

SOUND, MEDIA AND INTERNET

Sound, media and Internet

The audio and media system consists of media player and radio. You can also connect a phone via Bluetooth to use handsfree functions or play music wirelessly in the car. When the car is connected to the Internet you can also use apps for media playback.



Overview of audio and media

Control the functions with your voice, steering wheel keypad or the centre display. The number of speakers and amplifiers depends on which audio system the car is equipped with.

System updating

The audio and media system is continuously improved. It is recommended to download system updates when new ones are available.

Related information

- Media player (p. 478)
- Radio (p. 472)
- Phone (p. 494)
- Internet-connected car* (p. 505)
- Apps (p. 469)
- Voice recognition (p. 130)
- Ignition positions (p. 398)
- Driver distraction (p. 40)
- Managing system updates via the Download Centre (p. 571)
- License agreement for audio and media (p. 514)

Audio settings

The sound reproduction quality is preset, but it can be adjusted as well.

The volume is normally adjusted with the volume control below the centre display or with the right-hand steering wheel keypad. This applies, for example, during playback of music, radio, ongoing phone calls and active traffic messages.

Sound reproduction

The sound system is pre-calibrated 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 setting of the volume control and vehicle speed.

Personal preferences

Various settings are available in the top view under **Settings** → **Sound** depending on the car's audio system.

Premium Sound* (Harman Kardon)

- **Equaliser** – equalizer setting.
- **Balance** – balance between right/left loudspeakers and balance between front/rear loudspeakers.
- **System Volumes** – adjusts volume in the various systems of the car, e.g. **Voice**

* Option/accessory.

Control, Park Assist and Phone Ringtone.

High Performance*

- **Tone** – settings for bass, treble, equalizer, etc.
- **Balance** – balance between right/left loudspeakers and balance between front/rear loudspeakers.
- **System Volumes** – adjusts volume in the various systems of the car, e.g. **Voice Control, Park Assist and Phone Ringtone.**

Performance

- **Tone and Balance** – balance between speakers and setting of e.g. bass, treble and equalizer.
- **System Volumes** – adjusts volume in the various systems of the car, e.g. **Voice Control, Park Assist and Phone Ringtone.**

Related information

- Sound experience* (p. 469)
- Media player (p. 478)
- Settings for voice recognition (p. 134)
- Settings for phone (p. 501)
- Sound, media and Internet (p. 468)
- Internet-connected car* (p. 505)

Sound experience*

Sound experience is an app that provides access to further audio settings.

Sound Experience is opened from the app view in the centre display. The following settings can be defined, depending on the audio system fitted to the car:

- **Seat Optimisation** – the sound can be adjusted so that it can primarily be adapted for **Driver, All** and **Rear**.
- **Surround** – surround sound mode with level settings.
- **Tone** – settings for bass, treble, equalizer, etc.

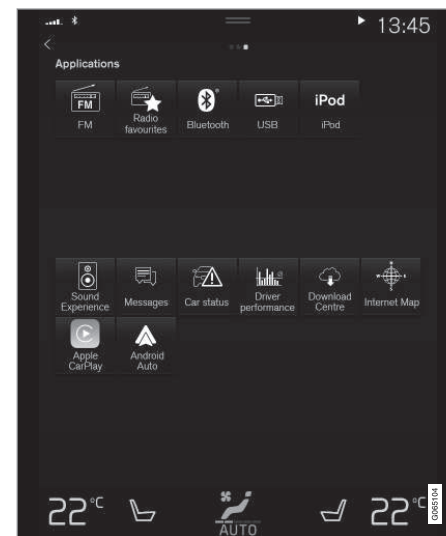
Related information

- Audio settings (p. 468)
- Navigating in the centre display's views (p. 103)

Apps

The app view contains apps that give access to some of the car's services.

Swipe from right to left¹ across the centre display's screen in order to access the app view from the home view. Apps that have been downloaded (third-party apps) and apps for embedded functions, such as **FM radio**, are found here.



App view (generic image, basic apps vary by market and model)

- ◀◀ Some basic apps are always available. More apps such as web radio and music services can be downloaded when the car is connected to the Internet.

Certain apps are only available for use if the car is connected to the Internet.

Start an app by pressing the app in the centre display's app view.

All the apps used should be updated to the latest version.

Related information

- Downloading apps (p. 470)
- Updating apps (p. 471)
- Deleting apps (p. 471)
- Apple® CarPlay®* (p. 487)
- Android Auto* (p. 491)
- Internet-connected car* (p. 505)
- Storage space on hard disk (p. 513)
- User terms and conditions and data sharing (p. 511)

Downloading apps

New apps can be downloaded when the car is connected to the Internet.

NOTE

Data download may affect other services that transmit data, e.g. Internet radio. If the effect on other services is experienced as disruptive then the download can be interrupted. Alternatively, it may be appropriate to switch off or interrupt other services.

NOTE

When downloading using a phone, pay extra attention to the data traffic costs.

1. Open the **Download Centre** app in the app view.



2. Select **New apps** in order to open a list of apps that are available but not installed in the car.

3. Tap on the row for an app in order to expand in the list and get more information about the app.
4. Select **Install** in order to start the download and installation of the desired app.
 - > The status of the download and installation is shown while it is in progress.

A message is shown if a download cannot be started for the moment. The app will remain in the list and it is possible to try to start a download again.

Cancelling the download

- Tap on **Abort** to cancel a download in progress.

Note that only the download can be cancelled, when the installation phase has started, this cannot be cancelled.

Related information

- Apps (p. 469)
- Updating apps (p. 471)
- Deleting apps (p. 471)
- Internet-connected car* (p. 505)
- Managing system updates via the Download Centre (p. 571)
- Storage space on hard disk (p. 513)

¹ Applies to left-hand drive cars. For right-hand drive cars - swipe in the opposite direction.

Updating apps

The apps can be updated when the car is connected to the Internet.

NOTE

Data download may affect other services that transmit data, e.g. Internet radio. If the effect on other services is experienced as disruptive then the download can be interrupted. Alternatively, it may be appropriate to switch off or interrupt other services.

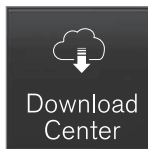
NOTE

When downloading using a phone, pay extra attention to the data traffic costs.

If an app is being used during an ongoing update, it will be restarted in order for the installation to be completed.

Update all

1. Open the **Download Centre** app in the app view.



2. Select **Install all**.
> Updating is started.

Update some

1. Open the **Download Centre** app in the app view.
2. Select **Application updates** in order to open a list of all available updates.
3. Locate the desired app and select **Install**.
> Updating is started.

Related information

- Apps (p. 469)
- Downloading apps (p. 470)
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- Internet-connected car* (p. 505)

Deleting apps

Apps can be uninstalled when the car is connected to the Internet.

An app that is being used must be closed in order for the uninstallation to be completed.

1. Open the **Download Centre** app in the app view.



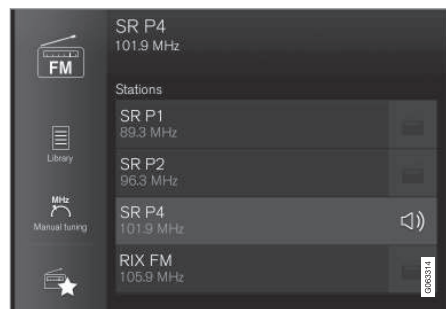
2. Select **Application updates** in order to open a list of all installed apps.
3. Locate the desired app and select **Uninstall** in order to start the uninstallation of the app.
> When the app has been uninstalled, it disappears from the list.

Related information

- Apps (p. 469)
- Downloading apps (p. 470)
- Updating apps (p. 471)
- Managing system updates via the Download Centre (p. 571)
- Internet-connected car* (p. 505)

Radio

It is possible to listen to the AM² and FM radio frequency bands and to digital radio (DAB)*. When the car is online, it is also possible to listen to Internet radio.



The radio can be operated using voice recognition, the steering wheel keypad or the centre display.

Related information

- Start radio (p. 472)
- Changing radio band and radio station (p. 473)
- Save radio channels in the Radio Favourites app (p. 475)

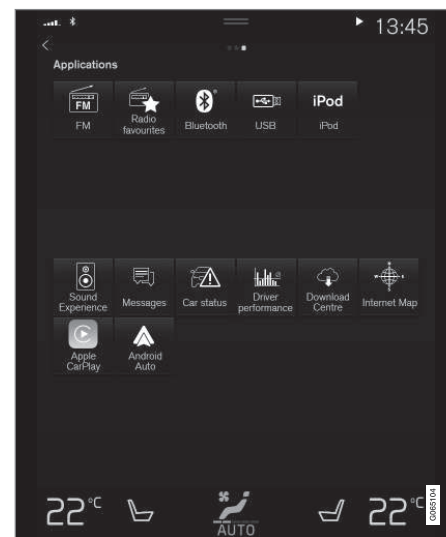
² Availability varies depending on model and/or market.

- Settings for radio (p. 475)
- Digital radio* (p. 477)
- RDS radio (p. 477)
- Internet-connected car* (p. 505)
- Voice control of radio and media (p. 134)
- Media player (p. 478)

Start radio

The radio is started from the centre display app view.

1. Open the required frequency band (e.g. **FM**) from the app view.



2. Select a radio station.

Related information

- Radio (p. 472)
- Searching for radio stations (p. 474)
- Changing radio band and radio station (p. 473)
- Save radio channels in the Radio Favourites app (p. 475)
- Settings for radio (p. 475)
- Voice control of radio and media (p. 134)

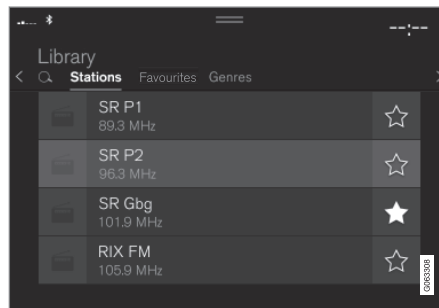
Changing radio band and radio station

There are instructions here for changing the radio band, the list in the radio band and the radio station in the selected list.

Changing radio band

Swipe to show the app view in the centre display and select the preferred radio band (e.g. **FM**), or open the driver display's app menu using the right-hand keypad on the steering wheel and make your selection from there.

Changing lists within the frequency band



1. Press **Library**.

2. Select playback from **Stations**, **Favourites**, **Genres** or **Ensembles**³.
3. Tap on the desired station from the list.

Favourites - only plays back selected favourite channels.

Genres - only plays back channels broadcasting the selected genre/programme type, e.g. pop or classical.

Changing stations within the selected list

- Press on **⏮** or **⏭** under the centre display or the steering wheel's right-hand keypad.
 - > The highlight moves up or down one place in the selected playlist.

You can also change radio station in the selected list via the centre display.

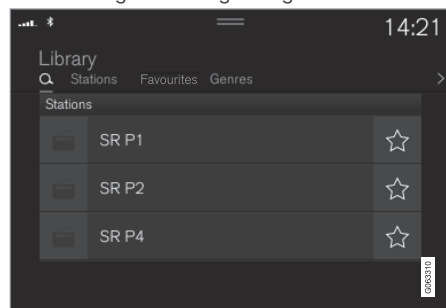
Related information

- Radio (p. 472)
- Searching for radio stations (p. 474)
- Voice control of radio and media (p. 134)
- Save radio channels in the Radio Favourites app (p. 475)
- Settings for radio (p. 475)
- App menu in the driver display (p. 91)

³ Only applies to digital radio (DAB*).

Searching for radio stations

The radio automatically compiles a station list of the radio stations within the area that are transmitting the strongest signals.

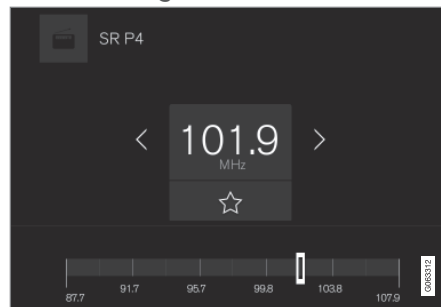


The parameters you can search on depend on the frequency band selected:

- AM⁴ - station and frequency.
 - FM - station, genre and frequency.
 - DAB* - ensembles and stations.
1. Press **Library**.
 2. Press **Q**.
 - > Search view with keyboard is opened.
 3. Enter the search terms.
 - > Searching takes place with each input of a character and the search results are shown by category.

⁴ Availability varies depending on model and/or market.

Manual tuning



Searching manually makes it possible to find and tune to stations that are not on the automatically compiled list of the strongest stations in the area.

On changing over to manual tuning, the radio no longer changes frequency automatically when reception is poor.

- Press **Manual tuning**, pull the control or press **KK** or **DD**. With a long press, the search jumps to the next available station in the frequency band. It is also possible to use the right keypad on the steering wheel.

Related information

- Radio (p. 472)
- Start radio (p. 472)
- Changing radio band and radio station (p. 473)
- Voice control of radio and media (p. 134)
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Save radio channels in the Radio Favourites app

It is possible to add a radio channel to the **Radio favourites** app and the favourites list for the radio band (e.g. FM). Instructions on how to add and remove radio channels can be found below.

Radio Favourites



The Radio Favourites app shows saved radio channels from all frequency bands.

1. Open the app **Radio favourites** from the app view.
2. Tap on the desired station in the list to start listening.

Adding and removing radio favourites

1. Tap on ☆ to add a channel to or from frequency band favourites and the Radio Favourites app.
2. Tap on **Library**, select **Edit** and tap on 🗑️ to remove a radio channel from the favourites.

When a radio channel is saved from a station list, the radio will automatically search for the best frequency. But if a radio channel is saved

from a manual station search, the radio does not automatically change to a stronger frequency.

If a radio channel is removed from the Radio Favourite app, the channel will also be removed from the favourites list for the relevant frequency band.

Related information

- Radio (p. 472)
- Start radio (p. 472)
- Searching for radio stations (p. 474)
- Changing radio band and radio station (p. 473)
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- App menu in the driver display (p. 91)

Settings for radio

There are various radio functions to activate and deactivate.

Cancelling traffic messages

The broadcast of traffic messages etc. can be temporarily interrupted by tapping on ○ in the right-hand steering wheel keypad or by tapping on **Cancel** in the centre display.

Activating and deactivating radio functions

Drag down the top view and select **Settings** → **Media** and the desired radio band to view available functions.

◀◀ **AM/FM Radio⁵**

- **Show Broadcast Information:** shows information on programme content, artists, etc.
- **Freeze Program Name:** select to stop the programme service name from scrolling continuously. Instead it freezes after 20 seconds.
- **Select Announcements:**
 - **Local Interruptions:** interrupts the current media playback and broadcasts information about traffic disruptions in the neighbourhood. Playback of previous media source is resumed when the message is finished. The **Local Interruptions** function is a geographically restricted version of the **Traffic Announcements** function. The **Traffic Announcements** function must be activated at the same time.
 - **News :** interrupts the current media playback and broadcasts news. Playback of previous media source is resumed when the news broadcast is finished.
 - **Alarm:** interrupts the current media playback and sends alerts about major accidents and disasters. Playback of previous media source is resumed when the message is finished.

- **Traffic Announcements:** interrupts the current media playback and broadcasts information about traffic disruptions. Playback of previous media source is resumed when the message is finished.

DAB* (digital radio)

- **Sort Services:** option for how channels will be sorted. Either alphabetically or by service number.
- **DAB To DAB Handover:** starts the function for linking within DAB. If reception of a radio channel is lost, another channel is found automatically in another channel group (ensemble).
- **DAB To FM Handover:** starts the function for linking between DAB and FM. If reception of a radio channel is lost, an alternative FM frequency is searched for automatically.
- **Show Broadcast Information:** select to show radio text or selected types of radio text, e.g. artist.
- **Show Program Related Images:** select whether or not to show images for programmes on the screen.
- **Select Announcements:** select the types of messages to be received while DAB is playing. Selected messages will interrupt the current media playback to play back

the message. Playback of previous media source is resumed when the message is finished.

- **Alarm:** interrupts the current media playback and sends alerts about major accidents and disasters. Playback of previous media source is resumed when the message is finished.

- **Traffic Flash:** receives information about traffic disruptions.

- **News Flash:** receives news.

- **Transport Flash:** receives information about public transport, e.g. ferry and train timetables.

- **Warning/Services:** receives information about incidents of lower significance than the Alarm function, e.g. power failures.

Related information

- Radio (p. 472)
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- Symbols in the centre display's status bar (p. 112)

⁵ AM radio availability varies depending on model and/or market.

RDS radio

RDS (Radio Data System) means that the radio automatically changes to the strongest transmitter. RDS provides the ability to receive e.g. traffic information and to search for certain programme types.

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

- Switch automatically to a stronger transmitter if reception in the area is poor.
- Search for programme category, e.g. programme types or traffic information.
- Receive text information on current radio programme.

i NOTE

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

When broadcasting news or traffic messages, the radio can switch stations, interrupting the audio source currently in use. The radio returns to the previous audio source and volume when the set programme type is no longer broadcast. To go back earlier, press **O** on the right-hand steering wheel keypad or tap **Cancel** in the centre display.

Related information

- Radio (p. 472)
- Settings for radio (p. 475)

Digital radio*

Digital radio (DAB⁶) is a digital broadcasting system for radio. The radio supports DAB, DAB+ and DMB⁷.



The radio can be operated using voice recognition, the steering wheel keypad or the centre display.



The digital radio app is launched from app view in the centre display.

Digital radio is played back in the same way as other radio bands, such as FM. Besides the option to select playback from **Stations**, **Favourites** and **Genres**, there is also the option to select playback from subchannels and **Ensembles**. An ensemble is a set of radio channels (a channel group) broadcasting on the same frequency.

In the cases where the radio channel transmits its logotype, it is downloaded and shown beside the station name (download time varies).

⁶ Digital Audio Broadcasting

◀ DAB subchannel

Secondary components are usually named subchannels. These are temporary and can contain e.g. translations of the main programme into other languages. Subchannels are indicated with an arrow symbol in the channel list.

Related information

- Link between FM and digital radio* (p. 478)
- Changing radio band and radio station (p. 473)
- Searching for radio stations (p. 474)
- Save radio channels in the Radio Favourites app (p. 475)
- Voice control of radio and media (p. 134)
- Settings for radio (p. 475)

Link between FM and digital radio*

The function enables the digital radio (DAB) to switch from a channel with poor or no reception to the same channel in another channel group (ensemble) with better reception, within DAB and/or between DAB and FM.

DAB to DAB and DAB to FM linking

1. Press **Settings** in the top view.
2. Press **Media → DAB**.
3. Tick/untick **DAB To DAB Handover** and/or **DAB To FM Handover** in order to activate/deactivate the respective functions.

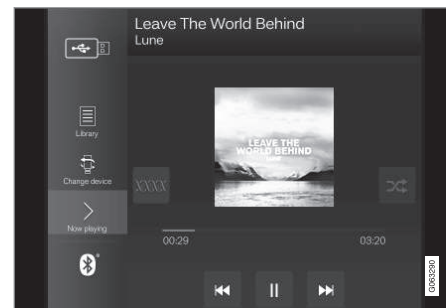
Related information

- Digital radio* (p. 477)
- Radio (p. 472)
- Settings for radio (p. 475)

Media player

The media player can play back audio from external audio sources connected via the USB port or Bluetooth. It can also play back video format via the USB port.

When the car is connected to the internet, it is also possible to listen to web radio, audio books and music services via apps.



The media player is operated from the centre display, but several functions can be operated using the steering wheel's right-hand keypad or voice control.

The radio is operated in the media player and is described in a separate section.

⁷ Digital Multimedia Broadcasting

Related information

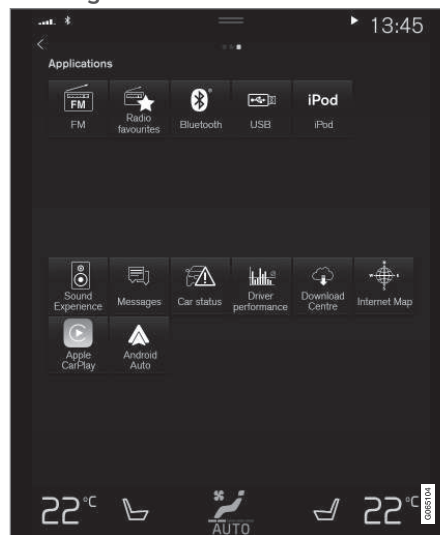
- Media playback (p. 479)
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- Radio (p. 472)
- Video (p. 483)
- Media via Bluetooth® (p. 484)
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Media playback

The media player is controlled from the centre display. Several functions can also be operated using the steering wheel's right-hand keypad or voice control.

The media player also operates the radio, which is described in a separate section.

Starting the media source



App view. (Generic image, basic apps vary by market and model.)

USB memory

1. Insert the USB memory.
2. Open the app **USB** from the app view.
3. Select what to play back.
> Playback begins.

Mp3 player and iPod®

NOTE

To start playback from iPod, use the iPod app (not USB).

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

1. Connect media source.
2. Start playback from the connected media source.
3. Open the app (**iPod**, **USB**) from the app view.
> Playback begins.

Bluetooth connected device

1. Activate Bluetooth in the media source.
2. Connect media source.
3. Start playback from the connected media source.
4. Open the app **Bluetooth** from the app view.
 - > Playback begins.

Media with Internet connection

Play back media from Internet-connected apps:

1. Connect the car to the Internet.
2. Open the current app from the app view.
 - > Playback begins.

Read the separate section on how apps are downloaded.

Video

1. Connect media source.
2. Open the app **USB** from the app view.
3. Tap on the title of the desired item to play back.
 - > Playback begins.

Apple CarPlay

CarPlay is described in a separate section.

Android Auto

Android Auto is described in a separate section.

Related information

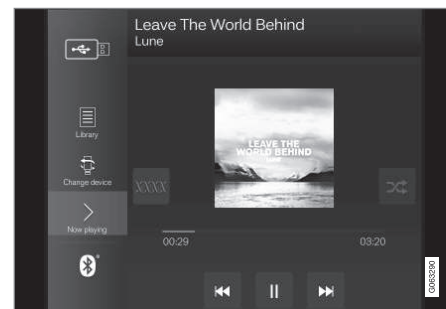
- Managing the app menu in the driver display (p. 92)
- Radio (p. 472)
- Controlling and changing media (p. 480)
- Connecting a device via USB port (p. 485)
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- Downloading apps (p. 470)
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- Voice control of radio and media (p. 134)
- Compatible media formats (p. 486)

Controlling and changing media

The playback of media can be controlled with voice control, steering wheel keypad or the centre display.



The media player can be operated by voice recognition, from the steering wheel keypad or the centre display.




Volume - turn the control knob under the centre display or press ▲ ▼ on the steering wheel's right-hand keypad in order to increase or decrease the volume.

Play/pause - tap on the image belonging to the song being played back, the physical button under the centre display or ○ on the steering wheel's right-hand keypad.

Change track/song - tap on the desired track in the centre display, press on ⏮ or ⏭ under the centre display or on the steering wheel's right-hand keypad.

Fast forward/move in time - tap on the time axis in the centre display and drag sideways, or press and hold ⏮ or ⏭ under the centre display or on the steering wheel's right-hand keypad.

Changing media - select from previous sources in the app, in the app view, press on the desired app or select with the steering wheel's right-hand keypad via the app menu .



Library - tap on the button to play back from the library.



Shuffle - tap on the button to shuffle the playback order.



Similar - tap on the button in order to use Gracenote to search for similar music on the USB device and to create a playlist from it. The playlist can contain a maximum of 50 songs.



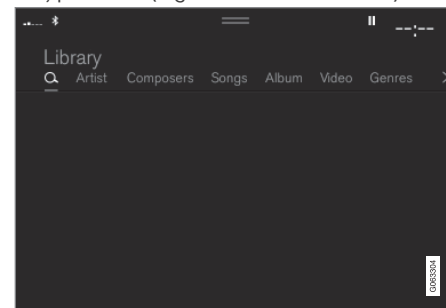
Change device - tap on the button in order to switch between USB devices when several are connected.


Related information

- Media player (p. 478)
- Searching media (p. 481)
- Audio settings (p. 468)
- Apps (p. 469)
- Gracenote® (p. 482)
- Voice control of radio and media (p. 134)

Searching media

It is possible to search by artist, composer, song titles, album, video, audio book, playlist and, when the car is connected to the Internet, podcasts (digital media via Internet).



1. Press .
> Search view with keyboard is opened.
2. Enter the search terms.
3. Press **Search**.
> Connected devices are searched and the search results are listed by category.

Swipe sideways across the screen to show each category separately.

Related information

- Media player (p. 478)
- Internet-connected car* (p. 505)



- Media playback (p. 479)
- Enter the characters, letters and words manually in the centre display (p. 117)

Gracenote®

Gracenote identifies artist, album, song titles and associated images, which are shown during playback.

Gracenote MusicID® is a standard for music recognition. Information on the music can be presented by means of the identification and analysis of the metadata in the music files. Sometimes metadata from different sources can be inconsistent or inadequate.

Gracenote has support for phonetic processing of artist name, album titles and genres, and in this way, voice control can be used to play back music.

1. Press **Settings** in the top view.
2. Press **Media → Gracenote®**.
3. Select settings for Gracenote data:
 - **Gracenote® Online Search** - searches in Gracenote's online database for playing media.
 - **Gracenote® Multiple Results** - selects how to display Gracenote data if there are more than one search results.
 - 1 - the file's original data are used.
 - 2 - Gracenote data are used.
 - 3 - Gracenote or original data can be selected.
 - **None** - no results are shown.

Updating Gracenote

The content of the Gracenote database is updated continuously. Download the latest update to take advantage of improvements.

For information and download, see www.volvocars.com/intl/support.

Related information

- Media playback (p. 479)
- License agreement for audio and media (p. 514)
- Voice control of radio and media (p. 134)

Video

Videos on USB-connected devices can be played back using the media player.

No picture is shown when the car starts to move, but only the audio is played back. The picture is shown again when the car is stationary.

Information on compatible formats for media can be found in a separate section.

Related information

- Playing a video (p. 483)
- Playing back DivX® (p. 483)
- Settings for video (p. 484)
- Compatible media formats (p. 486)

Playing a video

Videos are played using the **USB** app in the app view.

1. Connecting a media source (USB device).
2. Open the app **USB** from the app view.
3. Tap on the title of the desired item to play back.
 - > Playback begins.

Finding video files may be problematic if the USB device also contains music and audio tracks. In this case, it is possible to find them by going to **Library** and selecting the video tab.

Related information

- Video (p. 483)
- Playing back DivX® (p. 483)
- Settings for video (p. 484)
- Compatible media formats (p. 486)

Playing back DivX®

This DivX Certified® device must be registered in order to play back purchased DivX Video-on-Demand (VOD) films.

1. Press **Settings** in the top view.
2. Tap **Video → DivX® VOD** and retrieve the registration code.
3. Go to vod.divx.com for more information and to complete the registration.

Related information

- Video (p. 483)
- Playing a video (p. 483)
- Settings for video (p. 484)
- Compatible media formats (p. 486)

Settings for video

Certain language settings can be changed for video playback.

With the video player in full screen mode, or by opening the top view and pressing

Settings → Media → Video, the following can be adjusted: **Audio Language** and **Subtitle Language**.

Related information

- Video (p. 483)

Media via Bluetooth®

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

For the media player to be able to play back audio files wirelessly from an external device, the device must first be connected to the car via Bluetooth.

Related information

- Connecting a device via Bluetooth® (p. 484)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Media playback (p. 479)
- Compatible media formats (p. 486)

Connecting a device via Bluetooth®

Connect a Bluetooth® device to the car for wireless playback of media and to provide the car with an Internet connection where possible.

Many phones on the market now have wireless Bluetooth® technology, but not all of them are fully compatible with the car.

For information on compatibility, see support.volvocars.com.

The procedure for connecting a media device is the same as for connecting a phone to the car via Bluetooth®.

Related information

- Media via Bluetooth® (p. 484)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Media playback (p. 479)

Media via USB port

An external audio source, e.g. an iPod® or MP3 player, can be connected to the audio system via the car's USB port.

Devices with rechargeable batteries are recharged when connected via USB and the ignition is in position **I**, **II** or the engine is running.

The content of the external source can be loaded more quickly if it only consists of compatible formats. Video files can also be played back via the USB port.

Certain MP3 players have their own file system that the car does not support.

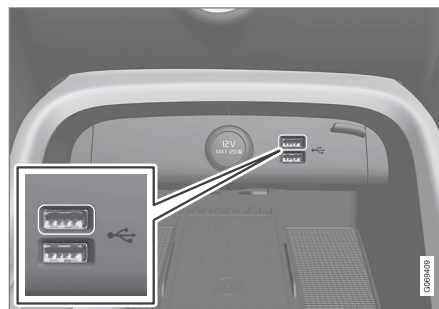
Related information

- Connecting a device via USB port (p. 485)
- Media playback (p. 479)
- Video (p. 483)
- Ignition positions (p. 398)
- Technical specifications for USB devices (p. 486)
- Apple® CarPlay®* (p. 487)
- Android Auto* (p. 491)

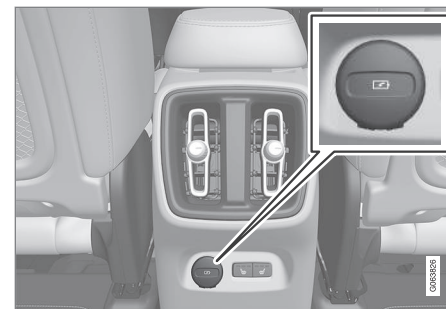
Connecting a device via USB port

An external audio source, e.g. an iPod® or MP3 player, can be connected to the audio system via one of the car's USB ports.

The phone must be connected to the USB port with white frame (when there are two USB ports) when using Apple CarPlay* and Android Auto*.



USB inputs (type A) under the centre display.



USB input* (type C) on rear of tunnel console for charging telephones and tablets for example⁸.

Related information

- Media playback (p. 479)
- Media via USB port (p. 485)
- Media player (p. 478)
- Technical specifications for USB devices (p. 486)
- Technical specifications for USB devices (p. 486)
- Apple® CarPlay®* (p. 487)
- Android Auto* (p. 491)

⁸ It is not possible to playback media in the car's audio or media system via this input.

Technical specifications for USB devices

The following specifications must be met to allow the contents of the USB devices to be read.

No folder structure will be shown in the centre display during playback.

	Max number
Files	15 000
Folders	1 000
Folder levels	8
Playlists	100
Items in a playlist	1 000
Subfolders	No limit

Technical specification for USB A connector

- Type A socket
- Version 2.0
- Voltage supply 5 V
- Current supply max. 2.1 A

Technical specification for USB C connector

- Type C socket
- Version 3.1

- Voltage supply 5 V
- Current supply max. 3.0 A

Related information

- Media via USB port (p. 485)

Compatible media formats

The following file formats must be used for media playback.

Audio files

For- mat	File extension	Codec
MP3	.mp3	MPEG1 Layer III, MPEG2 Layer III, MP3 Pro (mp3 compatible), MP3 HD (mp3 compatible)
AAC	.m4a, .m4b, .aac	AAC LC (MPEG-4 part III Audio), HE-AAC (aacPlus v1/v2)
WMA	.wma	WMA8/9, WMA9/10 Pro
WAV	.wav	LPCM
FLAC	.flac	FLAC

Video files

Format	File extension
MP4	.mp4, .m4v
MPEG-PS	.mpg, .mp2, .mpeg, .m1v

Format	File extension
AVI	.avi
AVI (DivX)	.avi, .divx
ASF	.asf, .wmv

Subtitles

Format	File extension
SubViewer	.sub
SubRip	.srt
SSA	.ssa

DivX®

DivX certified devices have been tested for high-quality DivX (.divx, .avi) video playback. When you see the DivX logo, you have the freedom to play DivX films.

Profile	DivX Home Theater
Video codec	DivX, MPEG-4
Resolution	720x576
Bit rate	4.8Mbps
Frame rate	30 fps
File extension	.divx, .avi
Max file size	4 GB

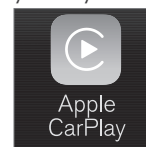
Audio codec	MP3, AC3
Subtitles	XSUB
Special functions	Multiple subtitles, multiple audio, resume play
Reference	Meets all requirements of the DivX Home Theater profile. Visit divx.com for more information and software tools to convert your files into DivX Home Theater video.

Related information

- Media player (p. 478)
- Video (p. 483)
- Playing back DivX® (p. 483)

Apple® CarPlay®*

CarPlay gives you the option to listen to music, make phone calls, get directions, send/receive messages and use Siri, all while you stay focused on your driving.



CarPlay works with selected iOS devices. If the car does not already support CarPlay there is the option to install it retroactively. Contact a Volvo dealer to install CarPlay.



Information about which apps are supported and which iOS devices are compatible is available on Apple's website: www.apple.com/ios/carplay/. Using apps that are not compatible with CarPlay may sometimes mean that the connection between the device and the car is broken. Please note that Volvo is not responsible for the content in CarPlay.

When using map navigation via CarPlay no guidance is shown in the driver display, but only in the centre display.

When navigation is started through Apple CarPlay, ongoing native turn-by-turn route guidance will be ended.

The CarPlay apps can be controlled via the centre display, the iOS device or using the steering wheel's right-hand keypad (applies to certain functions). The apps can also be voice-controlled using Siri. A long press on the



◀◀ steering wheel button  starts voice control using Siri and a short press activates the car's own voice control. If Siri breaks off too early, hold the steering wheel button  ⁹ depressed.

By using Apple CarPlay you acknowledge the following: Apple CarPlay is a service provided by Apple Inc. under its terms and conditions. Volvo Cars is thus not responsible for Apple CarPlay or its features/applications. When using Apple CarPlay, certain information from your car (including its position) is transferred to your iPhone. In relation to Volvo Cars, you are fully responsible for your and any others person's use of Apple CarPlay.


Related information

- Using Apple® CarPlay®* (p. 488)
- Settings for Apple® CarPlay®* (p. 490)
- Voice recognition (p. 130)
- Resetting settings in the centre display (p. 122)

Using Apple® CarPlay®*

To use CarPlay, Siri voice control must be activated on your iOS device. The device also needs an Internet connection via Wi-Fi or the mobile network for all functions to work.

Connect an iOS device and start CarPlay

 **NOTE**

CarPlay can only be used if Bluetooth is deactivated. A phone or media player connected to the car via Bluetooth will therefore not be available when CarPlay is active. An alternative Internet source must be used to connect to the Internet for the car's apps. Use Wi-Fi or the car's built-in modem*.

To start CarPlay from an iOS device that has not been connected previously:

1. Connect an iOS device with support for CarPlay to the USB port. In the cases where there are two USB ports, the one with the white frame around the port must be used.

2. Read the terms and conditions and then tap on **Accept** to connect.
 - > The subview with CarPlay is opened and compatible apps are shown.
3. Tap on the desired app.
 - > The app starts.

⁹ Apple and CarPlay are registered trademarks owned by Apple Inc.

Starting CarPlay

To start CarPlay from an iOS device that has been connected previously:

1. Connect an iOS device to the USB port. In the cases where there are two USB ports, the one with the white frame around the port must be used.
 - > **If the setting for automatic start is selected** - the name of the device will be shown. The tile with CarPlay is opened automatically in the cases where the home view is shown when connecting the iOS device.
2. If the tile with CarPlay does not open automatically, tap on the device name. The subview with CarPlay is opened and compatible apps are shown.
3. If an app is active in the same tile, tap on **Apple CarPlay** in the app view.
 - > The subview with CarPlay is opened and compatible apps are shown.
4. Tap on the desired app.
 - > The app starts.

CarPlay runs in the background if another app is started, or is already active when connecting, in the same tile. To show CarPlay in the subview again - tap on the CarPlay icon in the app view.

Switch the connection between CarPlay and iPod

CarPlay to iPod

1. Press **Settings** in the top view.
2. Continue to **Communication → Apple CarPlay**.
3. Untick the box for the iOS device that shall no longer start CarPlay automatically when the USB cable is connected.
4. Disconnect and connect the iOS device to the USB port.
5. Open the app **iPod** from the app view.

iPod to CarPlay

1. Tap on **Apple CarPlay** in the app view.
2. Read the information in the pop-up window and then tap on **OK**.
3. Disconnect and connect the iOS device to the USB port.
 - > The subview with Apple CarPlay is opened and compatible apps are shown¹⁰.

Related information

- Connecting a device via USB port (p. 485)
- Apple® CarPlay®* (p. 487)
- Settings for Apple® CarPlay®* (p. 490)

- Connect the car to the Internet via a phone (Wi-Fi) (p. 506)
- Connect the car to the Internet via car modem (SIM card) (p. 507)
- Voice recognition (p. 130)

¹⁰ Apple, CarPlay, iPhone and iPod are registered trademarks owned by Apple Inc.

Settings for Apple® CarPlay®*

Settings for iOS device connected with CarPlay¹¹.

Automatic start

1. Press **Settings** in the top view.
2. Continue to **Communication → Apple CarPlay** and select setting:
 - Tick the box - CarPlay starts automatically when the USB cable is connected.
 - Untick the box - CarPlay does not start automatically when the USB cable is connected.

If the car is shared by a lot of people, such as in a car pool, it is worth noting that a maximum of 20 iOS devices can be stored simultaneously in the list. When the list is full and a new device is connected the oldest one is deleted.

To delete the list, the settings must be reset in the centre display (factory reset).

System volumes

1. Press **Settings** in the top view.

2. Tap on **Sound → System Volumes** and make the settings for the following:

- **Voice Control**
- **Navi Voice Guidance**
- **Phone Ringtone**

Related information

- Apple® CarPlay®* (p. 487)
- Using Apple® CarPlay®* (p. 488)
- Resetting settings in the centre display (p. 122)

Tips for using Apple® CarPlay®*

Here are some useful tips for using CarPlay®.

- Update your iOS device with the latest version of the iOS operating system and ensure that the apps have been updated.
- In the event of a problem with CarPlay, disconnect the iOS device from the USB port and reconnect. Otherwise, try to close the app on the device that is not working and then restart the app, or try closing all apps and restart your device.
- If the apps do not appear when CarPlay starts (black screen), try minimising and expanding the tile for CarPlay.
- Using apps that are not compatible with CarPlay may sometimes mean that the connection between the iOS device and the car is broken. Information about supported apps and compatible telephone devices can be found on the Apple website. You can also search for CarPlay in the App Store to find information about apps that are compatible with CarPlay on your market.
- Using Siri it is possible to write/dictate and read out messages. Messages are read out and dictated in the language selected in the settings for Siri. When the message is written/dictated, no text will be shown in the centre display – instead,

¹¹ Apple and CarPlay are registered trademarks owned by Apple Inc.

the text will appear on the iOS device. When Siri is used, note that the telephone's microphones are used and that the quality is therefore dependent on the position of the telephone.

- If the device is connected to the car via Bluetooth, the connection will be interrupted when CarPlay is used. Resume the Internet connection in the car by sharing the Internet via the Wi-Fi hotspot from the device.
- Some of the CarPlay functions (such as voice call and messages) mean that use of the car's own functions is stopped and CarPlay is shown automatically instead. If this behaviour is not wanted, deselect the display of the equivalent function in CarPlay under the phone's settings for notifications.
- CarPlay only works with iPhone¹².

NOTE

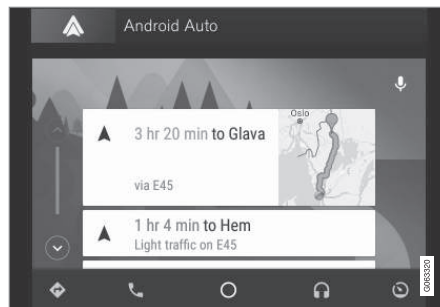
Availability and functionality may vary depending on market.

Related information

- Apple® CarPlay®* (p. 487)
- Connect the car to the Internet via a phone (Wi-Fi) (p. 506)

Android Auto*

Android Auto gives you the option to listen to music, make phone calls, get directions and use car-adapted apps from an Android device. Android Auto works with selected Android devices.




Information about which apps are supported and which Android devices are compatible is available on the website: www.android.com/auto/. For third-party apps, see Google Play. Please note that Volvo is not responsible for the content in Android Auto.

Android Auto is started from the app view. After Android Auto has been started once, the app will be started automatically the next time the device is connected. Automatic start can be deactivated under settings.

NOTE

When a device is connected to Android Auto it is possible to stream via Bluetooth to another media player. Bluetooth is active while Android Auto is being used.

When using map navigation via Android Auto there is no guidance in the driver display, but only in the centre display.

Android Auto can be controlled via the centre display using the steering wheel's right-hand keypad or voice control. Holding down the steering wheel button  starts Google Assistant and a short press deactivates it.

By using Android Auto, you acknowledge the following: Android Auto is a service provided by Google Inc. under its terms and conditions. Volvo Cars is not responsible for Android Auto or its features or applications. When you use Android Auto, your car transfers certain information (including its location) to your connected Android phone. You are fully responsible for your and any other person's use of Android Auto.

Related information

- Using Android Auto* (p. 492)
- Settings for Android Auto* (p. 492)

¹² Apple, CarPlay and iPhone are registered trademarks owned by Apple Inc.

Using Android Auto*

To use the **Android Auto** app, the app must be installed on your Android device and the device must be connected to the car's USB input.

NOTE

For installation of Android Auto to be possible, the car must be equipped with two USB ports (USB hub)*. If the car only has one USB port then it is not possible to use Android Auto.

The first time an Android is connected

1. Connect your Android device to the USB input with a white frame.
2. Read the information in the pop-up window and then tap on **OK**.
3. Tap on **Android Auto** in the app view.
4. Read the terms and conditions and then tap on **Accept** to connect.
 - > The subview with Android Auto is opened and compatible apps are shown.
5. Tap on the desired app.
 - > The app starts.

Previously connected Android

1. Connect your device to the USB input with a white frame.
 - > **If the setting for automatic start is selected** - the name of the device is shown.
2. Tap on the device name – the tile with Android Auto is opened and compatible apps are shown.
3. **If the setting for automatic start is not selected** - open the **Android Auto** app from the app view.
 - > The subview with Android Auto is opened and compatible apps are shown.
4. Tap on the desired app.
 - > The app starts.

Android Auto runs in the background if another app is started in the same subview. To show Android Auto in the subview again - tap on the Android Auto icon in the app view.

Related information

- Android Auto* (p. 491)
- Settings for Android Auto* (p. 492)
- Connecting a device via USB port (p. 485)
- Voice recognition (p. 130)

Settings for Android Auto*

Settings for an Android device that has been connected the first time with Android Auto.

Automatic start

1. Press **Settings** in the top view.
2. Press **Communication → Android Auto** and select setting:
 - Tick the box - Android Auto starts automatically when the USB cable is connected.
 - Untick the box - Android Auto does not start automatically when the USB cable is connected.

A maximum of 20 Android devices can be stored in the list. When the list is full and a new device is connected the oldest one is deleted.

A factory reset has to be executed in order to clear the list.

System volumes

1. Press **Settings** in the top view.
2. Tap on **Sound → System Volumes** and make the settings for the following:
 - **Voice Control**
 - **Navi Voice Guidance**
 - **Phone Ringtone**

Related information

- Android Auto* (p. 491)
- Using Android Auto* (p. 492)
- Resetting settings in the centre display (p. 122)

Tips for using Android Auto*

Here are some useful tips for using Android Auto.

- Ensure that your apps are updated.
- When starting the car, wait until the centre display has started, connect the device and then open Android Auto from the app view.
- In the event of problems with Android Auto, disconnect your Android device from the USB port and then reconnect via USB. Otherwise, try closing the app on the device and then restarting the app.
- When a device is connected to Android Auto it is still possible to playback media via Bluetooth to another media player. The Bluetooth function is on when Android Auto is used.
- If the icon for Android Auto is greyed out, this means no device is connected. When you connect your device the icon will be illuminated. If the icon is not visible at all then the car does not have support for connecting a device for this purpose.
- If the device is connected to the car via Bluetooth, the connection will be interrupted when Android Auto is used. Resume the Internet connection in the car by sharing the Internet via the Wi-Fi hotspot from the device.

Related information

- Android Auto* (p. 491)
- Connect the car to the Internet via a phone (Wi-Fi) (p. 506)

Phone

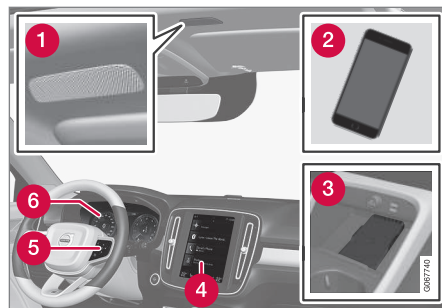
A phone with Bluetooth can be connected wirelessly to the car's built-in hands-free system.

The audio and media system acts as hands-free, with the facility to remotely control a selection of the phone's functions. The phone can still be operated with its own keys even if it is connected to the car.

When a phone has been connected online and connected with the car, it can be used make calls, send/receive messages, play back media wirelessly and be used as an Internet connection.

The phone is operated from the centre display, but also via voice recognition and the app menu, which are accessed from the right-hand steering wheel keypad.

Overview



- 1 Microphone.
- 2 Phone.
- 3 Wireless phone charger.
- 4 Phone operation from centre display.
- 5 Keypad for operating phone functions that are shown in the driver display and voice recognition.
- 6 Driver display.

Related information

- Managing phone calls (p. 498)
- Managing the phone book (p. 501)
- Managing text messages (p. 499)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)

- Connecting a phone to the car via Bluetooth automatically (p. 496)
- Connecting a phone to the car via Bluetooth manually (p. 497)
- Disconnecting a Bluetooth-connected phone (p. 497)
- Switch between Bluetooth-connected phones (p. 498)
- Removing devices connected to Bluetooth (p. 498)
- Wireless phone charger* (p. 502)
- Settings for phone (p. 501)
- Voice recognition (p. 130)
- Managing the app menu in the driver display (p. 92)
- Audio settings (p. 468)
- Connect the car to the Internet via a Bluetooth-enabled phone (p. 506)

Connecting a phone to the car via Bluetooth for the first time

Connect a phone with Bluetooth activated to then be able to make calls from the car, send/receive messages, play back media wirelessly and connect the car to the Internet.


It is possible to have two Bluetooth devices connected at once, in which case one of them can only play back wirelessly. The most recently connected phone will automatically be connected to make calls, send/receive messages, play back media and provide an Internet connection. It is possible to change what the phone is to be used for under **Bluetooth Devices** via the settings menu in the centre display's top view. Your mobile phone needs to be equipped with Bluetooth and support tethering.

After the device has been connected/registered a first time via Bluetooth, it no longer needs to be visible/discoverable, but only have Bluetooth activated. A maximum of 20 connected Bluetooth devices can be stored in the car.

There are two options for connecting. Either search the phone from the car or search the car from the phone.

Option 1 - search phone from car

1. Make the phone searchable/visible via Bluetooth.


2. Open the phone tile in the centre display.
 - If there is no phone connected to the car, tap on **Add phone**.
 - If there is a phone connected to the car, tap on **Change** . In the pop-up window, tap on **Add phone**.

> Available Bluetooth devices are listed. The list is updated as new devices are detected.
3. Tap on the name of the phone to be connected.
4. Check that the specified number code in the car matches that in the phone. In which case, choose to accept in both places.
5. On the phone, choose to accept or reject any options for phone contacts and messages.

NOTE

- The message function must be activated in certain phones.
- Not all mobile phones are fully compatible and may therefore not show contacts and messages in the car.

Option 2 - search car from phone

1. Open the phone tile in the centre display.
 - If there is no phone connected to the car, tap on **Add phone** → **Make car discoverable**.
 - If there is a phone connected to the car, tap on **Change** . In the pop-up window, tap on **Add phone** → **Make car discoverable**.
2. Activate Bluetooth on the phone.
3. Search on the phone for Bluetooth devices.
 - > Available Bluetooth devices are listed.
4. Select the name of the car on the phone.
5. A pop-up window for the connection is shown in the car. Confirm the connection.
6. Check that the specified number code in the car matches the one shown in the external device. In which case, choose to accept in both places.
7. On the phone, choose to accept or reject any options for phone contacts and messages.



NOTE

- The message function must be activated in certain phones.
- Not all mobile phones are fully compatible and may therefore not show contacts and messages in the car.

NOTE

If the phone's operating system is updated then the connection may be broken. In which case, delete the phone from the car and then connect again.

Compatible phones

Many phones on the market now have wireless Bluetooth technology, but not all of them are fully compatible with the car.

For compatibility, see support.volvocars.com.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth automatically (p. 496)
- Connecting a phone to the car via Bluetooth manually (p. 497)
- Disconnecting a Bluetooth-connected phone (p. 497)
- Switch between Bluetooth-connected phones (p. 498)

- Removing devices connected to Bluetooth (p. 498)
- Settings for Bluetooth devices (p. 502)
- Internet-connected car* (p. 505)
- Connect the car to the Internet via a Bluetooth-enabled phone (p. 506)

Connecting a phone to the car via Bluetooth automatically

It is possible to connect a phone to the car automatically via Bluetooth. The phone has to have been connected to the car for the first time.

It is only the two last connected phones that can be connected automatically.

1. Activate Bluetooth in the phone before setting the car in ignition position **I**.
2. Set the car in ignition position **I** or higher.
> The phone will connect.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Connecting a phone to the car via Bluetooth manually (p. 497)
- Disconnecting a Bluetooth-connected phone (p. 497)
- Switch between Bluetooth-connected phones (p. 498)
- Removing devices connected to Bluetooth (p. 498)
- Settings for Bluetooth devices (p. 502)
- Internet-connected car* (p. 505)

- Connect the car to the Internet via a Bluetooth-enabled phone (p. 506)
- Ignition positions (p. 398)

Connecting a phone to the car via Bluetooth manually

It is possible to connect a phone to the car manually via Bluetooth. The phone has to have been connected to the car for the first time.

1. Activate Bluetooth on the phone.
2. Open the subview for phone.
 - > Connected phones are listed.
3. Tap on the name of the phone to be connected.
 - > The phone will connect.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Connecting a phone to the car via Bluetooth automatically (p. 496)
- Disconnecting a Bluetooth-connected phone (p. 497)
- Switch between Bluetooth-connected phones (p. 498)
- Removing devices connected to Bluetooth (p. 498)
- Settings for Bluetooth devices (p. 502)
- Internet-connected car* (p. 505)
- Connect the car to the Internet via a Bluetooth-enabled phone (p. 506)

Disconnecting a Bluetooth-connected phone

It is possible to disconnect a phone connected to Bluetooth, and it will then no longer be connected to the car.





- When the phone is out of range of the car it is automatically disconnected. If disconnection occurs during an active call, then the call will be continued on the phone.
- It is also possible to disconnect the phone by manually deactivating Bluetooth.

Related information

- Phone (p. 494)
- Settings for phone (p. 501)
- Switch between Bluetooth-connected phones (p. 498)
- Removing devices connected to Bluetooth (p. 498)
- Settings for Bluetooth devices (p. 502)

Switch between Bluetooth-connected phones

It is possible to switch between a number of Bluetooth-connected phones.


1. Open the tile for the phone.
2. Tap on **Change**  or drag down the top view and tap on **Settings**  **Communication**  **Bluetooth Devices**  **Add device**.
> Available Bluetooth devices are listed.
3. Tap on the phone to be connected.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Settings for Bluetooth devices (p. 502)
- Disconnecting a Bluetooth-connected phone (p. 497)
- Removing devices connected to Bluetooth (p. 498)

Removing devices connected to Bluetooth

It is possible to remove phones from the list of registered Bluetooth devices, for example.

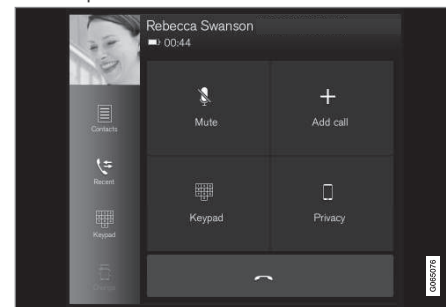
1. Press **Settings** in the top view.
2. Press **Communication**  **Bluetooth Devices**.
> Registered Bluetooth devices are listed.
3. Tap on the device to be removed.
4. Tap on **Remove device** and confirm your selection.
> The device is no longer registered to the car.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Disconnecting a Bluetooth-connected phone (p. 497)
- Switch between Bluetooth-connected phones (p. 498)
- Settings for Bluetooth devices (p. 502)




Managing phone calls


Call handling in the car for a Bluetooth-connected phone.



Generic illustration.



Making phone calls

1. Open the subview for phone.
2. Select call from call history, enter number using the keypad or via the contact list. It is possible to search or browse in the contact list. Tap on  in the contact list in order to add a contact under **Favourites**.
3. Press  to make a call.
4. Tap on  to end the call.

You can also make calls from the call log via the app menu, which is accessed from the right-hand steering wheel keypad .


Making multi-party calls

During a call:

1. Press **Add call**.
2. Choose to make a call from the call log, favourites or the contact list.
3. Tap on an entry/row in the call log, or tap on  alongside the contact in the contact list.
4. Tap on **Swap call** to switch between the parties.
5. Tap on  to end the active call.


Conference calls

During an active multi-party call:


1. Tap on **Join calls** to merge the active multi-party call.
2. Tap on  to end the call.

Incoming phone calls

Incoming phone calls are shown in the driver display and the centre display. Manage the call on the right-hand steering wheel keypad or in the centre display.

1. Tap on **Answer/Reject**.
2. Tap on  to end the call.

Incoming phone call during an active call

1. Tap on **Answer/Reject**.
2. Tap on  to end the call.

Private call

- During the current call, press **Privacy** and select setting:
 - **Switch to mobile phone** - the hands-free function is disconnected and the call continues on your mobile phone.
 - **Driver focused** - the microphone in the roof on the passenger side is switched off and the call continues with the car's handsfree function.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Controlling a telephone with voice recognition (p. 133)
- Managing the app menu in the driver display (p. 92)
- Enter the characters, letters and words manually in the centre display (p. 117)
- Managing the phone book (p. 501)
- Managing text messages (p. 499)
- Audio settings (p. 468)

Managing text messages¹³

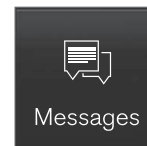
Message handling in the car for a Bluetooth-connected phone.

In some phones, the message function must be activated. Not all phones are compatible. In such cases, they cannot display contacts and messages in the car.

For compatibility, see support.volvocars.com.

Managing text messages in the centre display

Text messages are only shown in the centre display if the setting is selected.



Press **Messages** in the app view to manage text messages in the centre display.

Reading text messages in the centre display



Press the icon to get the message read aloud.

◀◀ **Sending text messages in the centre display¹⁴**

1. You can reply to a message or create a new message.
 - Reply to message - tap on the contact whose message you wish to reply to, then tap on **Answer**.
 - Create new message - tap on **Create new**. Select a contact or enter a number.
2. Compose the message.
3. Press **Send**.

Managing text messages in the driver display

Text messages are only shown in the driver display if the setting is selected.

Reading a new text message in the driver display

- To have the message read aloud – select **Read out** with the steering wheel keypad.

Dictating a reply in the driver display

After the text message has been read out, it is possible to reply briefly with dictation if the car is connected to the Internet.

- Press **Answer** with the steering wheel keypad. A dictation dialogue starts.

Message notification

It is possible to activate and deactivate notifications in the text message settings.

Related information

- Phone (p. 494)
- Settings for text messages (p. 500)
- Settings for phone (p. 501)
- Internet-connected car* (p. 505)
- Controlling a telephone with voice recognition (p. 133)
- Enter the characters, letters and words manually in the centre display (p. 117)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- User terms and conditions and data sharing (p. 511)

Settings for text messages

Settings for text messages on connected phone.

1. Press **Settings** in the top view.
2. Press **Communication** ➔ **Text Messages** and select settings:
 - **Notification in centre display** - shows message notifications in the centre display's status bar.
 - **Notification in driver display** - displays notifications in the driver's display and incoming messages can be managed using the steering wheel's right-hand keypad.
 - **Text message tone** - select tone for incoming text messages.

Related information

- Phone (p. 494)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Managing text messages (p. 499)
- Settings for phone (p. 501)

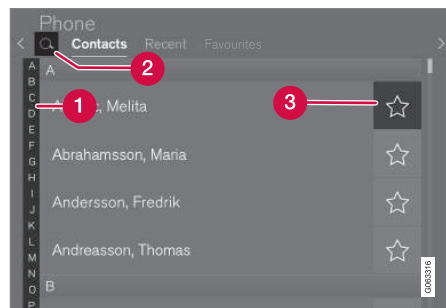
¹³ Valid in certain markets only. Contact a Volvo dealer for more information.

¹⁴ Only certain phones can send messages via the car. The connected phone must support the Bluetooth Message Access Profile (MAP).

Managing the phone book

When a phone is connected to the car with Bluetooth, contacts can be managed directly in the centre display.

Up to 3000 contacts can be shown from the phone selected in the centre display.



- 1 Browse between the letters and # to find a matching contact. Depending on existing contacts in the phone book, only matching letters are shown.
- 2 **Search contacts** - tap on to search for a phone number or name in the contact list.
- 3 **Favourites** - tap on to add/remove a contact to/from the favourites list.

Sorting

The contact list is sorted in alphabetical order where special characters and numbers are

sorted under #. It is possible to sort by first name or surname, and this setting is adjusted in the telephone setup.

Related information

- Phone (p. 494)
- Settings for phone (p. 501)
- Controlling a telephone with voice recognition (p. 133)
- Enter the characters, letters and words manually in the centre display (p. 117)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)

Settings for phone

When the telephone is connected to the car, the following settings can be made:

1. Press **Settings** in the top view.
2. Press **Communication** → **Phone** and select settings:
 - **Ringtones** - selection of ring signal. It is possible to use a ring signal from the phone or the car. Some phones are not fully compatible and their ring signals may therefore not be available for use in the car.¹⁵
 - **Sort Order** - select sort order of contact list.

Related information

- Phone (p. 494)
- Settings for text messages (p. 500)
- Settings for Bluetooth devices (p. 502)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)
- Audio settings (p. 468)

Settings for Bluetooth devices

Settings for Bluetooth-connected devices.

1. Press **Settings** in the top view.
2. Press **Communication → Bluetooth Devices** and select settings:
 - **Add device** - starts the pairing of a new device.
 - **Previously paired devices** - lists registered/paired devices.
 - **Remove device** - removes the connected device.
 - **Allowed services for this device** - sets device usage options: calling, sending/receiving messages, streaming media and as Internet connection.
 - **Internet connection** - connects the car to the Internet via the device's Bluetooth connection.

Related information

- Phone (p. 494)
- Settings for phone (p. 501)
- Internet-connected car* (p. 505)
- Connecting a phone to the car via Bluetooth for the first time (p. 495)

Wireless phone charger*

There is a charging plate for wireless phone charging located under the centre display.



A condition for being able to charge the phone is that it supports wireless charging (Qi). Phones not equipped with wireless charging receivers can often be supplemented with a shell that makes wireless charging possible.

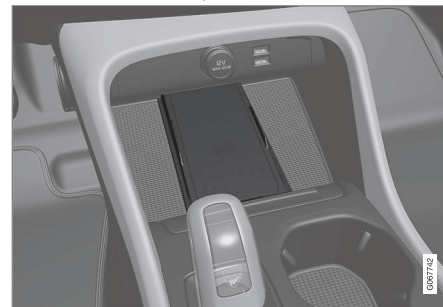
For information on certification, go to www.volvocars.com/intl/support.

Related information


- Phone (p. 494)
- Using the wireless telephone charger* (p. 502)
- Certificate for wireless charger (p. 504)

Using the wireless telephone charger*

The rubber plate under the centre display makes it possible to charge phones without the need to use the phone's cable.



Wireless phone charger in front of gear lever

- Remove all other objects from the charging plate and position the phone in the centre of the charging plate.
 - > Phone charging is started and the  symbol is shown at the top in the centre display.

NOTE

Some phones may become hot during wireless charging. This is normal.

¹⁵ For compatibility, see support.volvocars.com.

Frequency Bands and Output Power

Application	Frequency	Maximum output power
FM	87.5 - 108 MHz	
DAB	174.0 - 240.0 MHz	
Bluetooth	2400 - 2483.5 MHz	4 dBm (2.5 mW)
Bluetooth Low Energy	2400 - 2483.5 MHz	6 dBm (3.98 mW)

Simplified EU declaration of conformity, radio

Hereby, Aptiv Services Deutschland GmbH, 42367 Wuppertal, declares that IHU4.2 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <https://www.aptiv.com/automotive-homologation>

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

FCC § 15.19 Labelling requirements

FCC ID: LTQIHU42

IC: 3659A-IHU42

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

Le présent appareil est conforme aux CNR d'ISED 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.

FCC § 15.21 Information to user

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

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

RF Exposure Requirements

This equipment complies with FCC RF radiation exposure and Industry Canada RSS-102 RF exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. To comply with FCC RF exposure and Industry Canada RSS-102 RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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