



# V90

**CROSS COUNTRY**

QUICK GUIDE



# VÄLKOMMEN!

This Quick Guide describes a selection of the functions in your Volvo. More detailed owner's information is available in the car, in the app and on the web.



## THE CAR'S CENTRE DISPLAY

The owner's manual is available in the car's centre display, where it can be accessed via the top view.



## MOBILE APP

The owner's manual is available as an app (Volvo Manual) for smartphones and tablets. The app also contains video tutorials for selected functions.



## VOLVO'S SUPPORT SITE

The Volvo Cars support site ([support.volvocars.com](http://support.volvocars.com)) contains manuals and video tutorials, as well as additional information and assistance for your Volvo and your car ownership.



## PRINTED INFORMATION

There is a supplement to the owner's manual in the glovebox that contains information on fuses and specifications, as well as a summary of important and practical information. A printed owner's manual and associated supplement can be ordered.

# CONTENTS

## 01. GET TO KNOW YOUR VOLVO

This chapter gives you information on some of Volvo's systems and services, and an overview of the inside and outside, and the centre display.

## 02. INTERIOR AND CONNECTIONS

Here you can read about different functions in the passenger compartment e.g. seat settings and Internet connection.

## 03. THE CENTRE DISPLAY'S VIEWS

Here you can find information on the centre display's different main views, from where you can control many of the car's functions.

## 04. SMART DRIVING

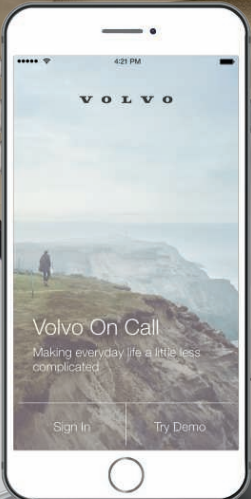
This chapter describes several of the car's driver support systems and gives tips on how you can drive more economically.

## 05. VOICE RECOGNITION

Here you can find the various commands/phrases you can use with the car's voice recognition system.

## 06. SPECIAL TEXTS

Warning, important and note texts, which must be read.



## GETTING STARTED

To get started with your Volvo in the best possible way there are several functions, terms and tips that can be useful to know about.

### Volvo ID

Volvo ID is a personal ID that gives access to several services online<sup>1</sup>. Some examples are Volvo On Call\*, map services, a personal login at [volvocars.com](http://volvocars.com), and the option to book service and repair. You can create a Volvo ID via [volvocars.com](http://volvocars.com), the Volvo On Call app or directly in your car.

### Sensus

Sensus is the car's intelligent interface and covers all solutions in the car associated with entertainment, Internet connection, navigation\* and information services. It is Sensus that makes possible the communication between you, the car and the outside world.

### Volvo On Call\*

Volvo On Call is a built-in assistance system with an app that gives you the facility to control your Volvo remotely. Using the Volvo On Call app, you can e.g. see which bulbs need to be replaced, or if oil or coolant needs to be topped up. You can lock and unlock the car, check fuel level and show the closest petrol station. Preconditioning<sup>2</sup> can also be set via the car's parking climate control. Download the Volvo On Call app to get started.

Volvo On Call also includes roadside assistance and emergency assistance using the **ON CALL** and **SOS** buttons in the car's roof console.

### Driver profiles


Many of the settings made in the car can be adapted according to the driver's personal preferences and can then be saved in one or more driver profiles. Each key can be linked to a driver profile. See the section Top view in this Quick Guide for more information on driver profiles.


<sup>1</sup> The services vary depending on the car's configuration and market.

<sup>2</sup> Cars without parking heater cannot have passenger compartment heating, only ventilation.




## OVERVIEW, EXTERIOR

- 1 Checking and calibration of tyre pressure (ITPMS)\*** is performed via **TPMS** in the **Car status** app in the centre display's app view. In the event of low tyre pressure, the  symbol illuminates with a constant glow in the driver display. In the event of low tyre pressure, check and adjust the tyre pressure in all four tyres and press the calibration button to start ITPMS calibration.
- 2 Checking the engine oil level** is performed from the **Car status** app. In **Car status**, you can also see status messages and book service and repair\*.
- 3 Door mirrors** can be automatically\* angled down when reverse gear is engaged. When the car is locked/unlocked with the remote control key, the door mirrors can be retracted/extended automatically\*. Activate these functions under **Settings → My Car → Mirrors and Convenience** in the centre display's top view.
- 4 Keyless locking/unlocking\*** means that you simply need to have the remote control key with you in, for example, a pocket in order to lock or unlock the car. The remote control key must be within a range of approx. 1 metre (3 feet) of the car.

Grip a door handle or press the tailgate's rubberised pressure plate to unlock the car. To lock the car, press gently on one of the door handle recesses. Avoid touching both pressure surfaces at the same time.
- 5 Panoramic roof\*** includes opening glass cover and sun blind, and is operated by a control above the rearview mirror when the car is in at least ignition position **I**. Open to ventilation position by pressing the control upward, and close by pulling the control downward. To fully open the panoramic roof, pull the control backward twice. Close by pulling the control downward twice.
- 6 The power operated tailgate\*** can, for example, be opened using the foot operated tailgate function\* by means of a slow forward kicking motion under the left-hand part of the rear bumper. Close and lock the tailgate using the  button on its lower edge. Or

close the tailgate with a slow kicking motion. The car must be equipped with keyless locking/unlocking\* in order to unlock the tailgate with foot movement. The remote control key must be within approx. 1 metre (3 feet) behind the car for opening and closing with foot movement.





In order to prevent the tailgate from e.g. hitting the ceiling in a garage, it is possible to program maximum opening. Set maximum opening by opening the tailgate and stopping it in the desired opening position. Then push \* for at least 3 seconds to save the position.





## LOCKING/UNLOCKING

### Remote control key

-  One short press locks doors, tailgate and fuel filler flap and arms the alarm\*. A long press closes the panoramic roof\* and all side windows simultaneously.
-  One short press unlocks doors, tailgate and fuel filler flap and disarms the alarm\*. A long press opens all side windows simultaneously.
-  One short press unlocks and disarms the alarm for the tailgate only. A long press opens or closes the power operated\* tailgate.
-  The panic function activates the direction indicators and the horn to attract attention when required. Press and hold the button for 3 seconds or press the button twice within 3 seconds to activate. The function can be deactivated using the same button after it has been activated for at least 5 seconds. Otherwise it is deactivated automatically after 3 minutes.

### Private locking



Private locking locks the tailgate, which can be practical when, for example, the car is taken in for service or at a hotel.

- In the centre display's function view, tap on **Private Locking** to activate/deactivate the function.

A pop-up window is shown for activation/deactivation. A four-digit code is selected each time locking is used. An extra security code must be selected the first time the function is used.

Locking\* the glovebox is performed manually using the enclosed key which is located inside the glovebox.



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## OVERVIEW, INTERIOR

- 1 **Centre display** is used to control many of the car's main functions, e.g. media, navigation\*, climate control, driver support systems and in-car apps.
- 2 **Driver display** shows most of what is related to driving such as speed, engine speed, navigation\* and active driver support. Via the app menu, you can choose which information should be shown on the driver display. Open and navigate in the app menu using the steering wheel's right-hand keypad. Settings can also be made via **Settings → My Car → Displays** in the centre display's top view.
- 3 **Head-up display\*** is a complement to the car's driver display and projects information on the windscreen. It is activated via the centre display's function view.
- 4 **Start knob** is used to start the car. Turn clockwise and release for ignition position **I**. For cars with automatic shifting, gear position **P** or **N** must be selected to start the car. For cars with manual gear changing, the clutch pedal must be depressed. Hold the brake pedal depressed and turn the start knob clockwise to start the car. Switch off the car by turning the start knob clockwise.
- 5 **Drive modes\*** are set with the control in the centre, between the seats. The car always starts in Comfort mode. Press in the control and roll it to select between **Comfort**, **Off Road**, **Eco**, **Dynamic** and **Individual** in the centre display. Confirm by pressing the wheel. With **Individual** you can adapt a drive mode according to your own desired driving characteristics. It is activated in **Settings → My Car → Individual Drive Mode** in the centre display's top view.
- 6 **Parking brake** is activated when you pull the **(P)** control upwards, a symbol in the driver display illuminates. Release it manually by pressing the control down at the same time as holding the brake pedal depressed. Using Automatic braking when stationary **(Ⓢ)**,

the brake pedal can be released while maintaining braking effect when the car has stopped, for example, at traffic lights.

Remember that both Automatic braking when stationary and Automatic application of the parking brake must be deactivated for an automatic car wash. The latter can be performed in the centre display's top view under **Settings → My Car → Parking Brake and Suspension**.

- 7 **Switch for passenger airbag\*** is located on the end face of the instrument panel on the passenger side and can be accessed when the door is open. Pull the switch out and turn to **ON/OFF** in order to activate/deactivate the airbag function.

The central infotainment screen displays the following information:

- Top status bar: Signal strength, Bluetooth, and time 13:45.
- Navigation: A compass icon on the left, with the text "Ånäsvägen" and "Current position" on the right.
- Music: A Bluetooth icon on the left, with the text "Lune - Leave The World..." on the right.
- Phone: A phone handset icon on the left, with the text "Daniel's Phone" and "Telenor" on the right.
- Audio: A speaker icon on the left, with the text "Studio" and "Sound optimised for driver" on the right.
- Bottom climate bar: Left side shows "22°C" and a seat icon; center shows a fan icon and "AUTO"; right side shows a seat icon and "22°C".

## CENTRE DISPLAY

You can make settings and control most of the functions in the **centre display**. The centre display has three main views: home view, function view and app view. You can reach the function view and app view from the home view by swiping right or left. There is also a top view that you access by dragging down the top part of the display.

**Change the appearance in the centre display and in the driver display** by selecting a theme in **Settings → My Car → Displays** in the top view. Here you can also select a dark or a light background for the centre display.

**Return to the home view from another view** by means of a short press on the physical home button under the display. The last mode used for the home view will then be shown. A further short press on the home button sets all of the home view's tiles in standard mode.

**For cleaning** the centre display, lock the touch function with a long press on the physical home button under the display. Reactivate the display with a short press on the home button.

**Status bar** at the top of the display shows the activities in the car. Shown on the left is network and connection information, with media-related information, the time and background activity indicator shown on the right.

**In the climate row** at the bottom you can set temperature and seat comfort by tapping on the respective icon. Open the climate view by tapping on the centre button in the climate row.



02

3. Change the setting by pressing in the upper/lower/front/rear part of the control.

### **Saving settings**

1. Set the seat, door mirrors and head-up display\* to the desired position and press the **M** button on the door panel. The light indicator in the button illuminates.
2. Within 3 seconds, press the memory button **1** or **2**. An acoustic signal sounds and the light indicator in the **M** button extinguishes.

To use your saved seat settings:

With the door open - push and release one of the memory buttons.

With the door closed - hold one of the memory buttons pressed in until the stored position is reached.

## POWER\* FRONT SEATS

Use the controls on the outside of the seats to adjust the seat position, lumbar support\*, etc. One control is shaped like a seat so you can more easily understand how you change position, the other one, the multi-function control\*, is used for adjusting lumbar support, massage\*, etc.

### **The seat-shaped control**

Adjust the seat cushion or move the whole seat using the lower control. Adjust the angle of the backrest using the rear control.

### **Multi-function control\***

Settings for massage\*, side support\*, lumbar support\* and seat cushion extension are linked to the multi-function control.

1. Activate seat setting in the centre display by turning the control.
2. Select the desired function in the centre display by turning the control.

## FOLDING THE BACKRESTS IN THE REAR SEAT

Ensure that a backrest with head restraint does not come into contact with the backrest of the seat in front when lowering. The front seats may need adjusting in order for the backrests to be lowered.

The backrests can be folded manually using the handle on the tops of the outer seats. If the car is equipped with electronic folding of the rear seat\* there are buttons for folding located in the cargo area.

### Folding the backrests electronically

To allow the folding of the rear seat, the car must be stationary and the tailgate open.

1. Lower the centre seat's head restraint manually.
2. Hold the button depressed to fold the seats. The buttons are marked **L** and **R** for left and right backrest section respectively.
3. The backrests are lowered automatically to horizontal position. The head restraints are also lowered automatically.

### Raising the backrests

1. Move the backrest upwards/backwards by hand until the lock engages.
2. The head restraint is extended manually.
3. If necessary, raise the centre seat's head restraint.





## STEERING WHEEL

### Adjusting the steering wheel

You can adjust the position of the steering wheel for both height and depth.

1. Push/pull<sup>9</sup> the lever under the steering wheel forward/backward
2. Adjust the steering wheel to the desired position and move the lever back to locked position.

### Left-hand keypad



Driver support is selected in the driver display using the arrows in the steering wheel's left-hand keypad (◀ and ▶). When the driver support symbol is WHITE the function is active. GREY means that the function is stopped or in standby mode.



### Display symbols in the driver display:


- 🚗 **Speed limiter** helps to avoid exceeding a selected maximum speed.
- 🚗 **Cruise control** helps to maintain a constant speed.
- 🚗 **Adaptive cruise control\*** helps to maintain a constant speed, combined with a preselected time interval to the vehicle ahead.
- 🚗 **Pilot Assist<sup>4</sup>** helps the driver to keep the car between the lane's side markings using steering assistance as well as to maintain a constant speed, combined with a preselected time interval to the vehicle ahead.

Press 🚗 to start or stop the selected function.









One short press on  /  increases/decreases the stored speed by 5 km/h (5 mph). Press and hold the button to change steplessly - release the button at the desired speed.



 /  decreases/increases the distance to the vehicle ahead when using Adaptive cruise control and Pilot Assist.


One press on  also resumes the stored speed for the selected function.

### Right-hand keypad

Use the steering wheel's right-hand keypad to navigate in the driver display.

-  The driver display's app menu opens/closes. From here the trip computer, media player, telephone and navigation can be controlled.
-   Scroll between the different apps available by pressing the left or right arrow.
-  Select, deselect or confirm an option, e.g. select the trip computer's menu or delete a message in the driver display.
-   Browse among the functions for the selected app by tapping up or down.

**Raise/lower the media volume** by pressing  and . If no other function is active, these buttons act as volume control.

**Voice control** is activated using the  button and allows you to control e.g. media, navigation and climate control using your voice. Say e.g. "Radio", "Raise temperature" or "Cancel".

See the chapter Voice control in this Quick Guide for more voice commands.

### Trip computer

The trip computer shows e.g. mileage, fuel consumption and average speed. It is possible to select which information from the trip computer should be shown in the driver display. The trip computer calculates the remaining distance to empty tank. To show the different options, use

the steering wheel's right-hand keypad. No guaranteed range remains when the driver display shows "----".


<sup>3</sup> Depending on market.

<sup>4</sup> This function can be either standard or an option, depending on market.



## LEFT-HAND STALK SWITCH

**Headlamp functions** are controlled using the left-hand stalk switch.

If you select **AUTO** mode, the car detects when it is dark/light and the lighting is set accordingly, e.g. when evening falls or when you drive into a tunnel. You can also turn the stalk switch's thumbwheel to  for main beam, which is dimmed automatically for oncoming traffic. Manual main beam is activated by moving the stalk switch away from you. Deactivate by moving the stalk switch towards you.

**Active bending lights\*** are designed to provide maximum lighting in bends and at junctions by means of the light following steering wheel movements. The function is activated automatically when the car is started and can be deactivated in the centre display's function view.

**Approach lighting** switches on the outside lighting when you unlock the car with the key, and helps you to reach the car safely in the dark.





**Home safe lighting** switches on some of the exterior lighting after you have locked the car in order to provide illumination in the dark. Activate the function by switching off the car, and then move the left-hand stalk switch towards the instrument panel and release. The time for how long the home safe lighting should remain switched on can be set via the centre display.

### Resetting the trip meter

Reset all information in the manual trip meter (TM) with a long press on the **RESET** button. A short press only resets the mileage. Trip meter, automatic (TA), is reset automatically when the car has not been used for 4 hours.

## RIGHT-HAND STALK SWITCH

The right-hand stalk switch controls the wiper blades and the rain sensor.

- Move the stalk switch downward to make one single sweep on the windscreen.
  - Move the lever in steps upwards for intermittent, normal and fast speeds.
  - Adjust the interval speed using the stalk switch's thumbwheel.
  - Move the stalk switch towards the steering wheel in order to start the windscreen and headlamp washers, and towards the instrument panel to start the rear window washers.
-  Press the rain sensor button to activate/deactivate the rain sensor. The rain sensor automatically starts the windscreen wipers based on how much water it detects on the windscreen. Turn the thumbwheel up/down for higher/lower sensitivity.
-  Press for intermittent wiping with the rear window wiper.
-  Press for continuous speed with the rear window wiper.
-  Use windscreen wiper service mode when, e.g. replacing, cleaning or lifting wiper blades. Tap on the **Wiper Service Position** button in the centre display's function view to activate or deactivate service mode.





## PASSENGER COMPARTMENT CLIMATE CONTROL

### Preconditioning

Preconditioning can be set via the car's centre display and using the Volvo On Call\* app. Preconditioning heats\* the passenger compartment and engine or airs the passenger compartment to comfort temperature before driving, which can also reduce wear and energy requirements while driving. It is possible to direct start or set preconditioning via the timer.

### Direct-starting preconditioning

1. Open the centre display's climate view by tapping at the bottom of the display.
2. Select the **Parking climate** tab and then tap on **Preconditioning**.

### Setting the timer for preconditioning

- In the climate view, select **Parking climate** → **Add timer** and set date/day as required.

### Climate settings

The climate control functions for the front and rear section of the passenger compartment are controlled via the centre display, and buttons on the centre console and the rear of the tunnel console\*. Some climate functions can also be controlled with voice control.



The icon used to access the climate view is located in the centre at the bottom of the centre display. When the text **Clean Zone** is blue, this indicates that the conditions have been met for good air quality in the passenger compartment.

- Tap on **AUTO** in the climate view in order for several climate functions to be controlled automatically. A short press controls air recirculation, air conditioning and air distribution automatically. A long press controls air recirculation, air conditioning and air distribution automatically, as well as that temperature and fan speed are changed to standard settings: 22 °C (72 °F) and level 3 (level 2 in the rear seat<sup>5</sup>). You can change temperature and fan speed without deactivating auto-regulated climate.

- Tap on one of the icons in the climate row at the lower edge of the centre display to adjust temperature, seat heating\* and fan speed.

To synchronise the temperature for all zones with the temperature on the driver's side, tap on the temperature icon for the driver's side and on **Synchronise temperature**.

### Air quality system IAQS\*

IAQS is a part of the Clean Zone Interior Package\* and is a fully-automatic system that cleans the air in the passenger compartment from contaminants such as particles, hydrocarbons, nitrous oxides and ground-level ozone. The function is activated in the centre display's top view via **Settings** → **Climate** → **Air Quality Sensor**.

<sup>5</sup> For cars with 4-zone climate\*.



## CONNECTIONS

You can play back/control media, SMS and phone calls using voice recognition, as well as connect the car to the Internet via different external devices, e.g. smartphones. The car's electrical system must be in at least ignition position **I** so that you can use the connected devices.

### The car's modem<sup>6</sup>

The simplest and most effective way to connect your car to the Internet is via the car's own modem. It has the highest performance, is activated automatically for each journey and does not require connection to a smartphone.

1. Insert a personal SIM card into the holder under the floor in the cargo area.
2. Press **Settings** → **Communication** → **Car Modem Internet** in the top view.

3. Activate by ticking the box for **Car modem Internet**.

### Tethering

When the car is connected to the Internet via the modem, you can share the Internet connection (Wi-Fi hotspot) with other devices under **Settings** in the top view. Press **Communication** → **Car Wi-Fi Hotspot**.

### Bluetooth

Use Bluetooth primarily to manage phone calls, SMS and media from your phone to the car's system. You can also connect the car to the Internet via Bluetooth. It is possible to have two Bluetooth devices connected at once in which case one of them can only be streaming media. The two most recently connected phones will be connected automatically when the car is used again, if the phone's Bluetooth is

active. Up to 20 devices are saved in a list to allow easier connection of them at a later time.

1. Activate Bluetooth in your phone. To connect to the Internet, activate tethering in the phone as well.
2. Open the **Phone** tile in the centre display's home view.
3. Tap on **Add phone**, or if a phone is already connected, tap on **Change** and then **Add phone**.
4. Select the phone to be connected and follow the steps on the centre display and the phone. Note that on certain phones the message function must be activated.

### Wi-Fi

By connecting the car to the Internet via Wi-Fi you can stream online services at a higher speed than with Bluetooth, such as Internet radio and music via in-car apps, download/update software, etc. A Wi-Fi connection from a smartphone operates as a hotspot for the car as well as any other external devices in the car.

1. Activate tethering in your phone.
2. Tap on **Settings** in the centre display's top view.
3. Tap on **Communication** → **Wi-Fi** and activate by ticking the box for Wi-Fi connection.

Note that certain phones switch off tethering after the contact with the car has been disconnected. The tethering in the phone therefore needs to be reactivated the next time it is used.

### USB

Via USB you can connect an external device to play back media. You can also use the USB port for Apple CarPlay\* and Android Auto\*. Your external device is charged while it is connected to the car.

- 1 USB ports are located in the armrest's storage compartment between the seats.

### Electrical sockets

The following electrical sockets are available in your car:

- 2 12 V electrical socket.
- 3 12 V electrical socket and 230 V electrical socket\*. There is also a 12 V electrical socket\* in the cargo area.

<sup>6</sup> Cars with Volvo On Call\* only. When connecting using an in-car modem, the Volvo On Call services will use the connection.




## USING CONNECTED DEVICES

You can connect external devices to e.g. handle phone calls and play back media in the car's audio and media system.






### Managing phone calls<sup>7</sup>


It is possible to make and receive calls from a Bluetooth-connected phone.

#### Calling via the centre display

1. Open the tile **Phone** in the home view. Select to call from the call log, contact list or enter a number using the keypad.
2. Press .

#### Calling with the steering wheel's right-hand keypad

1. Press  and navigate to **Phone** by pressing  or .
2. Scroll through the calls list with  and select with .

You can also manage calls using voice control. Press the voice control button  in the steering wheel's right-hand keypad. See the chapter Voice control in this Quick Guide for voice commands.

### Playing back media

To play back audio from an external device, you need to connect it to the car using your chosen method, see the previous page for different connections.



#### Bluetooth-connected device

1. Start playback in the connected device.
2. Open the **Bluetooth** app in the app view in the centre display - playback starts.



#### USB-connected device

1. Start the **USB** app in the app view.
2. Select what to play - the playback starts.

<sup>7</sup> For information about which telephones are compatible with the car, see [support.volvocars.com](http://support.volvocars.com).



## iPod

**MP3 player or iPod connected device**

1. Start playback in the device.
2. Open the **iPod** or **USB** app depending on the connection method. To play back music from an iPod, select the **iPod** app regardless of connection method - playback starts.

**Apple® CarPlay®\* and Android Auto\***


CarPlay and Android Auto allow you to use certain apps in your phone via the car to e.g. play back music or listen to podcasts. The interaction takes place via the car's centre display or a phone.

If you have an iPhone, Siri voice control must be activated before using CarPlay.







1. Connect the phone to the USB port. If there is more than one port then use the one with the white frame.
2. Tap on **Apple CarPlay** or **Android Auto** in the app view to activate.






Activate voice control with CarPlay and Android Auto by means of a long press on the  button in the steering wheel's right-hand keypad. A short press activates the car's own voice control system.

Bluetooth is switched off when CarPlay is used. Use Wi-Fi or the car's modem\* to connect the car to the Internet as required.





13:45

- 1  **Ånäsvägen**  
Current position
- 2  **Lune - Leave The World...**
- 3  **Daniel's Phone**  
Telenor
- 4  **Studio**  
Sound optimised for driver

22°C    22°C

## HOME VIEW

When the centre display starts it shows the home view, from where you can access the tiles for Navigation, Media and Phone, as well as the last used app or car function.

- 1 Navigation** - Tap here to access map navigation with Sensus Navigation\*.  
**Set destination with free text** - Expand the toolbar with the down arrow on the left-hand side and tap on . The map image changes to free text search. Enter the search terms.  
**Set destination with map** - Maximise the map with  and tap and hold at the destination you want to travel to.  
**Delete a destination** - Tap on  to open the itinerary. Tap on the recycle bin to delete an intermediate destination in the itinerary, or tap on **Clear itinerary** to delete the whole itinerary.  
**Map update**<sup>9</sup> - Tap on **Download Centre** in the app view. The number of available map updates is shown at **Maps**. Tap on **Maps** → **Install** for map updating or installation of selected map. There is also the option to download maps from support.volvocars.com to a USB memory and then transfer them to the car.
- 2 Media** - shown here is e.g. your music from an external device or if you have selected **FM radio** in the app view. Tap on the tile to access the settings. From here you can see your music library, radio stations, etc.
- 3 Phone** - the phone function is accessed from here. Tap on the tile to expand it. Here, for example, you can dial from the call history or the contact list, or enter a number manually using the keypad. Once you have selected a number, tap on .
- 4 Last used app or car function** - here you can see the last used app or car function that is not shown in any of the other tiles, e.g. **Car Status** or **Driver performance**. You can tap on the tile to access the last used function.

<sup>9</sup> Function availability may vary depending on market.

... 13:45

### Car functions

ESC Sport Mode OFF	Lane Keeping Aid	Park Assist
Cross Traffic Alert	Distance Alert	
Camera	Park In	Park Out
Headrest fold	Head-up display adjustments	Road Sign Information
Head-up display	BLIS	Active Bending Lights

22 °C 22 °C

## FUNCTION VIEW AND APP VIEW

### Function view

When you swipe from left to right<sup>10</sup> in the home view you will reach the function view. From here you can activate/deactivate different car functions, e.g. **Head-up Display\***, **Park Assist** and **Start/Stop**. They are activated/deactivated by tapping on the respective symbol. Some functions open in a separate window.

### App view

Swipe from right to left<sup>10</sup> in the home view to access the app view. Here you can see the apps supplied with the car, as well as the apps that you can choose to download and install yourself.

### Managing and updating apps and systems



In **Download Centre**, in the app view, you can update several of the car's systems. For this to be possible the car must be connected to the Internet. One tap on **Download Centre** opens a download application. Here you can:

**Download apps** - Tap on **New apps** and select the app required. Select **Install** to download the app.

**Update apps** - Tap on **Install all** to update all apps. Or tap on **Application updates** to show a list of possible updates. Select the app required and tap on **Install**.

**Uninstall apps** - Tap on **Application updates** and select the app required. Tap on **Uninstall** to uninstall an app.

**Update system software** - Tap on **System updates** to show a list of updates that can be installed in the car. Tap on **Install all** at the bottom of the list to update all software or on **Install** for an individual software program. If no list is required, select **Install all** at the **System updates** button.

### Moving icons

The apps and buttons for car functions in the app view and function view can be moved as required.

1. Press and hold an icon.
2. Drag the icon to an unoccupied space in the view and release.

<sup>10</sup> Applies to left-hand drive cars. For right-hand drive cars - swipe in the opposite direction.



Settings



Owner's manual



Profile



Car message stored in Car status application



Passenger

Restart



TuneIn is installing



New position received



22 °C



22 °C

## TOP VIEW

The upper part of the display contains a tab that you can drag down to access the top view. From here you can access **Settings**, **Owner's manual**, **Profile** and the car's saved messages.

### Personal preferences

Under **Settings** you can set many personal preferences, e.g. for displays, mirrors, front seat, navigation\*, audio and media system, language and voice control.

### Driver profiles



If the car is used by several drivers then each driver can have a personal driver profile in the car. Every time you get into the car you have the option to select your driver profile where your personal preferences are saved. The number of profiles depends on the number of keys available for the car. The **Guest** profile is not connected to any specific key.

The latest active driver profile is the one used for unlocking. Change driver profile by selecting **Profile** in the top view.

The driver profiles can be connected to the car's keys, and when it is unlocked, the car is automatically adapted to your personal preferences.

Connect a key under **Settings** → **System** → **Driver Profiles**. Select one of the driver profiles (the **Guest** profile cannot be connected). The home view is shown again. Drag down the top view again, repeat in accordance with the above and select **Edit** on the chosen profile and then **Connect key**.

### Individual drive mode

If you want to adapt one of the **Comfort**, **Eco** or **Dynamic** drive modes - activate the drive mode under **Settings** → **My Car** → **Individual Drive Mode**.

### System volumes

If you want to adjust or switch off the volume of the system sounds, e.g. the sound for tapping on the screen, go to **Settings** → **Sound** → **System Volumes**.





## DRIVER SUPPORT

Your car is equipped with a number of functions that help you to drive safely and which can prevent accidents. You can activate these functions in the centre display's function view. Remember that the driver support functions are only aids and that as the driver you always have full responsibility for driving the car in a safe manner. A selection is listed below:

### City Safety™

City Safety<sup>11</sup> can assist you in critical situations to prevent or mitigate a collision with vehicles, larger animals, pedestrians or cyclists. Visual, acoustic and brake pulse warnings are given in the event of a risk of collision to help you act in time. If you fail to act in time, and a collision is almost unavoidable, the car can be braked automatically. City Safety is activated when the engine is started and cannot be deactivated.

### Blind Spot Information (BLIS)\*



BLIS can inform you about vehicles in the blind spot and quickly approaching vehicles in an adjacent lane.

### Cross Traffic Alert (CTA)\*



CTA is a driver support system to supplement BLIS and can warn of traffic crossing behind the car. CTA is activated if reverse gear is engaged or if the car rolls backwards.

### Lane Keeping Aid



Lane assistance (Lane Keeping Aid) can help you to reduce the risk of the car leaving its lane unintentionally. The desired form of assistance is selected via **Settings → My Car → IntelliSafe → Lane Keeping Aid Mode** in the centre display's top view.

### Steering assistance at risk of collision

Steering assistance at risk of collision can help you to reduce the risk of the car leaving its lane unintentionally and/or colliding with another

vehicle/obstacle by actively steering the car back into its lane and/or swerving. The function consists of three subfunctions: Steering assistance at risk of run-off; Steering assistance at risk of head-on collision; and Steering assistance at risk of rear-end collision\*. The function can be deactivated via **Settings → My Car → IntelliSafe → Collision Avoidance Assistance** in the centre display's top view.

### Pilot Assist

Pilot Assist<sup>12</sup> is a comfort function that can help to keep the car in its lane and at a preset distance to the vehicle ahead. Pilot Assist is selected and activated using the steering wheel's left-hand keypad. For steering assistance to work requires, amongst other things, that the driver has his/her hands on the steering wheel and that the lane markings are visible. When steering assistance is active, the driver display shows a GREEN steering wheel symbol.

<sup>11</sup> Not available for all markets.

<sup>12</sup> This function can be either standard or an option, depending on market.



04

## PARK ASSIST

### Park Assist Pilot\*

Park Assist Pilot can check the size of an available parking space and then steer the car into it if it is large enough. Your task is to pay attention around the car, follow the centre display instructions, select gear, control the speed and be prepared to brake/stop.

### Parking with Park Assist Pilot



1. Drive no faster than 30 km/h (20 mph) for parallel parking or 20 km/h (12 mph) for perpendicular parking. The distance between the car and the parking spaces should be approximately 1 metre (3 feet) when the function is searching for a parking space.
2. Press the **Park In** button in the function view or in the camera view.
3. Stop the car when the graphic and text in the centre display advise that a suitable parking space has been found. A pop-up window is shown.
4. Follow the instructions that appear in the centre display. Be ready to stop the car when the information in the centre display advises you to do so.

### Leaving the parking space with Park Assist Pilot

The function can only be used for a parallel-parked car.



1. Press the **Park Out** button in the function view or in the camera view.
2. Use the direction indicator to select the direction in which the car should leave the parking space.
3. Follow the instructions in the centre display.

### Park assist camera\*

The park assist camera can assist in observing any obstacles around the car using a camera image and graphic in the centre display. Selection of camera views and park assist lines is made in the centre display.

The park assist camera starts automatically when reverse gear is selected or manually in the centre display:



- Tap on the **Camera** button in the function view to activate/deactivate the function manually.



## PURER DRIVING PLEASURE

By planning your driving and by driving economically, you can reduce your fuel consumption as well as your carbon dioxide emissions and other contaminants in the air. This way you reduce your impact on the environment, as well as reduce the cost of your fuel consumption. Some factors you can influence yourself, but not others. Here is some advice.

### **Plan your driving by always performing the following:**

- Plan the journey - a lot of unnecessary stops and uneven speed contribute to increased fuel consumption.

### **Drive economically by means of the following:**

- Activate Eco drive mode - adapt the car for more energy-efficient driving.
- Avoid letting the engine idle - switch off the engine when stationary for longer periods.
- Drive at a steady speed and keep a good distance to other vehicles and objects to minimise braking.
- Drive with the correct tyre pressure in the tyres and check them on a regular basis. Select ECO tyre pressure for best results.
- Avoid driving with the windows open.

### **Factors you cannot influence**

- Traffic situation.
- Road conditions and topography.
- Outside temperature and headwind.

See the owner's manual for more tips on fuel-efficient driving.



## VOICE COMMANDS

The voice control system gives you the option to use voice recognition<sup>13</sup> to control certain functions of the media player, Bluetooth-connected phone, the climate system and Volvo's navigation system\*. Voice control is activated with a press on the voice control button in the steering wheel's right-hand keypad.

The following commands are always available for use:

- Repeat
- Cancel
- Help

### Voice commands for phone

- Call [contact]
- Call [telephone number]

- Recent calls
- Read message
- Message to [contact]

### Voice commands for radio and media

- Media
- Play [artist]
- Play [song title]
- Play [song title] from [album]
- Play [TV channel name]\*<sup>13</sup>
- Play [radio station]
- Tune to [frequency]
- Tune to [frequency] [wavelength]
- Radio
- Radio FM
- Radio AM
- DAB \*
- TV\*
- CD\*
- USB
- iPod
- Bluetooth
- Similar music

### Voice commands for climate control

- Climate
- Set temperature to X degrees
- Raise temperature/Lower temperature
- Sync temperature

- Air on feet/Air on body
- Air on feet off/Air on body off
- Set fan to max/Turn off fan
- Raise fan speed/Lower fan speed
- Turn on auto
- Air condition on/Air condition off
- Recirculation on/Recirculation off
- Turn on defroster /Turn off defroster
- Turn on max defroster/Turn max defroster off
- Turn on electric defroster/Turn off electric defroster\*
- Turn on rear defroster/Turn off rear defroster
- Turn steering wheel heat on/Turn steering wheel heat off\*
- Raise steering wheel heat/Lower steering wheel heat\*
- Turn on seat heat/Turn off seat heat\*
- Raise seat heat/Lower seat heat\*
- Turn on seat ventilation/Turn off seat ventilation\*
- Raise seat ventilation/Lower seat ventilation\*

#### **Voice commands for map navigation\***

- Navigation
- Take me home
- Go to [city]
- Go to [address]
- Add intersection
- Go to [postcode]
- Go to [contact]
- Search [POI category]
- Search [POI category] [city]
- Search [POI name]

- Change country/Change state<sup>14, 15</sup>
- Show favourites
- Clear itinerary
- Repeat voice guidance
- Turn off voice guidance
- Turn on voice guidance

<sup>13</sup> Applies to certain markets.

<sup>14</sup> In European countries, "Country" is used instead of "State".

<sup>15</sup> For Brazil and India, the search area is changed via the centre display.

## SPECIAL TEXTS

The owner's manual and other manuals contain safety instructions and all warning, important and note texts, which must be read. Some functions only apply to certain markets.

### WARNING

#### GETTING STARTED

**Volvo On Call** - For cars with Volvo On Call, the services only work in areas where the car has mobile coverage and in the markets where the service is available. Just as with mobile phones, atmospheric disturbances or sparse transmitter coverage may lead to connection being impossible, e.g. in sparsely populated areas.

For warning, important and note texts for Volvo On Call services, see the contract applicable to the Volvo On Call subscription as well as the Owner's Manual.

**Sensus Navigation\*** - direct all your attention to the road and make sure that all your concentration is on driving. Follow applicable traffic legislation and drive with good judgment. Due to weather conditions or time of year affecting the road conditions, some recommendations may be less reliable.

#### OVERVIEW, EXTERIOR

**Tailgate** - bear in mind the risk of pinching when opening/closing the tailgate. Check that no one is near the tailgate as a pinching injury could have serious consequences. Always operate the tailgate with caution.

#### OVERVIEW, INTERIOR

If the car is not equipped with a switch for activating/deactivating the passenger airbag, then the **passenger airbag** is always activated. Never use a rear-facing child seat on the front passenger seat when the airbag is activated. The passenger airbag must always be activated when front-facing passengers (children and adults) are sitting in the front passenger seat. Do not put objects in front of or above the dashboard where the passenger airbag is located.

**Remote control key** must always be taken out from the car when you leave it, and make sure the car's electrical system is in ignition position **0** - especially if there are children in the car.

**Parking brake** should always be used when parking on a slope. Engaging a gear or the automatic transmission's **P** position is not sufficient to hold the car stationary in all situations.

#### POWER FRONT SEATS

Adjust the position of the driver's seat before setting off, never while driving. Make sure that the seat is in locked position in order to avoid personal injury in the event of heavy braking or an accident.

#### FOLDING THE BACKRESTS IN THE REAR SEAT

Make sure the backrests are properly locked after they are lowered and raised. Make sure the head restraints are properly locked after they are raised.

#### PASSENGER COMPARTMENT CLIMATE CONTROL

**Heated seats\*** must not be used by people who find it difficult to perceive an increase in temperature due to a lack of sensation or who otherwise have problems operating the controls for the heated seats. Otherwise they may suffer burn injuries.

**Preconditioning** can be started via a timer set far in advance. Do not use preconditioning if the car is equipped with a heater\*:

- In unventilated spaces indoors. Exhaust gases are emitted if the heater starts.
- In locations with combustible or flammable material nearby. Fuel, gas, long grass, sawdust, etc. may ignite.
- When there is a risk that the heater's exhaust line may be blocked. For example, deep snow inside the front right-hand wheel housing can obstruct the heater's ventilation.

#### DRIVER SUPPORT

The driver support systems available in the car are designed to be supplementary aids for the driver but cannot handle all situations in all traffic, weather and road conditions. They can never be a substitute for the driver's attention and judgement. The driver is always responsible for ensuring the car is driven

in a safe manner, at the appropriate speed, with an appropriate distance to other vehicles, and in accordance with the traffic rules and regulations in force. The driver always bears ultimate responsibility for braking and steering the car.

Before using the car, it is recommended that you read all of the sections in the owner's manual relating to driver support systems in the car.

#### PARK ASSIST

**Park Assist Pilot** is supplementary driver support but it cannot handle all situations. It is only intended to assist the driver during parallel and perpendicular parking. The driver bears full responsibility for parking the car safely and braking when necessary. The scanning may miss objects positioned deep in the parking space. The driver always bears responsibility for assessing whether the space offered by Park Assist Pilot is suitable for parking.

**Park assist camera** is a supplementary driver aid for parking the car. It can never replace the driver's attention and judgement. The cameras have blind spots where obstacles cannot be detected. Pay particular attention if there are people and animals near the car. Objects/obstacles may be closer to the car than they appear to be on the screen.

Before using the car, it is recommended that you read all of the sections in the owner's manual relating to driver support systems in the car.

#### VOICE COMMANDS

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

### IMPORTANT

#### OVERVIEW, INTERIOR

The **OFF ROAD drive mode** must not be used while driving with a trailer without trailer connector. Otherwise, there is a risk of damage to the air bellows.

The **head-up display unit\*** from which the information is projected is located in the instrument panel. To avoid damage to the display unit's cover glass - do not store any objects on the cover glass and make sure that no objects fall down onto it.

#### CENTRE DISPLAY

**When cleaning** the centre display, use a microfibre cloth that is free from sand and similar. When cleaning the centre display, only use gentle pressure on the display. Heavy pressure can damage the display.

Do not spray any liquid or caustic chemicals directly on the centre display. Do not use window cleaning agent, other cleaning agents, aerosol spray, solvents, alcohol, ammonia or cleaning agent containing abrasive. Never use abrasive cloths, paper towels or tissue paper, as these could scratch the display.

#### FOLDING THE BACKRESTS IN THE REAR SEAT

There must be no objects on the rear seat when the backrest is to be folded down. Nor may the seatbelts be connected.

The integrated child seat\*/armrest\* on the centre seat must be in retracted position.

#### RIGHT-HAND STALK SWITCH

**Wiper blade in service position** - Before placing the wiper blades in the service position, make sure that they are not frozen down. If the wiper arms in service position have been folded up from the windscreen, they must be folded back down onto the windscreen before the activation of wiping, washing or the rain sensor, as well as before driving. This is to avoid scraping the paint on the bonnet.

#### CONNECTIONS

**Electrical socket** - the maximum power usage for a 12 V electrical socket is 120 W (10 A) per socket.

The maximum power usage for a 230 V electrical socket is 150 W.

### NOTE

#### OVERVIEW, EXTERIOR

**Foot-operated tailgate** - There is a risk of reduced function, or no function at all, if the rear bumper is loaded with large amounts of ice, snow, dirt or similar. For this reason, make sure you keep it clean.

The foot-operated tailgate function is available in two versions:



- Opening and closing with foot movement
- Only unlocking with foot movement (lift up the tailgate manually to open it)

Note that the function for opening and closing with foot movement requires power operated tailgate\*.

**Programming max opening** - If the system has been operating continuously for a long time, it is switched off to avoid overload. It can be used again after approx. 2 minutes

Electromagnetic fields and screening may interfere with the **functions of the remote control key**. Avoid storing the remote control key close to metal objects or electronic apparatus, e.g. mobile phones, tablets, laptops or chargers - preferably no closer than 10-15 cm 4-6 inches.

#### OVERVIEW, INTERIOR

The **OFF ROAD** drive mode is not designed to be used on public roads.

**During cold starting**, the idling speed may be noticeably higher than normal for certain engine types. This is done in order that the emissions system can reach normal operating temperature as quickly as possible, which minimises exhaust emissions and protects the environment.

**Head-up display\*** - When City Safety is activated, the information in the head-up display is replaced by a graphic for City Safety. This graphic is illuminated even if the head-up display is switched off.

The driver may have less chance of seeing information in the head-up display if, for example, he/she is wearing polarising sunglasses, if he/she is not sitting centrally in the seat, if there are any objects on the cover glass of the display unit, or in unfavourable light conditions. Certain visual defects may cause headaches and a feeling of stress during the use of the head-up display.

#### STEERING WHEEL

**Trip computer** - certain deviations may occur when calculating the distance travelled if the driving method is changed.

#### PASSENGER COMPARTMENT CLIMATE CONTROL

Heating or cooling cannot be hastened by selecting a higher or lower temperature than the actual desired temperature.

**Preconditioning** - The car's doors and windows should be closed during the preconditioning of the passenger compartment.

#### CONNECTIONS

**Internet** - data is transferred (data traffic) when using the Internet, and this may involve a cost. Activation of data roaming and Wi-Fi hotspots may involve further charges. Contact your network operator about data traffic costs. When downloading using a phone, pay extra attention to the data traffic costs.

**Data downloading** can affect other services that transfer data, e.g. web radio. If the effect on other services is experienced as problematic, the download can be interrupted. Alternatively, it may be appropriate to switch off or cancel other services.

**Updating** - If the phone's operating system is updated then the Bluetooth connection may be broken. Delete the phone from the car and reconnect.

#### USING CONNECTED DEVICES

**Apple CarPlay and Android Auto** - Volvo is not responsible for the content in the CarPlay or Android Auto app.

#### PARK ASSIST

Keep the camera lens clear of dirt, snow and ice to ensure optimum function. This is particularly important in poor light.

**V O L V O**