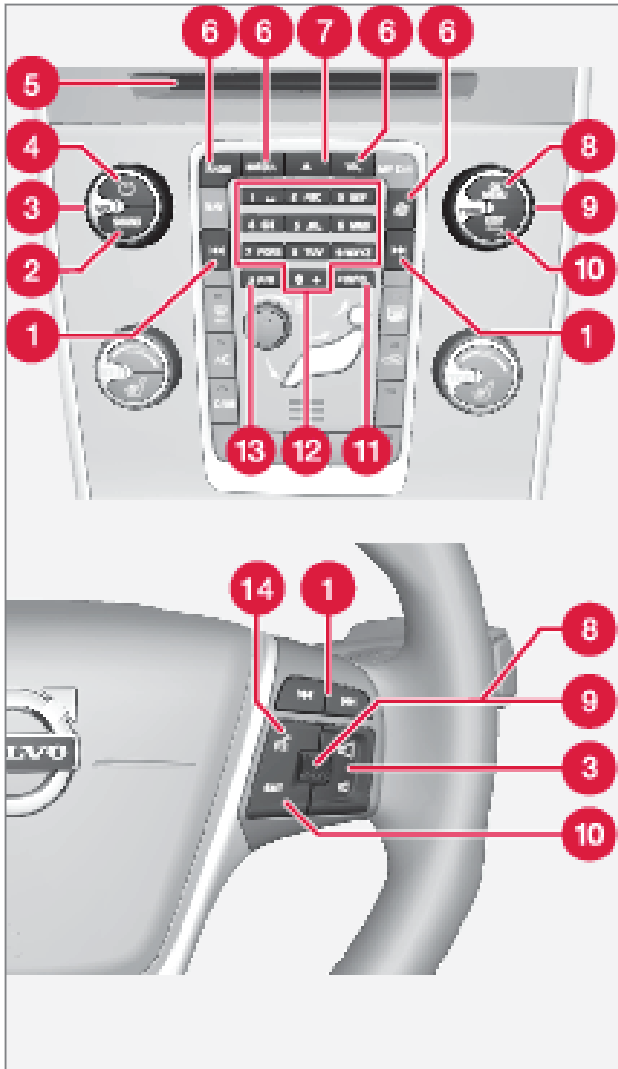
- 1** AUX and USB\* inputs for external audio sources 48 (e.g. iPod®).
- 2** Steering wheel keypad.
- 3** Centre console control panel.
- 4** 7-inch screen. The appearance in the screen can be changed and follows the combined instrument panel's settings, see the owner's manual.
- 5** Rear control panel with headphones socket\*.
- 6** AVV-AUX input\*.

## Related information

- Audio and media - see page 24
- Audio and media - operating the system - see page 25

## Audio and media - operating the system

The audio and media system is controlled from the centre console and partly from the steering wheel buttons, with voice recognition 60 or remote control 76\*. The information is presented on the screen in the upper section of the centre console.



**1** Scroll/fast wind/search - Short press scrolls between disc tracks, preset radio

stations<sup>1</sup> or chapter<sup>2</sup>. A **long press** fast-winds disc tracks or searches for the next available radio station.

- 2** **SOUND** - press for access to audio settings (bass, treble, etc.). For more information, see general audio settings 32 .
- 3** **VOL** - raise or lower the volume.
- 4** **[ ] ON/OFF/MUTE** - **short press** starts the system and **long press** (until the screen is off) switches off. Note that the whole of the Sensus system (including navigation\* - and phone functions) starts/ switches off at the same time. Briefly press to mute the sound (MUTE) or restore the sound if it had been switched off.
- 5** Disc insert and eject slot.
- 6** **Main sources** - press to select the main source (e.g. **RADIO**, **MEDIA**). Last active source is shown (e.g. **FM menu** for radio). If you are in a source and press the main source button, a shortcut menu is shown.
- 7** Disc eject. A disc remains in the ejected position for about 12 seconds, after which it is inserted back into the player for safety reasons.
- 8** **OK/MENU** - press the thumbwheel in the steering wheel or the button in the centre console to accept selections in menus. If

you are in the normal view and press **OK/MENU** a menu is shown for the selected source (e.g. **RADIO** or **MEDIA**). Arrow to the right of the screen is shown when there are underlying menus.


- 9** **TUNE** - turn the thumbwheel in the steering wheel or the knob in the centre console to scroll between disc tracks/folders, radio and TV\* stations, phone contacts or navigate between the options on the display screen.
- 10** **EXIT** - **short press** leads upwards in the menu system, interrupts current function, interrupts/rejects phone calls or erases entered characters. A **long press** leads to the normal view or, if already in the normal view, to the highest menu level (main source menu). which are the same as the main source buttons on the centre console (6).
- 11** **INFO** - If more information than can be shown on the screen is available, press the **INFO** button to see the remaining information.
- 12** Preset buttons, input of numbers and letters.
- 13** **FAV** - in certain sources it is possible to link a function to the **FAV** button. A linked function is then activated simply by

<sup>1</sup> Does not apply to DAB.  
<sup>2</sup> Only applies to DVD discs.





pressing the **FAV** button, see see page 31.

 **Voice recognition** - press to activate voice recognition.

#### Related information

- Audio and media - menu navigation - see page 27
- Audio and media - see page 24

#### Audio and media - menu navigation

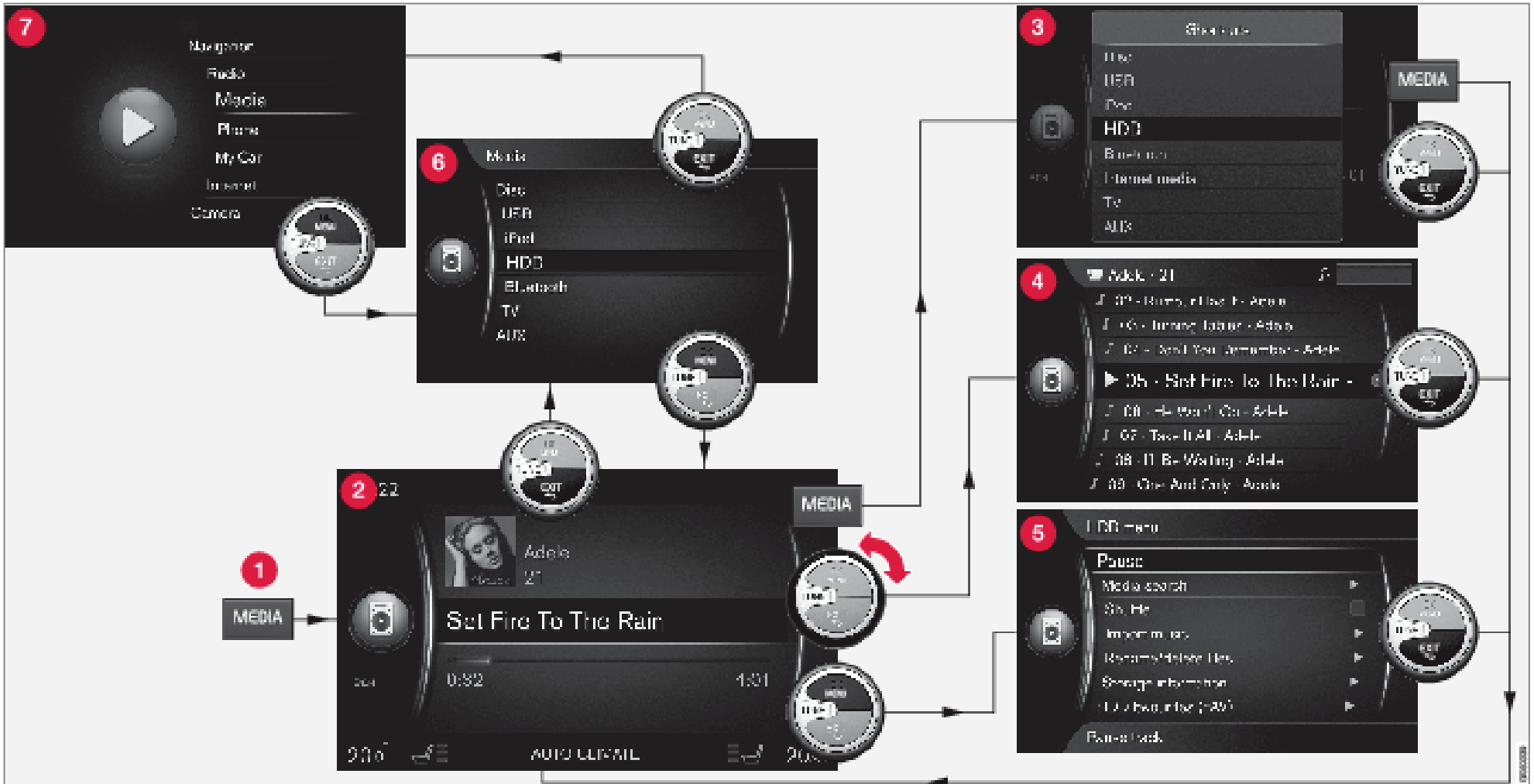
*The audio and media system is controlled from the centre console and partly from the steering wheel buttons, with voice recognition or remote control 76\*. The information is presented on the screen in the upper section of the centre console.*



# 03 Audio and media

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Name: Melco-Supplement  
Version: 1  
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The example shows navigation to different functions when the media is played from the car's hard disc drive.



- 1 Main source button** - press in order to change the main source or to show the shortcut menu in the active source.
- 2 Normal view** - normal mode for the source.
- 3 Shortcut menu** - shows frequent menu selections.
- 4 Quick menu** - fast mode when **TUNE** is turned, e.g. for changing disc tracks, radio station, etc.
- 5 Source menu** - functions and settings in the active source.
- 6 Source selection menu<sup>3</sup>** - shows the sources that can be selected.
- 7 main source menu** - displays mains sources, which can also be selected with the main source keypad (1).

The appearance depends on the source, equipment in the car, settings, etc.

Select main source by pressing a main source button (1) (e.g. **RADIO**, **MEDIA**). To navigate through the source menus, use the controls **TUNE**, **OK/MENU**, **EXIT** or the main source button (1).

If the text in a menu bar is light grey then it is not possible to select this option. This may be because the function is not available in the car, that the source is not active or connected, or does not contain anything.

For available functions, see see page 79.

#### Related information

- Audio and media - operating the system - see page 25
- Audio and media - menu overview - see page 79

#### Symbols in the screen

Overview of the symbols that can be shown in the screen.



Activity/status field.

The activity/status field shows what the ongoing activities are, and in some cases their status. Not all symbols are shown all the time due to the limited space in the field.

Symbol	Specification
	Connects to the internet via Bluetooth®.
	Connected to the internet via Bluetooth®.
	Not connected to the internet via Bluetooth®.

<sup>3</sup> Only available in those main sources that have several sources.



# 03 Audio and media

Language-Variant: en-GB  
Platform: unassigned

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Symbol	Specification
	Connects to the internet via car modem <sup>*A</sup> .  The bars show the signal strength in the mobile phone network and below the bars the type of connection is shown.
	Connects to the internet via car modem <sup>*A</sup> .
	Not connected to the internet via car modem <sup>*A</sup> .
	The symbol is shown when the car's location is transmitted.
	Phone connected.
	Incoming call.
	Missed call.
	Current call.
	Unread text message.

Symbol	Specification
	Microphone switched off.
	Audio muted (MUTE).

A Only cars with Volvo On Call

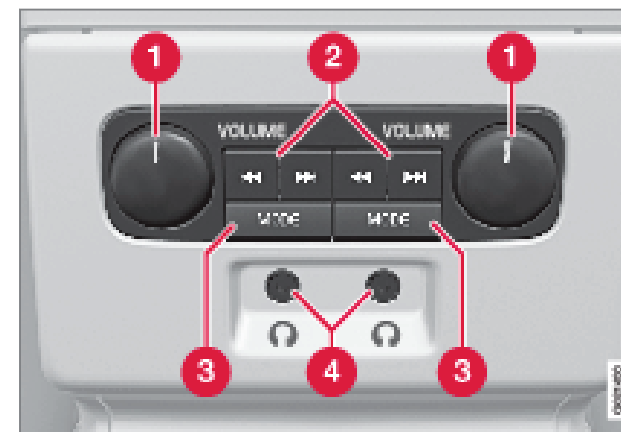
### Related information

- Internet-connected car - see page 66

### Rear control panel with headphones socket\*

It is possible to plug in headphones and listen to separate media, which is selected using the control rear panel.

Headphones with an impedance of 16-32 ohm and sensitivity of 102 dB or higher are recommended for best sound reproduction.



- 1 VOLUME** – Volume, left and right.
- 2** Scroll/search forward and backward.
- 3 MODE** - Select to listen to a media in one of the main sources **RADIO** (e.g. AM, FM) or **MEDIA** (e.g. CD, external audio source) or On/Off. Read about connection via AUX or USB\* 49<sup>®</sup> or via Bluetooth 51.
- 4** Headphones sockets (3.5 mm).



### Activate/deactivate

The control panel is activated with **MODE**. Deactivation is possible via a long press on **MODE** or when the engine is switched off.

### Scroll/search forward and backward

Pressing (2) scrolls between disc tracks/audio files or seeks the next available radio station.

### Limitations

The audio source (e.g. **Disc**) being played back through the speakers cannot be controlled from the rear control panel.

In order that an audio source can be selected with **MODE** and listened to it is required that the audio source is available and connected in the car.

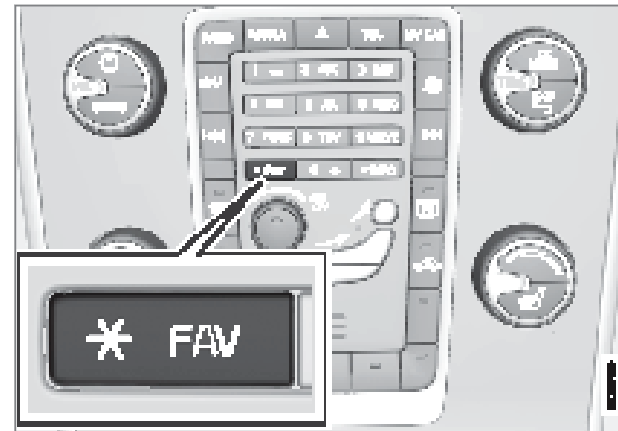
### Related information

- Audio and media - see page 24
- Audio and media - operating the system - see page 25

### Favourites

*Link a commonly used function to the **FAV** button. It is possible to link a function within each respective source in the main sources of radio, media, MY CAR and the web browser in an Internet-connected car. The linked function is then activated simply by pressing **FAV**.*

### Link favourite



1. Select a main source (e.g. **RADIO**, **MEDIA**).
2. Select the source (e.g. **AM**, **Bluetooth**).
3. In the source's normal view, press **OK/MENU** and select the **FAV** menu.  
Alternatively long press on **FAV** button, until the menu is shown.
4. Select a function in the menu item to link to **FAV**.

- > When the source (e.g. AM, Bluetooth®) is active the saved function is available via a short press on **FAV**.

### Related information

- Audio and media - see page 24
- MY CAR - see page 13
- Radio - see page 35
- Media player - see page 41
- Internet-connected car - see page 66



## Audio and media - audio settings

The audio system is pre-calibrated for optimal sound reproduction, but can be adapted to your needs.

### Setting for optimal sound reproduction

The audio system is pre-calibrated for optimum sound reproduction by means of digital signal processing.

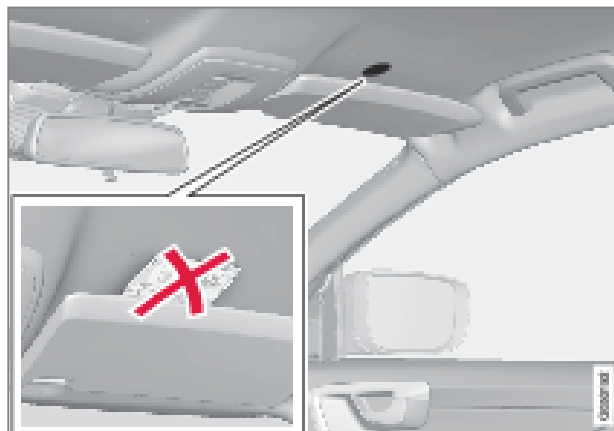
This calibration takes into account loudspeakers, amplifiers, passenger compartment acoustics, listener position etc. for each combination of car model and audio system.

There is also a dynamic calibration that takes into account the position of the volume control, radio reception and vehicle speed.

The controls explained in these operating instructions, e.g. **Bass**, **Treble** and **Equalizer**, are only intended for the user to be able to adapt the sound reproduction according to personal taste.

### Active noise reduction<sup>4</sup>

The car is equipped with an active noise reduction function that suppresses engine noise in the passenger compartment via the audio system. Microphones in the car's roof detect disruptive noise and the audio system sends out anti-noise in order to dampen the noise.



Microphones in the car's roof - location and quantity may vary depending on car model.

### NOTE

Do not cover the car's microphone; otherwise a rumbling sound from the audio system may be produced.

### Related information

- Audio and media - general audio settings - see page 32
- Audio and media - advanced audio settings - see page 33

## Audio and media - general audio settings

General audio settings for the audio and media system.

Press **SOUND** to access the audio settings menu (**Bass**, **Treble**, etc.). Turn **TUNE** to scroll to your selection (e.g. **Treble**) and press **OK/MENU** in order to select.

Adjust the setting by turning **TUNE** and save the setting with **OK/MENU**.

Continue turning **TUNE** in order to access other options:

- **Premium sound** - Advanced audio settings 33.
- **Bass** - Bass level.
- **Treble** - Treble level.
- **Fader** - Balance between the front and rear speakers.
- **Balance** - Balance between the left and right-hand speakers.
- **Equalizer** - Volume level for different wavelengths 34.
- **Navigation volume** - The volume of the navigation system\* system voice.
- **Voice control volume** - The volume of the voice recognition 60 system voice.

<sup>4</sup> Applies to certain engines.

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



- **Ringtone volume** - The volume of the car's ring signal for a connected mobile phone 55.
- **Park assist volume** - The volume for parking assistance\*.
- **Cross Traffic Alert-vol.** - The volume for the CTA system\*.
- **Volume compensation** - Audio compensation for excessive noise in the passenger compartment 34.
- **Reset audio settings** - Restores the audio settings to factory settings.

#### Related information

- Audio and media - operating the system - see page 25
- Audio and media - menu navigation - see page 27
- Audio and media - advanced audio settings - see page 33
- Audio and media - audio settings - see page 32

### Audio and media - advanced audio settings

*Adapt the audio settings for radio and media according to your wishes.*



*All the advanced audio settings are accessed by pressing **SOUND** in order to access the audio settings menu. Turn **TUNE** to scroll to **Premium sound** and press **OK/MENU**.*

#### Sound profile

The sound experience can be optimised for different parts of the car. The sound profile can be set for **Driver seat**, **Rear seats** or **Whole car**.

1. Turn **TUNE** to scroll to **Sound stage** and press **OK/MENU**.
2. Select sound profile by turning **TUNE** and confirm with **OK/MENU**.

#### Surround

The surround system can be set to the On/Off position. When On is selected, the system selects the setting for optimal sound reproduction. Normally **DPL II** and  are then shown in the screen. If the recording is made with Dolby Digital technology then playback will take place with this setting,  is then shown in the screen. When Off is selected, 3-channel stereo is available.

1. Turn **TUNE** to scroll to **Surround** and press **OK/MENU**.

2. Surround can be set in On/Off mode by pressing **OK/MENU**

The surround level can be set separately if On is selected.

1. Turn **TUNE** to scroll to the level setting and confirm with **OK/MENU**.
2. Select surround level by turning **TUNE** and confirm with **OK/MENU**.

#### Subwoofer

The volume level for the subwoofer can be set separately.

1. Turn **TUNE** to scroll to **Subwoofer** and press **OK/MENU**.
2. Select volume level by turning **TUNE** and confirm with **OK/MENU**.

#### Centre speaker

The volume level for the centre speaker can be set separately. If surround is in On mode then **DPL II centre level** is set, otherwise **3 channel centre level** is set.

1. Turn **TUNE** to scroll to **Centre** and press **OK/MENU**.
2. Select volume level by turning **TUNE** and confirm with **OK/MENU**.





## Related information

- Audio and media - audio settings - see page 32
- Audio and media - general audio settings - see page 32
- Audio and media - operating the system - see page 25
- Setting the equaliser - see page 34
- Setting the audio volume and automatic volume control - see page 34
- Setting the audio volume for external audio source - see page 50

## Setting the equaliser

*Set the equaliser and adjust the volume separately for different radio frequencies or TV.*

1. Press **SOUND** to access the audio settings menu. Turn **TUNE** to scroll to **Equalizer** and press **OK/MENU**.
2. Select wavelength by turning **TUNE** and confirm with **OK/MENU**.
3. Adjust the audio setting by turning **TUNE** and confirm with **OK/MENU** or undo the command using **EXIT**. Continue in the same way with other wavelengths to be changed.
4. When the audio setting is complete, press **EXIT** button to confirm and return to normal view.

## Related information

- Audio and media - advanced audio settings - see page 33
- Audio and media - operating the system - see page 25
- Audio and media - menu navigation - see page 27

## Setting the audio volume and automatic volume control

*Set the audio compensation for excessive noise in the passenger compartment.*

The audio system compensates for disrupting noises in the passenger compartment by increasing the volume in relation to the speed of the car. The compensation level can be set to **Low**, **Medium**, **High** or **Off**.

1. Press **SOUND** to access the audio settings menu. Turn **TUNE** to scroll to **Volume compensation** and press **OK/MENU**.
2. Select level by turning **TUNE** and confirm with **OK/MENU**.

## Related information

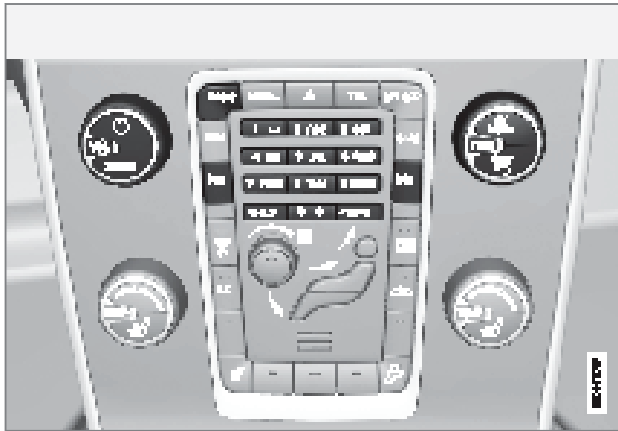
- Audio and media - advanced audio settings - see page 33
- Audio and media - operating the system - see page 25
- Audio and media - menu navigation - see page 27



## Radio

It is possible to listen to the AM<sup>5</sup> and FM radio frequencies, and in certain cases also digital radio (DAB) 40\*.

In an Internet-connected car 66 it may be possible to listen to Internet radio, see see page 69.



Controls for radio functions.

For management of the radio read how the system is managed 25 and menu management 27.

It is possible to link certain functions to the **FAV** button. A linked function is then activated simply by pressing the **FAV** button, see see page 31.

### AM<sup>5</sup>/FM radio

- see page 35
- see page 37
- see page 38

### Digital radio (DAB)\*

- see page 40
- see page 41
- see page 41
- see page 37
- see page 38

### Internet radio

- see page 69

### Related information

- Audio and media - menu overview - see page 79

## Radio tuning

The radio automatically compiles a radio station list 36 of the strongest radio stations whose signals it is currently receiving.

An automatic radio tuning 36 uses the station list compiled by the radio. It is also possible to carry out manual radio tuning 36.

Radio tuning can be set to automatic or manual when tuning is carried out.

1. Go in FM mode to **FM menu** → **Tune station by**.
2. Turn **TUNE** to **Station list** or **Manual tuning**) and select with **OK/MENU**.

### **i** NOTE

The reception is dependent both on how good the signal strength and signal quality are. The transmission may be disturbed by various factors such as tall buildings or the transmitter being far away. Coverage level can also vary depending on where in the country you are located.

### Related information

- Radio - see page 35

<sup>5</sup> Does not apply to V60 Plug-in Hybrid.



## Automatic radio tuning

The radio automatically collates a radio station list 36 that the automatic radio tuning uses.

If automatic radio tuning is set 35 it can be tuned in normal view and in the station list.

### Radio tuning in normal view

- Press FM mode on / on the centre console (or steering wheel keypad).
  - > Radio switches to previous/next available station.

### Radio tuning in the station list

1. Turn on FM mode in **TUNE, FM station list** is shown.
2. Turn **TUNE** to a station and select using **OK/MENU**.

Switch between automatic and manual radio tuning 36 in the station list by pressing **INFO** in the centre console.

### Related information

- Radio tuning - see page 35

## Radio station list

The radio automatically compiles a radio station list of the strongest radio stations whose signals it is currently receiving. This enables you to find a station when you drive into an area where you do not know the radio stations and their frequencies.

The automatic radio tuning 36 uses the compiled station list.

### NOTE

- The list only shows the frequencies of stations that are currently being received, **not** a complete list of all radio frequencies on the selected wavelength.
- If the signal from the currently received station is weak, this may prevent the radio from updating the station list. If this occurs, press the **INFO** button (while the station list is shown in the display screen) in order to change to manual tuning 36 and set a frequency.

### Related information

- Radio tuning - see page 35

## Manual radio tuning

The radio automatically compiles a radio station list 36, but it is possible to perform manual radio tuning.

If manual radio tuning is set 35 it can be tuned in normal view and in the frequency list.

### Radio tuning in normal view

- Press FM mode on / on the centre console (or steering wheel keypad).
  - > The radio changes frequency from 93.3 to 93.4 MHz etc.

To change to the previous/next frequency with a strong signal, one long press on / .

### Radio tuning in the frequency list

1. Turn on FM mode in **TUNE, FM tuning** is shown.
2. Turn **TUNE** to a frequency and select using **OK/MENU**.

Switch between manual and automatic radio tuning 36 in the frequency list by pressing **INFO** in the centre console.

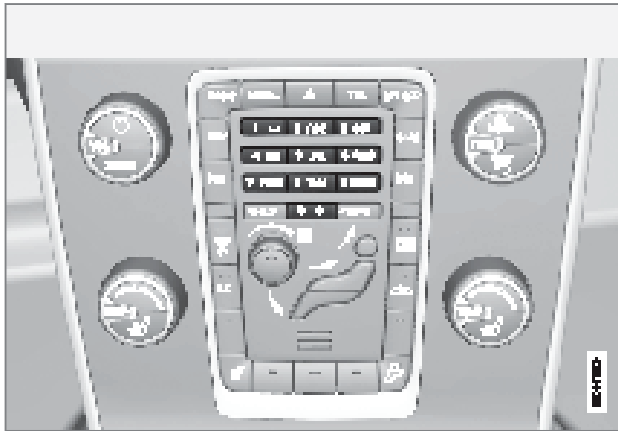
### Related information

- Radio tuning - see page 35
- Automatic radio tuning - see page 36



## Radio stations as presets

Frequently used radio stations are optimally saved as presets in order to facilitate simple activation.



Station presets.

## AM<sup>6</sup>/FM radio

10 presets can be stored per wavelength (e.g. AM).

The stored presets are selected using the preset buttons.

1. Tune into a station, see see page 35.
2. Hold in one of the preset buttons for a few seconds, the sound disappears during this time and returns when the station is stored. The preset button can now be used.

A list of pre-selected channels can be shown in the display screen.

- Activate/deactivate in AM-/FM mode under **AM menu** → **Show** → **Presets** alternatively **FM menu** → **Show** → **Presets**.

## Digital radio (DAB)\*

10 presets can be stored per wavelength. Storage of presets is performed by means of a long press on the desired preset button, for more information see AM/FM radio above. The stored presets are selected using the preset buttons.

A preset contains one channel but no sub-channels. If a subchannel is being played and a preset is saved then only the main channel is registered. This is because subchannels are temporary. At the next attempt to retrieve the preset, the channel which contained the subchannel will be played. The preset is not dependent on the channel list.

A list of pre-selected channels can be shown in the display screen.

- Activate/deactivate in DAB mode under **DAB menu** → **Show** → **Presets**.

### **i** NOTE

The audio system's DAB system does not support all functions in the DAB standard.

## Related information

- Radio tuning - see page 35
- Audio and media - menu navigation - see page 27

<sup>6</sup> Does not apply to V60 Plug-in Hybrid.



## RDS functions

With RDS the radio can automatically change to the strongest transmitter. RDS provides the facility to receive e.g. traffic information (TP) and to search for certain programme types (PTY).

RDS (Radio Data System) links FM transmitters into a network. An FM transmitter in such a network sends information that gives an RDS radio the following functions:

- Automatically switches to a stronger transmitter if reception in the area is poor.
- Searches for programme type, e.g. traffic information.
- Receives text information on current radio programme.

### NOTE

Some radio stations do not use RDS or only selected parts of its functionality.

If a required programme type is located the radio can switch stations interrupting the audio source currently in use. For example, if the CD player is in use, it is paused. The interrupting transmission is played back at a preset volume 39. The radio returns to the previous audio source and volume when the set programme type is no longer broadcast.

The programme functions alarm, traffic information (TP) and programme types (PTY) inter-

rupt one another in order of priority, where alarm has the highest priority and programme types has the lowest. Press **EXIT** to return to the interrupted audio source, press the **OK/MENU** to clear the message.

## Related information

- Alarms in the event of accidents and disasters - see page 38
- Traffic information (TP) - see page 39
- Radio programme types (PTY) - see page 39
- Radio text - see page 40
- Automatic radio frequency update (AF) - see page 40

## Alarms in the event of accidents and disasters

The radio function is used to warn of serious accidents and catastrophes. The message **ALARM!** appears on the display screen when an alarm message is transmitted.

The alarm cannot be temporarily interrupted or deactivated.

## Related information

- RDS functions - see page 38



## Traffic information (TP)

*This function allows traffic information that is broadcast within a set radio station's RDS network to break through.*

The symbol shows that the function is activated. If the preset station can send traffic information then this is shown by glowing brightly in the display screen, otherwise will be grey.

- Activate/deactivate in FM mode under **FM menu** → .

### Related information

- RDS functions - see page 38

## Radio programme types (PTY)

*One or more radio program types, such as pop and classical music can be selected for DAB\*-radio. After selecting a program type navigation only occurs among the the channels transmitting that type.*

Programme types are selected in DAB mode under **DAB menu** → **Programme type (PTY) filtering**.

1. Turn **TUNE** to the program type that is to be marked/unmarked.
2. Mark/unmark the program type with **OK/MENU**.
3. When the desired program types are selected, leave the menu system using **EXIT**.

PTY symbol is shown in the screen when the function is active.

In some cases DAB radio will exit PTY mode, see see page 41.

### Related information

- RDS functions - see page 38

## Volume control for interrupting RDS-functions

*The interrupting RDS-functions, e.g. alarm or traffic information (TP), are heard at the volume selected for each respective programme type. If the volume level is adjusted during the programme interruption, the new level is saved until the next programme interruption.*

### Related information

- RDS functions - see page 38
- Alarms in the event of accidents and disasters - see page 38
- Traffic information (TP) - see page 39



## Radio text

Some RDS stations transmit information on programme content, artists, etc. This information may be shown on the display screen. Radio text can be shown for FM and DAB\* radio.

- Activate/deactivate in FM-/DAB mode under **FM menu** → **Radio text** alternatively **DAB menu** → **Radio text**.

## Related information

- RDS functions - see page 38
- Digital radio (DAB)\* - see page 40

## Automatic radio frequency update (AF)

The function selects the strongest transmitter for the set radio station.

In order to find a strong transmitter the function may, in exceptional cases, need to search the entire FM wavelength.

- Activate/deactivate in FM mode under **FM menu** → **Alternative frequency**.

## Related information

- RDS functions - see page 38

## Digital radio (DAB)\*

DAB (Digital Audio Broadcasting) is a digital broadcasting system for radio. The car supports DAB, DAB+ and DMB.

**i NOTE**

Coverage for DAB is not available in all locations. If there is no coverage then the message **No reception** is shown in the display screen.

## Related information

- Radio - see page 35
- Radio stations as presets - see page 37
- Radio programme types (PTY) - see page 39
- Radio text - see page 40
- Digital radio (DAB)\* - subchannel - see page 41
- DAB to DAB link - see page 41





### Digital radio (DAB)\* - subchannel

Secondary components are usually named subchannels. These are temporary and can contain e.g. translations of the main programme into other languages.

If one or more subchannels are broadcast then the **V** symbol is shown to the left of the channel name in the display screen. A sub-channel is indicated by the - symbol appearing to the left of the channel name in the display screen.

Turn **TUNE** to access the subchannels.

Subchannels can only be accessed on the selected main channel and not on any other channel without selecting it.

### Related information

- Digital radio (DAB)\* - see page 40

### DAB to DAB link

DAB to DAB linking means that the DAB radio can go from one channel with poor or no reception to the same channel in another channel group with better reception.

There may be a certain delay when changing channel group. There may be a period of silence between the current channel no longer being available to the new channel becoming available.

- Activate/deactivate in DAB mode under **DAB menu** → **DAB-DAB linking**.

### Related information

- Digital radio (DAB)\* - see page 40

### Media player

The media player can playback audio and video from CD/DVD discs and externally connected audio sources via the AUX/USB input or wirelessly stream audio files 50 from external devices via Bluetooth®. Certain media players can show TV\* and have the option to communicate with a mobile phone 55 via Bluetooth®.

It is possible to copy music from a disc/USB<sup>7</sup> to the car's hard disc drive (HDD) 46.

In an Internet-connected car 66 it may be possible to listen to Internet radio, audio books and use music service, see see page 69.



Controls for the media player.

<sup>7</sup> Depending on market.



# 03 Audio and media

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Platform: unassigned

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For basic playback and navigation, read how the system is managed 25 and menu management 27.

It is possible to link certain functions to the **FAV** button. A linked function is then activated simply by pressing the **FAV** button, see see page 31.

### Related information

- Audio and media - see page 24
- Voice recognition - mobile phone - see page 64
- Remote control\* - see page 76
- Media player - compatible file formats - see page 47

### CD/DVD\*

*Media player 41 can play back pre-recorded and burned CD/DVD discs.*

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

- Pre-recorded CD/DVD discs (CD/DVD Audio).
- Pre-recorded DVD-Video discs (DVD Video).
- Burned CD-/DVD discs with audio files.

For more information about the supported formats, see compatible file formats 47.

**i** **NOTE**

Some audio files that are copy-protected by record companies or privately copied audio files cannot be loaded by the player.

It is possible to copy music from disc<sup>8</sup> to the car's hard disk drive (HDD) 46 and then play it back from there.

It is possible to link certain functions to the **FAV** button. A linked function is then activated simply by pressing the **FAV** button, see see page 31.

For basic playback and navigation, read how the system is managed 25 and menu management 27. See below for a more detailed description.

### Playback and navigation of CD/DVD Audio

Turn **TUNE** to access the disc track structure. Navigate in the structure by turning **TUNE**.

Start playback of a track by pressing **OK/MENU**.

### Playback and navigation of burned CD/DVD discs

If a disc with audio/video files is inserted into the player then the disc's folder structure needs to be loaded. Depending on the quality of the disc and the quantity of information there may be a certain delay before playback starts.

Turn **TUNE** to enter the disc file structure or to search in categories. Navigate in the structure by turning **TUNE**, select folder using **OK/MENU** and move backwards in the structure using **EXIT**.

Start playback of a file by pressing **OK/MENU**.

When the playback of a file is finished the playback of the other files in the same folder continues. Folder change takes place automatically when all files in the current folder have been played back.

### Playback and navigation of DVD Video

To manage DVD Video, see see page 45.

<sup>8</sup> Certain markets.



## Media search



There is the option to search for music in your devices. The search scans through USB, disc and the hard disk drive. Read more about the search function 44.



## Related information

- Audio and media - operating the system - see page 25
- Fast forward/reverse - see page 43
- Random selection of disc track or audio file - see page 43

## Fast forward/reverse

*It is possible to fast forward/rewind audio and video files.<sup>9</sup>*

Hold the button for  /  depressed in order to fast forward/rewind audio or video files forward/backward.

Audio files are fast forwarded/rewound at one speed, while video files can be fast forwarded/rewound at several speeds. Repeatedly press the buttons  /  to increase the fast forward/rewind speed for video files. Release the button to return to viewing at normal speed.

## Related information

- Audio and media - operating the system - see page 25

## Random selection of disc track or audio file

*This function plays the tracks/audio files in random order<sup>10</sup>.*

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

1. Press **OK/MENU**.
2. Turn **TUNE** to **Shuffle**.
3. Press **OK/MENU** to activate/deactivate the function.

## Related information

- Audio and media - operating the system - see page 25
- Media Bluetooth® - see page 50

<sup>9</sup> Only applies to CD/DVD\* discs, USB and iPod®.

<sup>10</sup> Does not apply to DVD video discs. For externally connected audio sources via the AUX/USB input this only applies to USB and iPod®. Not supported by all mobile phones.



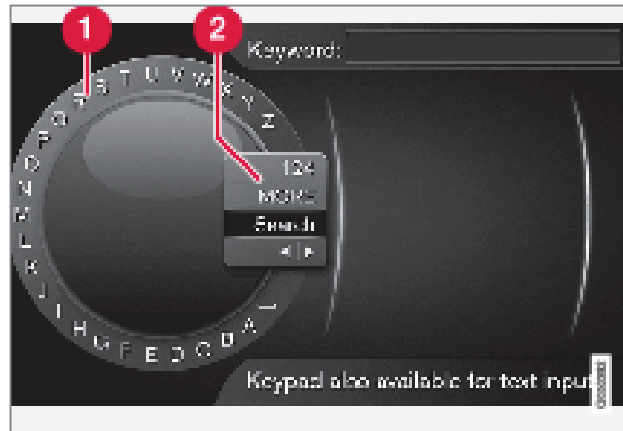
## Media search

There is the option to search for music in your devices. The search seeks through USB 48, disc 42 and hard disc drive46.

Media search is available from the normal view for the sources **Disc**, and .

To start the search, press **OK/MENU** and select **Media search**.

### Search function



Searching using the daisy wheel.

- 1** Character list.
- 2** Changing the input mode (see following table).

Use the daisy wheel to enter search terms.

1. Turn **TUNE** to the desired letter, press **OK/MENU** to confirm. The number and

letter buttons on the control panel in the centre console can also be used.

To change the input mode to numbers or special characters, or to go to the results list, turn **TUNE** to one of the options (see explanation in the following table) in the list for changing the input mode (2), press **OK/MENU**.

2. Continue with the next letter and so on.
3. When you are satisfied with your search term, select **Search**.
  - > Search is carried out. The result is shown and grouped in the following categories: artist, album, track, genre, year and composer.
4. Turn **TUNE** to a category, press **OK/MENU**.
5. Turn **TUNE** in order to select a media, press **OK/MENU** to start playback.

<b>/ABC</b>	Change between letters and numbers with <b>OK/MENU</b> .
<b>MORE</b>	Change to special characters with <b>OK/MENU</b> .
<b>Search</b>	Carry out media search.

A short press on **EXIT** deletes an input character. A long press on **EXIT** will clear all entered characters.

Pressing a number key in the centre console when the text wheel is shown (see previous illustration) shows a character list in the screen. Continue repeatedly pressing the number key to the desired letter and then release. Continue with the next letter and so on. When a button is depressed the entry is confirmed when another button is depressed.



## Playback and navigation of DVD video discs

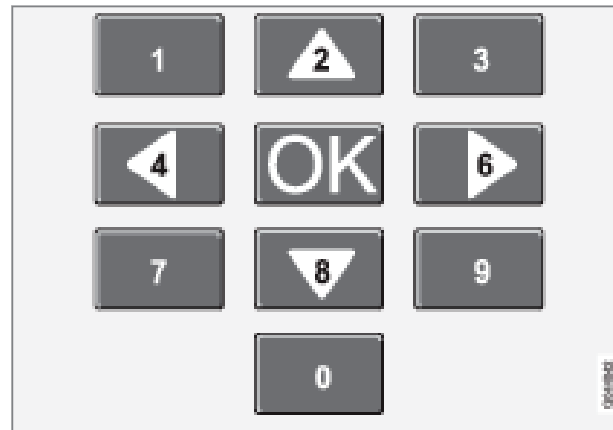
When playing back a DVD video disc a disc menu may appear on the display screen. The disc menu gives access to additional functions and settings, such as selecting subtitles, language and scene selection.

For basic playback and navigation, see *Operating the system 25*. See below for a more detailed description.

### **i** NOTE

A video film is only shown when the car is stationary. When the car is moving at a speed of over about 8 km/h no picture is shown and **Video is not available during driving** appears on the display screen, although the audio is heard during this time. The picture is shown again as soon as the car's speed falls below about 6 km/h.

## Navigation in the DVD video disc's menu





Navigation in the DVD video disc's menu is performed using the number keys in the centre console as illustrated above.

### Changing chapter or title

Turn **TUNE** to access the list of chapters and navigate through them (if the film is being played back then it is paused). Press **OK/MENU** to select the chapter, this also leads back to the original position (if the film was being played back then it is restarted). Press **EXIT** to access the title list.

Titles are selected in the title list by turning **TUNE** and the selection is confirmed with **OK/MENU**, this also leads back to the chapter list. Press **OK/MENU** to activate the selection and return to the start position. Use **EXIT** to cancel the selection and this leads

back to the original position (without any selection being made).

The chapter can also be changed by pressing on  /  on the centre console or the steering wheel keypad\*.

### Related information

- Audio and media - operating the system - see page 25
- Camera angle for playback of DVD video discs - see page 46
- Fast forward/reverse - see page 43
- Random selection of disc track or audio file - see page 43
- Media player - compatible file formats - see page 47



## Camera angle for playback of DVD video discs

If the DVD video disc supports it, the function can be used to choose from which camera position a particular scene should be shown.

Go in disc mode to **DVD video menu** → **Advanced settings** → **Angles**.

### Related information

- Audio and media - operating the system - see page 25
- Playback and navigation of DVD video discs - see page 45

## Picture settings

You can adjust the display settings (when the car is stationary) for brightness and contrast.

1. Press **OK/MENU** and select **Image settings**, confirm with **OK/MENU**.
2. Turn **TUNE** to the adjustment option and confirm with **OK/MENU**.
3. Adjust the setting by turning **TUNE** and confirm with **OK/MENU**.

To return to the settings list, press the **OK/MENU** or **EXIT**.

### Related information

- Audio and media - operating the system - see page 25
- Audio and media - see page 24



## Hard disk drive (HDD)\*

It is possible to copy music from disc/USB<sup>11</sup> to the car's hard disk drive (HDD) and then play it back from there.

For information about the supported formats, see compatible file formats 47.

For basic playback and navigation, read how the system is managed 25 and menu management 27. See below for a more detailed description.

### Copying music to the hard disk drive

Audio files have the symbol  and folders have the symbol .

1. Press **MY CAR** in the centre console, select **HDD menu**.
2. Select to copy from **disc/USB**.
3. Select what to copy, and then **Continue**.
4. **Select destination** for location of copied music.

> **Importing music from disc/Importing music from USB**

Do not remove the disc/USB memory before the transfer has been confirmed - **Music files imported**.

### File formats that can be copied to the hard disk drive

<sup>11</sup>Depending on market.





CD-/DVD discs - mp3, wma, aac.

USB - mp3, mp4, wma, aac, m4a, m4b

### Rename/delete folder or file

1. Press **OK/MENU** and select **Rename/delete files**.
2. Select the folder or file, press **OK/MENU** and select **Rename** or **Delete**.
3. Use the daisy wheel to enter the new name and then **Save**.

It is not possible to rename a file to exactly the same as another file. The system would then keep the old name.

### Playback and navigation

It is possible to link certain functions to the **FAV** button. A linked function is then activated simply by pressing the **FAV** button, see see page 31.

### Playback order

Playback is in accordance with the list order. To mix the search playback order, press **OK/MENU** and select **Shuffle**.

### Media search

There is the option to search for music in your devices. The search scans through USB, disc and the hard disk drive. Read more about the search function 44.

### Storage information

View the hard disk drive's capacity and usage, press **OK/MENU** and select **Storage information**.

### Related information

- Media player - see page 41

### Media player - compatible file formats

*The media player can play back a variety of file types and is compatible with the formats in the following tables.*

### Compatible file formats for CD/DVD discs

#### **i** NOTE

Dual format, double-sided discs (DVD Plus, CD-DVD format) are thicker than regular CD discs and therefore playback cannot be guaranteed and malfunction may arise.

If a CD contains a mixture of MP3 and CDDA tracks, all MP3s will be ignored.

Audio format	CD audio, mp3, wma, aac, m4a
Video format	CD video, DVD video, divx, avi, asf

### Compatible file formats via USB connection

Audio and video files in the following table are supported by the system for playback via the USB connection.

Audio format	mp3, mp4, wma, aac, m4a, m4b
Video format	divx, avi, asf



## Related information

- Playback and navigation of DVD video discs - see page 45

## External audio source via AUX/USB\* input

*An external audio source, e.g. an iPod® or MP3 player, can be connected to the audio system.*



An iPod® or MP3 player with rechargeable batteries is recharged (when the ignition is on or the engine is running) if the device is plugged into the USB connection.

It is possible to copy music from USB<sup>12</sup> to the car's hard disk drive (HDD) 46 and then play it back from there.

For basic playback and navigation, read how the system is managed 25 and menu management 27. See below for a more detailed description.

It is possible to link certain functions to the **FAV** button. A linked function is then activated simply by pressing the **FAV** button, see see page 31.

## Playback and navigation

An audio source connected to the USB input can be operated using the car's audio controls. A device connected via the AUX input cannot be controlled via the car.

Turn **TUNE** to enter the folder structure or to search in categories. Navigate in the structure by turning **TUNE**, select folder using **OK/MENU** and move backwards in the structure using **EXIT**.

Start playback of a file by pressing **OK/MENU**.

When the playback of a file is finished the playback of the other files in the same folder continues. Folder change takes place automatically when all files in the current folder have been played back.

## Media search

There is the option to search for music in your devices. The search scans through USB, disc and the hard disk drive. Read more about the search function 44.

<sup>12</sup>Certain markets.





### USB memory

To facilitate the use of a USB memory stick, only store music files on it. It takes a lot longer for the system to load storage media that contains anything other than compatible music files.

#### **i** NOTE

The system supports mobile media compliant with USB 2.0 and the FAT32 file system and can handle 1000 folders with a maximum of 254 subfolders/files in every folder. The top level, which can handle up to 1000 subfolders/files, is an exception to this.

#### **i** NOTE

When using a longer model USB memory stick the use of a USB adapter cable is recommended. This is to avoid mechanical wear to the USB input and the connected USB memory stick.

### MP3 player

Many MP3 players have their own file systems that are not supported by the audio system. For use in the system, an MP3 player must be set in **USB Removable device/ Mass Storage Device** mode.

### iPod®

#### **i** NOTE

The system only supports the playback of audio files from iPod®.

#### **i** NOTE

The iPod® source must be used (not USB) to start playback.

When an iPod® is used as audio source, the car's infotainment system has a menu structure that is similar to the iPod® player's own menu structure.

### Related information

- Audio and media - operating the system - see page 25
- Setting the audio volume for external audio source - see page 50

### Connecting an external audio source via AUX/USB\* input

An external audio source, e.g. an iPod® or MP3 player, can be connected to the audio system via any of the connections in the centre console.



Connection points for external audio sources.

To connect the audio source:

1. Press **MEDIA**, turn **TUNE** to the required audio source, or, press **OK/MENU**.  
> If USB is selected then **Connect USB** is shown in the display screen.
2. Connect your audio source to one of the connections in the centre console's storage compartment (see previous illustration).

The text **Reading USB** is shown in the display screen when the system is loading the



storage media's file structure. Depending on the file structure and number of files there may be some delay before loading is finished.

### **i** NOTE

The system supports most iPod® models produced in 2005 or later.

### **i** NOTE

To prevent damage to the USB connection, this is shut off if the USB connection is short-circuited or if a connected USB unit is taking too much power (this may happen if the unit connected does not meet the USB standard). The USB connection is reactivated automatically the next time the ignition is turned on, unless the fault persists.

### Related information

- External audio source via AUX/USB\* input - see page 48

## Setting the audio volume for external audio source

Set the volume for an external audio source 48. If the volume is too high or too low then the quality of the sound may deteriorate.

If an external audio source (e.g. an MP3 player or iPod®) is connected to the AUX input then the audio source that is connected can have a different volume than the audio system's internal volume (e.g. radio). Correct this by adjusting the volume of the input: Press the **MEDIA** button, select **AUX menu** → **AUX input**, select volume setting **Standard** or **Boost**.

### **i** NOTE

If the external audio source's volume is too high or too low, the quality of the sound may deteriorate. The audio quality may also be impaired if the player is charged while the infotainment system is in AUX mode. In which case, avoid charging the player via the 12 V socket.

### Related information

- Audio and media - advanced audio settings - see page 33
- Audio and media - operating the system - see page 25
- Audio and media - menu navigation - see page 27

## Media Bluetooth®

The car's media player is equipped with Bluetooth® and can wirelessly play streaming audio files from external devices with Bluetooth®, such as mobile phones and PDAs.

The device must first be registered and connected to the car 52.

For basic playback and navigation, read how the system is managed 25 and menu management 27. See below for a more detailed description.

It is possible to link certain functions to the **FAV** button. A linked function is then activated simply by pressing the **FAV** button, see see page 31.

### Playback and navigation

Navigation and control of the audio can be carried out via the centre console buttons or via the steering wheel keypad. In some external devices it is also possible to change tracks from the device.

When a mobile phone is connected to the car it is also possible to remotely control a selection of the mobile phone's functions, see see page 55. Change between the main sources **TEL** and **MEDIA** to manage each one's functions.



### **i** NOTE

The Bluetooth® media player must support the Audio/Video Remote Control Profile (AVRCP) and Advanced Audio Distribution Profile (A2DP). The player should use AVRCP version 1.3, A2DP 1.2. Otherwise some functions may not work.

Not all mobile phones and external media players available in the market are fully compatible with the Bluetooth® function in the car's media player. Volvo recommends that you contact an authorised Volvo dealer or visit [www.volvocars.com](http://www.volvocars.com) for information on compatible phones and external media players.

### **i** NOTE

The car's media player can only play the audio files via the Bluetooth® function.

### Related information

- Audio and media - operating the system - see page 25
- Connecting and disconnecting a Bluetooth® device - see page 51
- Random selection of disc track or audio file - see page 43



### Connecting and disconnecting a Bluetooth® device

*The car is equipped with Bluetooth® and can wirelessly communicate with other Bluetooth® devices after registration and connection 52.*

A maximum of 15 Bluetooth® devices can be registered. Registration is performed once per device. After registration the device no longer needs to be activated as visible/searchable.

When the Bluetooth® function is active and the last device connected is in range it is connected automatically to the car. The name of the connected device is shown in the source's normal view. To connect to another device, press **OK/MENU** and select change device 53.

When the Bluetooth® device is out of range of the car it is automatically disconnected. It is also possible to manually disconnect 54 a device. If you want to deregister a Bluetooth® device from the car, select see page 54. The car will then not search for the device automatically.

It is possible to have two Bluetooth® devices connected simultaneously. One phone  and one media device , which it is possible to switch between 53. It is also possible to call with the phone and simultaneously stream audio files.



*The phone is connected and the audio file is streamed.*

### Related information

- Audio and media - operating the system - see page 25
- Media Bluetooth® - see page 50
- Bluetooth® handsfree phone - see page 55



## Registering a Bluetooth® device

*It is possible to have two Bluetooth® devices connected simultaneously. One phone and one media device, which it is possible to switch between. It is also possible to call with the phone and simultaneously stream audio files. It is possible to connect the car to the Internet 66 via the mobile phone's Internet connection.*

A maximum of 15 Bluetooth® devices can be registered. Registration is performed once per device. After registration the device no longer needs to be activated as visible/searchable.

### NOTE

If the phone's operating system is updated then it is possible that the registration of the phone is interrupted. In which case, disconnect the phone, see see page 54 and then reconnect it.

Connecting an external device takes place in different ways depending on whether or not the device has been connected previously. The connection options below presume that this is the first time the device is being connected (registered) and that no other device is connected. The connection options show the connection of a phone. Connecting a media device 50 is performed in the same way,

although it starts from the main source **MEDIA**.

There are two possible ways of connecting devices, either search for the external device from the car, or search for the car from the external device. If one option does not work then try with the other.

If you are not already in the normal view for the phone, press **TEL** in the centre console.



Example of normal view for phone.

### Alternative 1 - search for the external device via the car's menu system

1. Make the external device searchable/visible via Bluetooth®, see the external device's manual or [www.volvocars.com](http://www.volvocars.com).
2. Press **OK/MENU**, select **Search new phone** (for media device **Search new device**).

- > The car will now search for available Bluetooth® devices, which can take approx. one minute.
3. Select the Bluetooth® device in the list to be connected, confirm with **OK/MENU**.
  4. Check that the specified number code in the car matches that in the external device. In which case, choose to accept in both places.
  5. Choose to accept or reject any options for phone contacts and messages.
    - > The external device is now connected.

If the connection failed, press **EXIT** and connect the device as described under Alternative 2.

### Alternative 2 - Search for the car with the Bluetooth® function of the external device.

1. Press **OK/MENU**, select **Make car discoverable** and confirm with **OK/MENU**.
2. Search with the external device for Bluetooth® devices.
  - > The device will now search for available Bluetooth® devices, which can take approx. one minute.
3. Select the car's name on the external device's screen.



4. Check that the specified number code in the car matches that in the external device. In which case, choose to accept in both places.
5. Choose to accept or reject any options for phone contacts and messages.
  - > The external device is now connected.

Once the external device is connected, its Bluetooth® name appears on the car's display screen and the unit can be controlled from the car.

#### Related information

- Audio and media - operating the system - see page 25
- Connecting and disconnecting a Bluetooth® device - see page 51

#### Automatic connection of Bluetooth® device

*When a Bluetooth® device is registered 52 in the car the last external device connected is connected automatically when it is within range.*

When the Bluetooth® function is active and the last device connected is in range it is connected automatically. When the car searches for the last device connected its name is shown in the display screen. If the last connected device is not available then the system will try to connect an earlier device.

To connect to another device, press **EXIT**, select to connect a new device<sup>52</sup> or change to another already registered device <sup>53</sup>.

#### Related information

- Audio and media - operating the system - see page 25
- Connecting and disconnecting a Bluetooth® device - see page 51

#### Changing to another Bluetooth® device

*It is possible to change from a connected device to another one if there are several devices in the car. The device must first have been registered 52 to the car.*

#### Changing media device

1. Check that the external device is searchable/visible via Bluetooth®, see the manual for the external device.
2. Press **MEDIA**, select **Bluetooth menu** and then **Change device**.
  - > The car searches for previously connected devices. The external devices detected are specified with their respective Bluetooth® name in the display screen.
3. Select the device to be connected.
  - > Connection of the external device takes place.

#### Changing phone

1. Check that the external device is searchable/visible via Bluetooth®, see the manual for the external device.
2. Press **TEL**, select **Phone menu** and then **Change phone**.
  - > The car searches for previously connected devices. The external devices detected are specified with their





respective Bluetooth® name in the display screen.

3. Select the device to be connected.
  - > Connection of the external device takes place.

### Related information

- Audio and media - operating the system - see page 25
- Connecting and disconnecting a Bluetooth® device - see page 51

### Disconnecting the Bluetooth® device

*When the Bluetooth® device is out of range of the car it is automatically disconnected.*

When the mobile phone has been disconnected an ongoing call can be continued by using the mobile phone's built-in microphone and speaker.

The handsfree function is deactivated when the engine is switched off and the door is opened<sup>13</sup>.

If you want to deregister a Bluetooth® device from the car, see see page 54. The car will then not search for the device automatically.

### Related information

- Audio and media - operating the system - see page 25
- Connecting and disconnecting a Bluetooth® device - see page 51
- Media Bluetooth® - see page 50
- Bluetooth® handsfree phone - see page 55

### Removing a Bluetooth® device

*If you do not want a Bluetooth® device registered to the car any longer then it is possible to remove (deregister) it from the car. The car will then not search for the device automatically.*

### Removing a media device

In normal view in media press **OK/MENU** and select **Bluetooth menu** → **Change device** → **Delete device**.

### Removing a phone

In normal view for phone press **OK/MENU** and select **Phone menu** → **Change phone** → **Delete device**.

### Related information

- Audio and media - operating the system - see page 25
- Connecting and disconnecting a Bluetooth® device - see page 51
- Media Bluetooth® - see page 50
- Bluetooth® handsfree phone - see page 55

<sup>13</sup>Only Keyless Drive.



## Bluetooth® handsfree phone

A mobile phone equipped with Bluetooth® can be connected wirelessly to the car.



Phone functions, controls overview.

The device must first be registered and connected to the car 52.


The audio and media system acts as hands-free, with the facility to remotely control a selection of the mobile phone's functions. The mobile phone can be operated by its own keys irrespective of whether or not it is connected.

When a mobile phone is connected to the car, it is also possible to simultaneously stream audio files from the phone or other Bluetooth®-connected media device, see see page 50. Change between the main sources **TEL** and **MEDIA** to manage each source's functions.


### **i** NOTE

Only a selection of mobile phones are fully compatible with the handsfree function. Volvo recommends that you seek assistance from an authorised Volvo dealer or visit [www.volvocars.com](http://www.volvocars.com) for information on compatible phones.

### Activate

A short press on **TEL** activates/searches last connected phone. If a phone is already connected, and **TEL** is pressed, a shortcut menu is shown with commonly used menu options for the phone. The  symbol indicates that a phone is connected.


### To call

1. Make sure that the  symbol appears at the top of the display screen and that the handsfree function is in phone mode.
2. Dial the number required, or in normal view turn **TUNE** to the right to access the phone book 57 and to the left for the call register for all calls.
3. Press **OK/MENU**.

The call is interrupted with **EXIT**.

### Reading a text message

The car mirrors the connected mobile phone's messages and only shows these when the mobile phone is connected.

If a connected telephone receives a text message the symbol  is shown at the top of the screen.

1. Press **TEL** and then press **OK/MENU** in order to access **Phone menu**.
2. Turn **TUNE** to **Messages** and press **OK/MENU**.
3. Turn **TUNE** to the message to be read out and press **OK/MENU**.  
> The message is shown on the screen.
4. Pressing **OK/MENU** accesses the message menu with options to e.g. allow the system voice to read out the message, call the sender of the message or delete the message.

If the main source **TEL** is already active then a pop-up menu with new messages is shown on the screen. Pressing **OK/MENU** shows the selected message while the system voice reads it out at the same time. The reading is interrupted with **EXIT**.

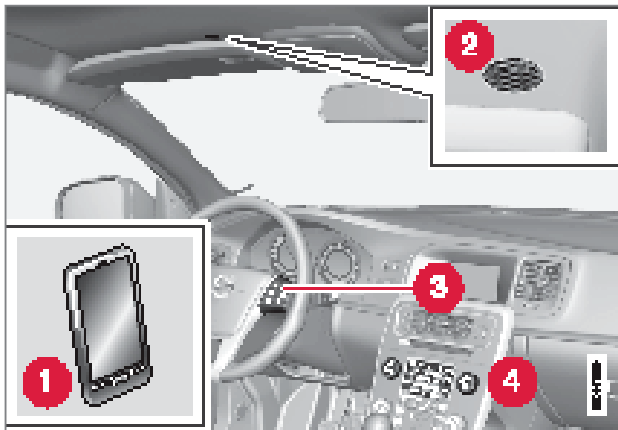
### **i** NOTE

To show the connected mobile phone's messages in the car, mirroring must be accepted in the mobile phone when it is connected.



## Bluetooth® handsfree phone - overview

System overview for Bluetooth® handsfree phone.



System overview

- 1** Mobile phone
- 2** Microphone
- 3** Steering wheel keypad\*
- 4** Control panel in centre console

### Related information

- Audio and media - operating the system - see page 25
- Bluetooth® handsfree phone - see page 55
- Connecting and disconnecting a Bluetooth® device - see page 51

## Making and receiving calls

Functions for handling phone calls.

### Incoming call

- Press **OK/MENU** to answer the call, even if the audio system is in e.g. **RADIO** or **MEDIA** mode.

Refuse or end with **EXIT**.

### In call menu

In telephone mode one press on **OK/MENU** during current call gives access to the following functions:

- **Mobile phone** - the call is transferred from handsfree to the mobile phone. For some mobile phones the connection is interrupted. This is normal. The handsfree function asks if you want to reconnect.
- **Mute** - audio system microphone is muted.
- **Dial number** - option to call a third party using the number keys (current call set in standby).

### Call register

The call register is mirrored in the handsfree function at each new connection and is then updated during the connection. In normal view, turn to the left with **TUNE** to see the call register.

In phone mode, it is possible to view the call register for the connected phone under **Phone menu** → **Call list**.

**i NOTE**

To show the connected mobile phone's call register in the car, mirroring must be accepted in the mobile phone when it is connected.

### Related information

- Audio and media - operating the system - see page 25
- Voice recognition - mobile phone - see page 64
- Bluetooth® handsfree phone - see page 55
- Bluetooth® handsfree phone - audio settings - see page 57
- Phone book - see page 57





## Bluetooth® handsfree phone - audio settings

It is possible to adjust the call volume, audio system volume and ring signal volume.

### Phone call volume

The phone call volume can only be changed during a call. Use the steering wheel keypad\* or turn the **VOL** control.

### Audio system volume

Providing there is no ongoing call taking place, the audio system volume is controlled as usual by turning **VOL**.

If an audio source is active on receipt of an incoming call then it is muted automatically.

### Ring signal volume

The ring signal volume can be changed by pressing the **SOUND** button, turning **TUNE** to **Ringtone volume** and pressing **OK/MENU**. Adjust the ring signal volume by turning **TUNE** and save the setting with **OK/MENU**.

### Ring signals

The handsfree-function's built-in ring signal is used for incoming calls.

#### NOTE


For certain mobile phones the connected mobile phone's ring signal is not switched off, and is then used at the same time as the handsfree system's built-in signal.

### Related information

- Audio and media - operating the system - see page 25
- Bluetooth® handsfree phone - see page 55

### Phone book

The car mirrors the connected mobile phone's phone book and only shows this phone book when the mobile phone is connected.

All use of the phone book requires that the  symbol appears at the top of the display screen and that the handsfree function is in phone mode.

If the phone book contains a ringing caller's contact information then this is shown in the display screen.

#### NOTE

To show the connected mobile phone's phone book in the car, mirroring must be accepted in the mobile phone when it is connected.

### Related information

- Audio and media - operating the system - see page 25
- Bluetooth® handsfree phone - see page 55
- Phone book - quick search for contacts - see page 58
- Phone book - character table keypad in centre console - see page 58
- Phone book - searching for contacts - see page 59



## Phone book - quick search for contacts

In normal view turn **TUNE** to the right to show a list of contacts.

Turn **TUNE** to select and press **OK/MENU** to call.

Under the name of the contact is the phone number that is selected by default. If the symbol ▼ appears to the right of the contact then there are several phone numbers stored for the contact. Press **OK/MENU** to show the numbers. Change and dial a number other than that selected by default by turning **TUNE**. Press **OK/MENU** to dial.

Search in the list of contacts by using the centre console's keypad to key in the start of the contact's name. For the function of the buttons, see see page 58.

### Related information

- Audio and media - operating the system - see page 25
- Bluetooth® handsfree phone - see page 55
- Phone book - see page 57

## Phone book - character table keypad in centre console

Character table of possible characters for use in the phone book.

Key	Function
1	Space . , - ? @ : ; / ( ) 1
2 <b>ABC</b>	A B C Å Ä Æ À Ç 2
3 <b>DEF</b>	D E F È É 3
4 <b>GHI</b>	G H I Ì 4
5 <b>JKL</b>	J K L 5
6 <b>MNO</b>	M N O Ö Ø Ñ Ò 6
7 <b>QRS</b>	P Q R S ß 7
8 <b>TUV</b>	T U V Ü Û 8
9 <b>WXYZ</b>	W X Y Z 9
★ <b>FAV</b>	Shift between upper and lower case letter.

Key	Function
0 <b>+</b>	+ 0 p w
# <b>INFO</b>	# *

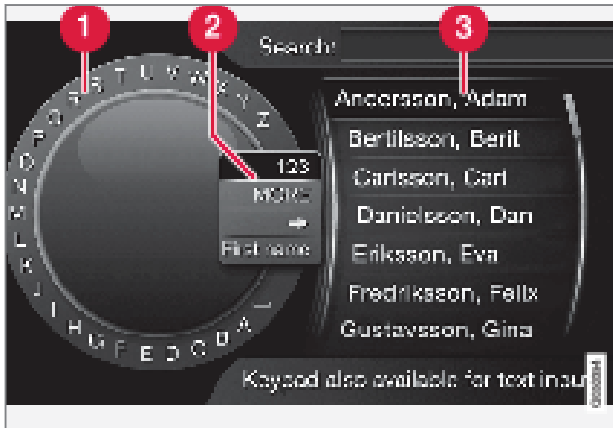
### Related information

- Audio and media - operating the system - see page 25
- Bluetooth® handsfree phone - see page 55
- Phone book - see page 57



## Phone book - searching for contacts

Searching for contacts in the phone book 57.



Searching using the daisy wheel.

- 1 Character list
- 2 Changing the input mode (see following table)
- 3 Phone book

To search for a contact, go in phone mode to **Phone menu** → **Contacts**.

1. Turn **TUNE** to the desired letter, press **OK/MENU** to confirm. The number and letter buttons on the control panel in the centre console can also be used.
2. Continue with the next letter and so on. The result of the search is shown in the phone book (3).

3. To change the input mode to numbers or special characters, or to go to the phone book, turn **TUNE** to one of the options (see explanation in the table below) in the list for changing the input mode (2), press **OK/MENU**.

/ABC	Change between letters and numbers with <b>OK/MENU</b> .
MORE	Change to special characters with <b>OK/MENU</b> .
⇒	Leads to the phone book (3). Turn <b>TUNE</b> to select a contact, press <b>OK/MENU</b> to see the saved numbers and other information.
First name/ Last name	Shift between sorting the phone book by first or last name.

A short press on **EXIT** deletes an input character. A long press on **EXIT** will clear all entered characters.

Pressing a number key in the centre console when the text wheel is shown (see previous illustration) shows a character list in the screen. Continue repeatedly pressing the number key to the desired letter or number and then release. Continue with the next letter and number, etc. When a button is

depressed the entry is confirmed when another button is depressed.

### Related information

- Audio and media - operating the system - see page 25
- Bluetooth® handsfree phone - see page 55



## Voice recognition

Voice recognition allows the driver to voice-activate certain functions in the multimedia system, in the radio, in a Bluetooth®-connected mobile phone or in Volvo's navigation system - RTI (Road and Traffic Information System)\*.

### **i** NOTE

- The information for voice recognition control of the mobile phone in this section describes the use of voice commands to control a **Bluetooth®-connected mobile phone**. For detailed information on using a Bluetooth®-connected mobile phone, see see page 55.
- The Volvo navigation system RTI (Road and Traffic Information System)\* has a separate user manual which contains more information on voice control and voice commands to control that system.

Voice commands offer convenience and help the driver to avoid being distracted, and instead concentrate on driving and focus attention on the road and traffic conditions.

### **!** WARNING

The driver always holds overall responsibility for driving the vehicle in a safe manner and complying with all applicable rules of the road.

The voice recognition system allows the driver to voice-activate certain functions in the multimedia system, in the radio, in a Bluetooth®-connected mobile phone or in Volvo's navigation system - RTI (Road and Traffic Information System)\*, while the driver can keep his/her hands on the steering wheel at the same time. The input data are in dialogue form with spoken commands from the user and verbal replies from the system. The voice recognition system uses the same microphone as the Bluetooth® handsfree-system (see see page 56) and the voice recognition system's replies come via the car's speakers.

## Getting started with voice recognition



Steering wheel keypad.

### **U** Button for voice recognition

- Press the button for voice recognition (1) in order to activate the system and initiate a dialogue with voice commands. The system will then display commonly used commands in the display screen in the centre console.

Keep the following things in mind when you use the voice recognition system:

- For a command - speak after the tone, with normal voice at normal speed.
- Do not speak while the system is replying (the system cannot understand commands during this time).
- The car's doors, windows and sunroof\* must be closed.
- Avoid background noise in the passenger compartment.



### **i** NOTE

If the driver is unsure of which command to use, he/she can say "**Help**" - the system then responds with several different commands which can be used in the current situation.

Voice recognition can be disabled by:

- saying "**Cancel**"
- Press **EXIT** or another main source button (e.g. **MEDIA**).

### Connecting a mobile phone

Before voice commands to a mobile phone can be used the mobile phone must be registered and connected via Bluetooth® hands-free. If a telephone command is given and no mobile phone is connected then the system will provide information about this. For information on registering and connecting a mobile phone, see see page 52.

### Related information


- Language options for voice recognition - see page 61
- Help functions for voice recognition - see page 62
- Voice recognition - settings - see page 62
- Voice recognition - voice commands - see page 63
- Voice recognition - quick commands - see page 63

### Language options for voice recognition

*Possible language options for voice recognition 60 are selected in the menu system **MY CAR**, see see page 13.*



*Language list.*

Voice recognition is not possible for all languages. Languages available for voice recognition are marked with an icon in the language list - . Changing the language is performed in the menu system **MY CAR**, see see page 13.

### **i** NOTE

Changing the language for voice recognition is not possible without also changing the language for whole the menu system.

### Related information

- Help functions for voice recognition - see page 62
- Voice recognition - settings - see page 62



## Help functions for voice recognition

Help functions are available to help you become familiar with the voice recognition system 60 and to give you the opportunity to teach the system your voice and your accent.

- **Voice recognition instructions:** A function that helps you get familiar with the system and the procedure for giving commands.
- **Voice training:** A function that enables the voice recognition system to learn to know your voice and your accent. The function provides an opportunity to voice train one user profile.
- **Brief instructions:** A function that reads out brief instructions about how the system works.

### NOTE

Voice recognition instructions and voice training can only be started when the car is parked.

## Voice recognition instructions

The instructions can be started in the menu system **MY CAR** under **Settings** → **Voice control settings** → **Tutorial**. For a description of the menu system, see see page 13.

The instructions are divided into 3 lessons, which take approximately 5 minutes in total to complete. The system starts with the first les-

son. To skip a lesson and go to the next one, press . Go back to the previous lesson by pressing .

End the instructions by pressing **EXIT**.

## Voice training

The system displays a number of phrases for you to say. Voice training can be started in the menu system **MY CAR** under **Settings** → **Voice control settings** → **Speaker adaptation**. For a description of the menu system, see see page 13.

After voice training has been completed, remember to select the profile 62 **Trained user** under **User setting**.

## Brief instructions

The system reads out brief instructions for voice recognition. The instructions are started by pressing the button for voice recognition 60 and saying "**Brief instructions**".

## Related information

- Language options for voice recognition - see page 61
- Voice recognition - settings - see page 62

## Voice recognition - settings

Several settings for the voice recognition system 60 can be made.

- **User setting** - Voice profile can be set in the menu system **MY CAR** under **Settings** → **Voice control settings** → **User setting**. Select between **Default** or **Trained user**. **Trained user** can only be selected if voice training 62 has been carried out. For a description of the menu system, see see page 13.
- **Synthetic voice speed** - Reading speed for the system's dynamic (not pre-recorded) text-to-speech voice can be changed in the menu system **MY CAR** under **Settings** → **Voice control settings** → **TTS speed**. Select between **Fast**, **Medium** and **Slow**. For a description of the menu system, see see page 13.
- **Voice recognition volume** - System voice volume can be changed by pressing the **SOUND** button, turning **TUNE** to **Voice control volume** and pressing **OK/MENU**. Adjust the voice volume by turning **TUNE** and save the setting with **OK/MENU**.

## Related information

- Language options for voice recognition - see page 61
- Help functions for voice recognition - see page 62





## Voice recognition - voice commands

*It is possible to voice control 60 certain functions in the multimedia system and in a Bluetooth®-connected mobile phone with predefined voice commands.*

The driver initiates a dialogue with voice commands by pressing the button for voice recognition 60.

Once a dialogue has been started, commonly used commands will be shown in the display screen.

When the driver becomes accustomed to the system, he/she can speed up the command dialogue and skip the prompts from the system, by briefly pressing the button for voice recognition.

### Commands can be given in several ways

The command for searching for an audio track in the media player can be given in several stages or as a short command:

- "**Media search**" > "**Track**" - Say "**Media search**", wait for the system to respond, and then go on to say "**Track**".

or

- "**Search for a track**" - Say the short command in a sequence.

### Related information

- Voice recognition - quick commands - see page 63
- Voice recognition - mobile phone - see page 64
- Voice recognition - radio - see page 65
- Voice recognition - multimedia - see page 65

## Voice recognition - quick commands

*Voice recognition 60 can be carried out using a number of predefined quick commands.*

Quick commands for the multimedia system and phone can be found in the menu system

**MY CAR** under **Settings** → **Voice control settings** → **Command list** → **Global commands**, **Phone commands**, **Media commands**, **Radio commands** and **Navigation commands**\*. For a description of the menu system, see see page 13.

The help text for each command tells whether the command can be used in all sources or if it can only be used in one source.

### Related information

- Voice recognition - voice commands - see page 63
- Voice recognition - mobile phone - see page 64
- Voice recognition - radio - see page 65
- Voice recognition - multimedia - see page 65



## Voice recognition - mobile phone

Voice control 60 a Bluetooth®-connected mobile phone to e.g. call a contact or dial a number.

The following dialogues are only examples; the system's response may vary depending on the situation.

### Dial a number

The system understands the numbers **0** (zero) to **9** (nine). These numbers can be pronounced individually, in groups of several numbers at a time, or the whole number all at once. Numbers greater than **9** (nine) cannot be handled by the system, e.g. **10** (ten) or **11** (eleven) are not possible.

The following dialogue with voice commands dials a number.

1. The user starts the dialogue by saying: "**Dial number**".
  - > The system responds with: "**Say the number**".
2. Start saying the numbers (as individual units, i.e. "**Six-eight-seven**" etc.) in the phone number.
  - > At the pause, the system will repeat the last spoken group of numbers.
3. Continue to say the numbers. When the whole number has been spoken, end by saying: "**OK**".
  - > The system dials the number.

The number can be changed the number by saying "**Correction**" (which deletes the last spoken group of numbers) or "**Delete**" (which deletes the whole spoken phone number). By saying "**Repeat**" the system will read out the whole spoken number.

### Call a contact

The following dialogue with voice commands calls a contact in the phone book.

1. The user starts the dialogue by saying: "**Call contact**".
  - > The system responds with: "**Say the name**".
2. Say the name of the contact.
  - > If only one contact is found then the system calls the contact, otherwise the system continues to give instructions for finding the right contact.

If a contact has multiple numbers entered in the phone book then it is possible to say, for example, "**Mobile**" or "**Work**" after the name in order to help the system.

### More commands

More commands for voice recognition control of the mobile phone can be found in the menu system **MY CAR** under **Settings** → **Voice control settings** → **Command list** → **Phone commands**. For a description of the menu system, see see page 13.

### Related information

- Voice recognition - radio - see page 65
- Voice recognition - multimedia - see page 65





## Voice recognition - radio

Voice control 60 the radio to e.g. change station.

The following dialogues are only examples; the system's response may vary depending on the situation.

### Change station

The following dialogue with voice commands changes the radio station.

1. The user starts the dialogue by saying: "**Select station**".
  - > The system responds with: "**Say the station's name**".
2. Say the name of the radio station.
  - > The system changes to the radio station's broadcast.

### Change frequency

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

The following dialogue with voice commands changes the radio frequency.

1. The user starts the dialogue by saying: "**Frequency**".
  - > The system responds with: "**Say the frequency**".
2. Say a frequency between 87.5 and 108.0 megahertz.

- > The system changes to the radio frequency.

### More commands

More commands for voice recognition control of the radio can be found in the menu system

**MY CAR** under **Settings** → **Voice control settings** → **Command list** → **Radio commands**. For a description of the menu system, see see page 13.

### Related information

- Voice recognition - mobile phone - see page 64
- Voice recognition - multimedia - see page 65

## Voice recognition - multimedia

Voice control 60 the multimedia system to e.g. change source or change track.

The following dialogues are only examples; the system's response may vary depending on the situation.

### Change source

The following dialogue with voice commands changes the media source.

- The user starts the dialogue by saying: "**Disc**".
  - > The system changes to the CD/DVD player.

Other sources are accessed by instead saying e.g. "**Bluetooth**", "**TV**" or "**USB**". The sources it is possible to change to depend on what is connected at the time, and whether there is any playable media in the source. If a media source is not available then the system explains why.

### Change track

The system understands the numbers **0** (zero) to **99** (ninety-nine). Numbers higher than **99** (ninety-nine) cannot be handled by the system, e.g. **100** (hundred) or **101** (hundred-and-one) are not possible.

**TV\***

The TV picture is only shown when the car is stationary. When the car is moving at a speed over approx. 6 km/h the picture disappears, although the audio is heard during this time. The picture reappears when the car has stopped.



TV functions, control overview.

For basic playback and navigation, read how the system is managed 25 and menu management 27. See below for a more detailed description.

**i NOTE**

This system only supports TV broadcasts in the countries that broadcast in MPEG-2 or MPEG-4 format and follow the DVB-T standard. The system does not support analogue broadcasts.

**i NOTE**

The TV picture is only shown when the car is stationary. The picture disappears when the car is moving at a speed above approx. 6 km/h, although the audio is heard during this time. The picture reappears when the car has stopped.

**i NOTE**

The reception is dependent both on how good the signal strength and signal quality are. The transmission may be disturbed by various factors such as tall buildings or the TV transmitter being far away. Coverage level can also vary depending on where in the country you are located.

**! IMPORTANT**

A TV licence is required for this product in some countries.

**Watch TV**



- Press **MEDIA**, turn **TUNE** until is shown in the display, press **OK/MENU**.
  - > A search starts and after a short while the most recently used channel is shown.

**Changing channel**

It is possible to change channel as follows:

- Turn **TUNE**, a list of all available channels in the area is shown. If any of these chan-

nels is already saved as a preset then its preset number is shown to the right of the channel name. Continue turning **TUNE** to reach the desired channel and press **OK/MENU**.

- By pressing the preset buttons (0-9).
- Via a short press on the  /  buttons the next available channel in the area is shown.

**i NOTE**

If the car has been moved within the country, for example, from one city to another, it is not certain that the presets are available at the new location as the frequency range may have changed. Then do another search and save a new preset list; see Save available TV channels as presets 75.

**i NOTE**

If no reception is available on the preset buttons, it may be because the car is at a location other than where the scan of TV channels was run, for example, if the car was driven from Germany to France. A new selection of country and a new search may then need to be carried out.



## Related information

- Searching TV\* channels/Preset list - see page 74
- TV\* - channel management - see page 75
- Information about the current TV\* programme - see page 75
- Teletext\* - see page 75
- Picture settings - see page 46
- Reception of TV\* channel is lost - see page 76

## Searching TV\* channels/Preset list

*After a search of TV channels the available channels are saved in a preset list.*

1. Press TV mode on **OK/MENU**.
2. Turn **TUNE** to **TV menu** and press **OK/MENU**.
3. Turn **TUNE** to **Select country** and press **OK/MENU**.
  - > If one or more countries have previously been selected then they are shown in a list.
4. Turn **TUNE** to either **Other countries** or one of the previously selected countries. Press **OK/MENU**.
  - > A list of all available countries is shown.
5. Turn **TUNE** to the desired country (e.g. Sweden) and press **OK/MENU**.
  - > An automatic scan for available TV channels starts, this scan takes a little while. During this time the figure for each channel found and added as a preset is shown. When the scan is complete a message is shown and the picture is shown. A preset list (max. 30 presets) has now been created and is available. To change channel, see Changing channel 73.

The scan and preset storage can be cancelled with **EXIT**.

## Related information

- Audio and media - operating the system - see page 25
- TV\* - see page 73
- TV\* - channel management - see page 75



## TV\* - channel management

The preset list can be edited. You can change the order of the channels that are shown in the preset list. A TV channel can have more than one place in the preset list. The TV channel positions can also vary in the preset list.

To change the order in the preset list, go in TV mode to **TV menu** → **Presets**.

1. Turn **TUNE** to the channel you want to move in the list and confirm with **OK/MENU**.
  - > The selected channel is highlighted.
2. Turn **TUNE** to the new location in the list and confirm with **OK/MENU**.
  - > The channels change places with each other.

After the preset channels (max. 30) come all the other channels available in the area. It is possible to move a channel up to a place in the preset list.

### Related information

- Audio and media - operating the system - see page 25
- TV\* - see page 73
- Searching TV\* channels/Preset list - see page 74

## Information about the current TV\* programme

Press the **INFO** button 25 in order to display information about the current programme, the next programme and its start time.

If the **INFO** button is pressed once more then additional information on the current programme can sometimes be displayed, such as start and end times and a brief description of the current programme.

To return to the TV picture, wait several seconds or press **EXIT**.


### Related information



- Audio and media - operating the system - see page 25
- TV\* - see page 73


## Teletext\*

It is possible to look at Teletext.

Proceed as follows:

1. Press the  button on the remote control.
2. Enter the page number (3 digits) with the number keys (0-9) to select page.
  - > The page is shown automatically.

Enter new page number, or press the remote control buttons  /  to go to the next page.

Return to TV screen with **EXIT** or by pressing the  button on the remote control.

It is also possible to control the teletext with the coloured buttons on the remote control.

### Related information

- Audio and media - operating the system - see page 25
- TV\* - see page 73
- Remote control\* - see page 76



## Reception of TV\* channel is lost

If the reception for the TV channel that is being shown disappears then the picture will freeze. When the reception returns the display starts again.

If the reception for the TV channel that is being shown disappears then the picture will freeze. Shortly after this a message appears informing that the reception has been lost for the current TV channel, and a new search for the channel continues. When the reception returns the display of the TV channel starts immediately. It is possible to change channel at any time when the message is shown.

If the message **No reception** is shown then this is because the system has detected that there is no reception for all TV channels. One possible reason may be that a border has been crossed and that the system is set to the wrong country. In which case, change to the right country in accordance with see page 74.

### Related information

- Audio and media - operating the system - see page 25
- TV\* - see page 73


## Remote control\*

The remote control can be used for all functions in the audio and media system. The remote control's buttons have the same functions as the buttons in the centre console or steering wheel keypad\*.



**1** Corresponds to **TUNE** in the centre console.



When using the remote control, first press the remote control's button  to position **F**. Then aim the remote control at the IR receiver, which is located to the right of the **INFO** button 25 in the centre console.

### WARNING

Keep loose objects such as mobile phones, cameras, remote controls for accessories, etc. in the glove compartment or other compartments. Otherwise they may injure people in the car in the event of sudden braking or a collision.

### NOTE







Do not expose the remote control to direct sunlight (e.g. on the instrument panel) - otherwise problems may arise with the batteries.











### Related information

- Audio and media - operating the system - see page 25
- Remote control\* - functions - see page 77
- Remote control\* - battery replacement - see page 78

### Remote control\* - functions

Possible functions to be controlled using the remote control.

Key	Function
	<b>F</b> = Front display screen <b>L</b> and <b>R</b> = Not possible options.
	Change to navigation*
	Change to radio source (e.g. AM)
	Change to media source (e.g. Disc, *)
	Change to Bluetooth® handsfree
	Scroll/fast rewind, change track/song
	Play/pause
	Stop
	Scroll/fast forward, change track/song
	Menu
	To previous, cancels function, deletes input characters

Key	Function
	Navigate up/down
	Navigate right/left
	Confirm selection or go to the menu system for the selected source
	Volume, decrease
	Volume, increase
0-9	Preset channels, number and letter input
	Shortcuts for favourite setting
	Information about the current programme, song, etc. Also used when there is more information available than can be shown in the display screen
	Selection of language for soundtrack
	Subtitles, selection of language for text
	Teletext*, On/Off



## Related information

- Audio and media - operating the system - see page 25
- Remote control\* - see page 76

## Remote control\* - battery replacement

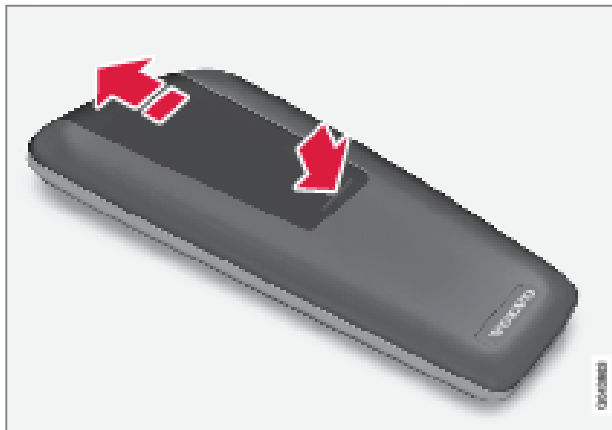
*How to replace the batteries in the remote control for the audio and media system.*

### **i** NOTE

Battery life is normally 1-4 years and depends on how much the remote control is used.

The remote control is powered by four batteries of the AA/LR6 type.

Take along extra batteries for a long journey.



1. Push down the catch on the battery cover and slide the battery cover in the direction of the infrared lens.
2. Remove the used batteries, turn the new batteries in accordance with the symbols in the battery compartment and fit them.
3. Refit the cover.

### **i** NOTE

Be sure to dispose of the exhausted batteries in an environmentally safe manner.

## Related information

- Remote control\* - see page 76





## Audio and media - menu overview

Overview of possible options and settings in the audio and media system menus.

If the text in a menu bar is light grey then it is not possible to select this option. This may be because the function is not available in the car, that the source is not active or connected, or does not contain anything.

### RADIO

- AM 79<sup>19</sup>
- FM 80
- DAB 81

### MEDIA

- CD/DVD Audio 81
- DVD Video 81
- Hard disk drive (HDD) 82
- iPod 83
- USB 83
- Media Bluetooth® 83
- AUX 84
- TV 85

### TEL

- Bluetooth® handsfree 84



- Internet-connected car 84

### Related information

- Audio and media - operating the system - see page 25
- Audio and media - menu navigation - see page 27

### Menu overview - AM

Overview of possible options and settings for AM radio.

Main menu AM <sup>A</sup> (AM menu)	See
Show presets	37
Show	
Radio text	40
Presets	37
None	
FAV key options	31
No function	
Toggle radio text or presets	40 and 37
Show presets	37

<sup>A</sup> Does not apply to V60 Plug-in Hybrid.

<sup>19</sup>Does not apply to V60 Plug-in Hybrid.





## Related information

- Audio and media - menu navigation - see page 27
- Menu overview 79

## Menu overview - FM

Overview of possible options and settings for FM radio.

Main menu FM (FM menu)	See
	39
<b>Alternative frequency</b>	
<b>Show</b>	
Radio text	40
Presets	37
None	
<b>Tune station by</b>	35
Station list	36
Manual tuning	36
<b>FAV key options</b>	31

No function	
Toggle radio text or presets	40 and 37

## Related information

- Audio and media - menu navigation - see page 27
- Menu overview 79



### Menu overview - Digital radio (DAB)\*

Overview of possible options and settings for DAB radio\*.

<b>Main menu DAB* (DAB menu)</b>	<b>See</b>
<b>Programme type (PTY) filtering</b>	39
<b>Show</b>	
Artist/Title	
Radio text	40
Presets	37
None	
<b>DAB-DAB linking</b>	41
<b>FAV key options</b>	31
No function	
Toggle show information	

#### Related information

- Audio and media - menu navigation - see page 27
- Menu overview 79

### Menu overview - CD/DVD Audio

Overview of possible options and settings for CD/DVD Audio.

<b>Main menu CD/DVD Audio (Disc menu)</b>	<b>See</b>
<b>Play/Pause</b>	42
<b>Stop</b>	
<b>Media search</b>	44
<b>Shuffle</b>	43
<b>FAV key options</b>	31
No function	
Play/Pause	42
Shuffle	43

#### Related information

- Audio and media - menu navigation - see page 27
- Audio and media - menu overview - see page 79

### Menu overview - DVD Video

Overview of possible options and settings for DVD Video.

<b>Main menu DVD Video (DVD video menu)</b>	<b>See</b>
<b>Play/Pause</b>	45
<b>DVD disc menu</b>	45
<b>Stop</b>	45
<b>Subtitles</b>	45
<b>Audio tracks</b>	45
<b>Advanced settings</b>	
Angles	46
Screen ratios	
<b>FAV key options</b>	31
No function	
Play/Pause	45



Next subtitle	45
Next audio track	45

<b>Pop-up menu, DVD Video</b>	
Press <b>OK/MENU</b> when a video file is being played back in order to access the pop-up menu.	
<b>Image settings</b>	46
<b>Video DVD menu</b>	27
<b>DVD disc menu</b>	45

- Related information**
- Audio and media - menu navigation - see page 27
  - Menu overview 79

**Menu overview - hard disk drive (HDD)**  
*Overview of possible options and settings for hard disk drive (HDD).*

Main menu, hard disk drive (HDD)	See page
<b>Play/Pause</b>	46
<b>Media search</b>	44
<b>Shuffle</b>	43
<b>Import music</b>	46
From disc	
From USB	
<sup>A</sup>	
<b>Rename/delete files</b>	46
Enter	
Rename	
Delete	
Delete all	

<b>Storage information</b>	46
Used space:	
Free space:	
Capacity:	
Tracks:	
Folders:	
<b>FAV key options</b>	46
No function	
Play/Pause	46
Shuffle	43

<sup>A</sup> Depending on market.

- Related information**
- Audio and media - menu navigation - see page 27
  - Menu overview 79



### Menu overview - iPod

Overview of possible options and settings for iPod®.

Main menu iPod (iPod menu)	See
Play/Pause	48
Shuffle	43
FAV key options	31
No function	
Play/Pause	48
Shuffle	43

#### Related information

- Audio and media - menu navigation - see page 27
- Audio and media - menu overview - see page 79

### Menu overview - USB

Overview of possible options and settings for USB.

Main menu USB (USB menu)	See
Play/Pause	48
Media search	44
Shuffle	43
Select USB partition	
FAV key options	31
No function	
Play/Pause	48
Shuffle	43

#### Related information

- Audio and media - menu navigation - see page 27
- Audio and media - menu overview - see page 79

### Menu overview - Media Bluetooth®

Overview of possible options and settings for Media Bluetooth®.

Main menu, Media Bluetooth® (Bluetooth menu)	See
Play/Pause	50
Shuffle	43
Change device	53
FAV key options	31
No function	
Play/Pause	50
Shuffle	43

#### Related information

- Audio and media - menu navigation - see page 27
- Menu overview 79



## Menu overview - AUX

Overview of possible options and settings for AUX.

Main menu AUX (AUX menu)	See
AUX input	50
Standard	
Boost	

### Related information

- Audio and media - menu navigation - see page 27
- Audio and media - menu overview - see page 79

## Menu overview - Bluetooth® handsfree

Overview of possible options and settings for Bluetooth® handsfree.


Main menu Bluetooth® handsfree (Phone menu)	See
Call list	56
Contacts	57
Messages	55
Change phone	53

### Related information

- Audio and media - menu navigation - see page 27
- Menu overview 79

## Menu overview - Internet-connected car

Overview of possible options and settings for Internet-connected car.

Main menu, Internet-connected car 	See page
Apps	69
Web browser	71
<b>Settings</b>	
Bookmarks	
Content filtering	
Accept cookies	
Text size	
Clear browsing data	
FAV key options	
<b>Delete bookmark</b>	
<b>Add bookmark</b>	



Stop	
Back	
Forward	
Reload	
New tab	
Close tab	
Zoom in	
Zoom out	

**Related information**

- Audio and media - menu navigation - see page 27
- Menu overview 79

**Menu overview - TV\***

Overview of possible options and settings for TV.

<b>Main menu TV (TV menu)</b>	<b>See</b>
<b>Presets</b>	74
<b>Audio tracks</b>	
<b>Subtitles</b>	
<b>Teletext</b> or <b>CAS information</b>	
<b>FAV key options</b>	31
No function	
Teletext	

<b>Pop-up menu TV</b> Press <b>OK/MENU</b> when the TV is being shown in order to access the pop-up menu.	<b>See page</b>
<b>Image settings</b>	46
<b>TV menu</b>	27

**Related information**

- Audio and media - menu navigation - see page 27
- Menu overview 79

## 04 Specifications

### **Type approval - Bluetooth®**

*Type approval for Bluetooth® can be read in the table.*



**Declaration of Conformity**

Country/ Area	
Countries in the EU:	<p data-bbox="436 454 761 542"><b>CEXXXX</b></p> <p data-bbox="436 566 1187 702">Exporting country: Japan Manufacturer: Mitsubishi Electric Corp. Type of equipment: Audio Navigation System</p> <div data-bbox="436 730 985 1417" style="border: 1px solid black; padding: 20px; text-align: center;"><p data-bbox="582 957 840 1133">Declaration Of Conformity</p></div>

## 04 Specifications

Country/ Area	
Czech Republic:	Mitsubishi Electric Corp. tímto prohlašuje, že tento Audio Navigation System je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Denmark:	Undertegnede Mitsubishi Electric Corp. erklærer herved, at følgende udstyr Audio Navigation System overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Germany:	Hiermit erklärt Mitsubishi Electric Corp. , dass sich das Gerät Audio Navigation System in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Estonia:	Käesolevaga kinnitab Mitsubishi Electric Corp. seadme Audio Navigation System vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
UK	Hereby, Mitsubishi Electric Corp., declares that this Audio Navigation System is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Spain:	Por medio de la presente Mitsubishi Electric Corp. declara que el Audio Navigation System cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Greece:	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Mitsubishi Electric Corp. ΔΗΛΩΝΕΙ ΟΤΙ Audio Navigation System ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.



Country/ Area	
France:	Par la présente Mitsubishi Electric Corp. déclare que l'appareil Audio Navigation System est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Italy:	Con la presente Mitsubishi Electric Corp. dichiara che questo Audio Navigation System è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latvia:	Ar šo Mitsubishi Electric Corp. deklarē, ka Audio Navigation System atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lithuania:	Šiuo Mitsubishi Electric Corp. deklaruoja, kad šis Audio Navigation System atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Netherlands:	Hierbij verklaart Mitsubishi Electric Corp. dat het toestel Audio Navigation System in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malta:	Hawnhekk, Mitsubishi Electric Corp., jiddikjara li dan Audio Navigation System jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.
Hungary:	Alulírott, Mitsubishi Electric Corp. nyilatkozom, hogy a Audio Navigation System megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

## 04 Specifications

Country/ Area	
Poland:	Niniejszym Mitsubishi Electric Corp. oświadcza, że Audio Navigation System jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Portugal:	Mitsubishi Electric Corp. declara que este Audio Navigation System está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovenia:	Mitsubishi Electric Corp. izjavlja, da je ta Audio Navigation System v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovakia:	Mitsubishi Electric Corp. týmto vyhlasuje, že Audio Navigation System spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Finland:	Mitsubishi Electric Corp. vakuuttaa täten että Audio Navigation System tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Sweden:	Härmed intygar Mitsubishi Electric Corp. att denna Audio Navigation System står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Iceland:	Mitsubishi Electric Corp. hereby certifies that this Audio Navigation System conforms to the essential characteristic requirements and other relevant regulations of directive 1999/5/EC.
Norway:	Mitsubishi Electric Corp. erklærer herved at utstyret Audio Navigation System er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Country/ Area	
United States of America:	<p>FCC CAUTION</p> <p>Changes or modifications not expressly approved by the party responsible for compliance could avoid the user's authority to operate the equipment.</p>
Canada:	<p>This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.</p> <p>Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.</p>


# 04 Specifications

Country/ Area	
Brazil:	<div data-bbox="452 360 1518 1070"><p>MODELO: XXXX HHHH-AA-FFFF</p><p><b>ANATEL</b></p><p>( 0 1 ) 0 7 8 9 N N N N N N N X</p><p>Este equipamento opera em caráter secundário isto é, não tem direito a proteção contra interferência prejudicial, mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.</p></div> <p data-bbox="443 1114 1025 1145">Para consultas, visite: <a href="http://www.anatel.gov.br">www.anatel.gov.br</a></p>

Country/ Area	
China:	<ol style="list-style-type: none"> <li>1. <ul style="list-style-type: none"> <li>■ 使用频率:2.4 - 2.4835 GHz</li> <li>■ 等效全向辐射功率(EIRP): 天线增益 &lt; 10dBi 时: ≤100 mW 或 ≤20 dBm</li> <li>■ 最大功率谱密度: 天线增益 &lt; 10dBi 时: ≤20 dBm / MHz(EIRP)</li> <li>■ 载频容限: 20 ppm</li> <li>■ 带外发射功率(在 2.4-2.4835GHz 频段以外) ≤-80 dBm / Hz (EIRP)</li> <li>■ 杂散发射(辐射)功率(对应载波 ±2.5 倍信道带宽以外):  <ul style="list-style-type: none"> <li>≤-36 dBm / 100 kHz (30 - 1000 MHz)</li> <li>≤-33 dBm / 100 kHz (2.4 - 2.4835 GHz)</li> <li>≤-40 dBm / 1 MHz (3.4 - 3.53 GHz)</li> <li>≤-40 dBm / 1 MHz (5.725 - 5.85 GHz)</li> <li>≤-30 dBm / 1 MHz (其它1 - 12.75 GHz)</li> </ul> </li> </ul> </li> <li>2.不得擅自更改发射频率、加大发射功率(包括额外加装射频功率放大器), 不得擅自外接天线或改用其它发射天线;</li> <li>3.使用时不得对各种合法的无线电通信业务产生有害干扰; 一旦发现有干扰现象时, 应立即停止使用, 并采取措施消除干扰后方可继续使用;</li> <li>4.使用微功率无线电设备, 必须忍受各种无线电业务的干扰或工业、科学及医疗应用设备的辐射干扰;</li> <li>5.不得在飞机和机场附近使用。</li> </ol>



# 04 Specifications

Country/ Area	
Mexico:	
South Korea:	<p>B 급 기기 (가정용 방송통신기자재) 이 기기는 가정용(B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.</p> <p>해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다</p>
Taiwan:	<p>經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。</p> <p>低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立停用，改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。</p>
The United Arab Emirates:	<div data-bbox="456 1134 797 1378" style="border: 1px solid black; padding: 5px;"> <p><b>TRA</b>  REGISTETED No.  001863433/09  DEARLER No.  0014517/08</p> </div>