WEB EDITION SENSUS NAVIGATION





Road type	Colour
Motorway	Orange
Primary road	Dark grey
Smaller primary road	Grey
Ordinary road	Light grey
Local road	White

Text and symbols on screen

- Event at next guidance point
- 2 Distance to next guidance point
- (3) Name of next road/street
- 4 Facility (Restaurant)
- 6 Planned route final destination
- 6 Planned route waypoint
- Symbol for destination/final destination
- 8 Calculated arrival time at final destination
- Calculated remaining distance to destination
- Compass
- Traffic information
- Section covered by traffic information
- (3) Current road/street name at car's current position (15)
- Planned route
- 15 The car's current position
- 16 Stored location
- Map scale

SENSUS NAVIGATION



Volvo's navigation system is a traffic information and road navigation system developed by Volvo. Sensus Navigation guides

you to a destination and provides information along the route. It informs of situations that can affect the drive, such as accidents, road works and shows alternative routes.

It is possible to create an itinerary, search for facilities along the route, store special places, etc. Sensus Navigation displays the car's exact position and in event of a wrong turning always corrects to guide you to the destination. You will see just how intuitive it is to use. Try it out. In order to get along with the system we recommend that you familiarise yourself with the information in this manual.

By facilitating accessibility and shortening driving distances, Volvo's navigation system also contributes to a better environment.

License agreement NAVTEQ Database

For information for the end user - see page 76.







Quick start..... 8





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QUICK GUIDE





Quick start

Activating the system

The car's electrical system must first be activated:

- Press the remote control key into the ignition switch and activate key position I (see the owner's manual for the car).
- 2. If the navigation system does not start within a few seconds press the centre console's **NAV** button.

WARNING

Observe the following.

- 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.

Controls

Volvo's GPS navigator can be operated in several ways:

- With the steering wheel's right-hand keypad
- With the controls in the centre console
- With a remote control
- With voice recognition.

For a functional description, see page 21.

Main commands

The steering wheel keypad is used in the following two examples for giving guidance to an Address or POI.



- Scroll/select in the menus with the **Thumbwheel** (1).
- Activate selections with a brief press on the Thumbwheel (abbreviated in the following example with "+ OK".
- Go back in menus and/or undo using EXIT (2).

Centre console controls

If the **centre console keypad** is used instead of the steering wheel keypad then the following applies:

Keypad in steering wheel	Centre con- sole
Turn the Thumbwheel	Turn TUNE
Press the Thumbwheel	Press OK
Press EXIT	Press EXIT

Guidance to a destination

The navigation system calculates the route, travel time and distance to the selected destination. The system gives guidance and instructions for junctions, etc.

If there is a deviation from the planned route outline during the journey then the system automatically calculates a new route outline.

Quick start	0	1
Action		
Press the centre console button NAV .		

(DD)

Quick start

Search address

Step	Display screen/ menu	Action
1	If the display screen does not show a map image, proceed as follows:	Press the centre console button NAV .
2	Мар	Press NAV to display the " Short- cuts " menu.
3	Menu Short- cuts, see page 32.	Mark Set address + OK.
4	Address	Mark City: + OK.
5	Daisy wheel - see page 28.	Turn the thumb - wheel to select a character and enter it by click- ing OK - a list of options emerges on the screen.

Step	Display screen/ menu	Action
6	Daisy wheel	Select the appro- priate district from the list + OK .
7	The screen shows the same view as (4) with City: filled-in.	Mark Set single destination + OK.
8	Мар	Guidance starts - follow the instructions.

For more detailed information on searching destinations with address, see page 41.

Search POI

POI is also denominated as "point of interest" and "facility".

	menu	
1	If the display screen does not show a map image, proceed as follows:	Press the centre console button NAV .
2	Мар	Press NAV to display the " Shortcuts " menu.
3	Menu Short- cuts, see page 32.	Mark Set point of interest + OK.
4	Point of inter- est (POI)	Select e.g. Near the car + OK.
5	Menu Near the car and Results list.	Select e.g. Nearest tourist attraction + OK.
6	Results list	Select the desired option from the list + OK .

Step

Display

screen/



Quick start

01

Step	Display screen/ menu	Action
7	Pop-up menu	Mark Set single destination + OK.
8	Мар	Guidance starts - follow the instructions.

For more detailed information on searching destinations with POI, see pages 42 and 70.



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GET TO KNOW YOUR NAVIGATION SYSTEM





This owner's manual

Heading level 1

02

Heading level 2

The content under this heading is part of Heading level 1.

Heading level 3

The content under this heading is part of Heading level 2.

Heading level 4

The content under this heading is part of Heading level 3.

General information about the owner's manual

There is a quick guide for the user who wants to get started right away - see page 8.

For a more in-depth description of operation and options, as well as the selection of settings to the destination, the recommendation is to read the manual in combination with practical use.

Menu options/Search paths

All options that can be selected on the display screen are marked in this manual with slightly larger and grey-shaded text, e.g. Set destination.

Search paths in the menu tree are stated as e.g.:

Set destination → Address → City:

English text

The images in the owner's manual are common to all markets and languages, so where they contain text it is mainly in English.

In order to facilitate the user's understanding of the images and their menu options with search paths linked to the manual's text, the English word for the image is given in brackets immediately after the intended text/phrase in the language of the manual:

Home	
Address	Þ
Point of interest (POI)	►
Stored location	Þ
Previous destination	•
Internet search	Þ
Postcode	•

Set destination → Address

(Set destination > Address)¹

Special text

NOTE

NOTE

Texts marked with NOTE provide advice or tips to facilitate use of e.g. features and functions.

Footnote

There is information in the owner's manual that is added as a footnote at the bottom of the page or in direct association with a table.

¹ Not printed in English language owner's manuals - but shown here as an example.



This owner's manual

This information is a supplement to the text to which it refers via the footnote number/letter.

Options

All types of options/accessories are marked with an asterisk (*).

In addition to standard equipment, this manual also describes options (factory fitted equipment) and certain accessories (retrofitted extra equipment).

The equipment described in this manual is not available in all cars - they have different equipment depending on adaptations for the needs of different markets and national or local laws and regulations.

In the event of uncertainty over what is standard or an option/accessory - contact a Volvo dealer.

Changes in the owner's manual

The specifications, design features and illustrations in this manual are not binding.

We reserve the right to make modifications without prior notice.

© Volvo Car Corporation



Before starting

General

The Volvo navigation system uses reference system WGS84, which gives longitude and latitude positions.

The navigation system can be used without a destination being selected.

Points to remember

The navigation system provides road information which guides to a preset destination. However, all of the recommended guidance is not always reliable, since situations may arise that are outside the capacity and judgement of the navigation system, such as sudden changes in the weather.

\Lambda WARNING

Observe the following.

- 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.

Settings

The system is supplied with default settings, but starts with the settings last used.

On/Off

On

- 1. Push the remote control key into the ignition switch.
- 2. The screen activates automatically in key position I (see the owner's manual for the car).
- Press the centre console's button NAV if the navigation system does not start automatically.

The system may need a couple of seconds to detect the position and movement of the car - following which, the map is shown covering the current geographical area where the car is symbolised by a blue triangle.

Off

The navigation system cannot be deactivated manually, but instead operates in the background after the "Start-up" sequence - it is not deactivated until the remote control key is removed from the ignition switch.

The navigation system is also available when the engine is switched off. When the battery level gets too low the system switches off.



Before starting



02 Get to know your navigation system

Overview



NOTE: The figure is schematic - details may vary depending on car model and market.





Overview

1 Antenna for GPS

The antenna is integrated into the roof antenna.

2 Voice recognition

Some procedures in the Navigation system can also be voice controlled. The microphone (2a) is fitted in the ceiling and the activation button (2b) is located on the right-hand keypad on the steering wheel. For more information, see page 24.

3 Main unit

The main unit is fitted in and behind the centre console and includes the following functions:

- Calculating the position of the car
- Calculating the route to the specified destination
- Handling traffic information
- Voice guidance
- DVD player

Receiver for GPS and traffic information (TMC¹) is integrated into the main unit.

Positioning

The car's speed sensor and a gyro calculate the current position and the direction of travel of the car using signals from the GPS satellite system.

The advantage of this concept is that the Navigation system registers and calculates the route outline even if the GPS signal is temporarily lost, e.g. when driving through a tunnel.

Traffic information

TMC¹ is a standardised coding system for traffic information. The receiver automatically searches for the correct frequency. Reception takes place via the FM antenna.

i) NOTE

TMC is not available in all areas/countries. The system's coverage area is under constant construction and updating may sometimes be necessary.

4 Screen

The screen displays maps and provides detailed information on route type, distance, menus etc.

5 Keypad, centre console

As an alternative to the steering wheel keypad, the centre console's numerical keypad can be used in combination with buttons **OK/ MENU**, **TUNE** and **EXIT** to scroll between different menu options, confirm options or go back in menus, see page 21.

6 Volume control and IR receiver

Use the audio unit's volume control during ongoing voice messages to adjust the volume, see page 31. The volume can also be adjusted in the menu system.

Point the remote control towards the centre console during use - its IR receiver is located there.

¹ Traffic Message Channel.



Overview

7 Keypad, steering wheel

A keypad is located on the right-hand side of the steering wheel. Use it to scroll between different menu options, to confirm selections or to move back in menus, see page 21.

8 Speakers

Navigation system audio uses the front loud-speakers.



Controls

General information about controls

The navigation system is operated by controls on the centre console, the steering wheel keypad or using a remote control*. The three different control unit keypads have common functions but differ in appearance and operation. The design may also vary depending on market.

The system can also be controlled by voice recognition using specific commands - see page 24.

Centre console



Centre console keypad.

- NAV activates the GPS navigator on the display screen. With GPS activated, a quick menu opens/closes, see page 32.
- 2 Numerical keys enter information for address and name search, and scroll on the map, see pages 28 and 32.
- Press OK/MENU once to confirm or activate a selection. Described in this manual with the "OK button" or "+ OK".
- 4 Turning TUNE scrolls between different menu options or zooms when the map image is shown. Described in this manual with the "TUNE knob".
- 6 Press **EXIT** once to go back in the menu structure or undo a selection.

Steering wheel

The steering wheel's keypad is available in several versions depending on market and selection of audio system.



Steering wheel right-hand keypad.

- **1 Turn** the thumbwheel to scroll between different menu options or zoom when the map image is shown.
- **Press** the thumbwheel to confirm/activate a selection.
- 2 EXIT goes back in the menu structure or undoes a selection.



Controls

Voice recognition

See page 24.

Remote control

The remote control can be used to control/ operate several functions in the car - only the related navigation system is described here.

• Point the remote control at the centre console during use.



Remote control keypad.

- **1** NAV activates the GPS navigator on the display screen. With GPS activated, a quick menu opens/closes, see page 32
- **EXIT** goes back in the menu structure or undoes a selection.
- OK/MENU confirms or activates a selection. Described in this manual with the "OK button" or "+ OK".

4 Arrow keys move the menu cursor.

5 Numerical keys enter data for address and name search, and scroll on the map.

i NOTE

If the remote control does not work, try replacing with new AA/LR6 batteries first of all.

🚹 WARNING

Store the remote control and other similar objects in one of the storage compartments - in the event of sudden braking or a collision such objects could cause personal injury or material damage.

Additional information







Controls

Sometimes there is more information available than can fit on a menu bar - the text line then ends with the character: "#".

To view the rest of the information:

• Press the INFO button.



Voice recognition

General about Voice control

Voice control means that certain functions in the navigation system can be activated by the spoken word.

The Voice commands offer comfort and help the driver to avoid distraction - instead the driver can concentrate on driving and focus attention on the road and traffic situation.

🔥 WARNING

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

The Voice control uses the common microphone of the hands-free system - the driver receives responses to the Voice control through the vehicle's loud speakers.

The microphone is positioned in the ceiling in front of the driver for optimal take-up of the driver's speech - it can however be disturbed by/pick up loud voices from passengers.

Handling



Keypad in steering wheel.

Button for voice control

Activating the system

 A short press on the steering wheel button (1) activates the voice recognition system - a voice command can be given after the tone.

Think of the following when using the voice recognition system:

- For commands: Speak after the tone with a normal voice at a normal tempo.
- The car's doors, windows and sunroof must be closed.
- Avoid background noise in the passenger compartment.

ΝΟΤΕ

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

Voice commands can be disabled by:

- press EXIT
- hold the steering wheel button for Voice recognition depressed for several seconds.

Use the voice command

Entering information in the navigation system using the voice command is very simple because the screen lists the frequently occurring commands to be used in the relevant situation.

Starting

A voice command is started as follows:

• Briefly press the steering wheel button for Voice recognition - the screen then lists examples of possible commands.

Commands in different ways

The command "Navigation > Set address" can, for example, be spoken as:



Voice recognition

 Say "Navigation", then wait for the response from the system in the form of suitable alternatives on the screen - continue selecting and say e.g. "Set address".

or

Say the whole command in one sequence

 "Navigation Set address".

Some simple tips

- To give a command: Give a short press on the steering wheel's voice button and then speak naturally after the tone.
- To answer the voice recognition system:
 Speak after the tone that finishes the question.
- The voice recognition system asks several times for an answer. If the driver does not answer then the session is concluded.
- The dialogue with the system can be speeded up: - Interrupt the system's speech with a short press on the steering wheel's voice button, wait for a tone and then start to speak.
- The driver can obtain help during a dialogue by saying "**Help**" after the tone.

NOTE

A complete list of quick commands is available in the menu system **MY CAR** -**MY CAR →** Settings → Voice control settings → Command list.

Volume

Adjust the audio volume of the voice recognition system with the centre console's **VOL** knob while the system is speaking.

Help functions and settings

	My XC60	• \
	Trip statistics	►
	Settings	
-	Owner's manual	



MY CAR → Settings → Voice control settings

The menu system **MY CAR**¹ contains programs where the driver can practice the voice recognition system's functions.

The better the driver knows the voice recognition system, the more comfortable the driver will be using the functions. For this reason it is recommended that you acquaint yourself with the built-in practice programs.

ΝΟΤΕ

The exercise programs are only accessible when the car is stationary with the parking brake applied.

¹ For a description of the menu system **MY CAR** - see the normal owner's manual for the car.



Voice recognition

Introduction to voice control



MY CAR → Settings → Voice control settings → Introduction to voice control

Cursor on **Introduction to voice control** + **OK** gives information about how the voice recognition system operates and is an easy way of learning about its functions and the procedure for giving commands.

List of commands

MY CAR → Settings → Voice control settings → Command list

Cursor on **Command list + OK** shows all voice commands that the system can handle.

User profile

	Tutorial	
	User setting	Default Trained user
2	Voice training TTS speed	Medium V

MY CAR → Settings → Voice control settings → User setting

Cursor on User setting + OK starts a program where the voice recognition system learns the driver's voice and language profile.

Here, the driver's role is to repeat the words and sentences read out by the program's voice after each audio signal, as well as to follow the onscreen instructions. The time required for profiling is approx. 5 minutes.

After profiling is complete a setting can be made with the desired option highlighted + **OK**:

- **Default** standard setting if no voice and language profiling is completed.
- **Trained user** The voice recognition system is adapted for a specific driver in a specific language.

NOTE

Menu option **Default** can only be changed to **Trained user** after a lesson on **User setting** has been completed.

See also information under the heading "Language dependent user profile" on page 27.

Voice training

MY CAR → Settings → Voice control settings → Speaker adaptation

Cursor on **Speaker adaptation** + **OK** starts a program where the voice recognition system learns to recognise the driver's voice and language profile even better than when it was stored during the voice and language profiling (see the description in the previous section "User profile").

Speed for synthetic voice

MY CAR → Settings → Voice control settings → Read out speed

Voice recognition

Cursor on **Read out speed** + **OK** enables the option to change the speed at which the voice recognition system speaks:

- Fast
- Medium
- Slow

Language

The voice recognition system is under continuous development and at the time of the issue of this manual the function was available in the following languages:

- English (UK)
- French (FRA)
- Dutch
- Italian
- Russia
- Spanish (EU)
- Swedish
- German

i note

The voice recognition system in combination with GPS navigation only works with the languages listed here.

Change language

MY CAR \rightarrow Settings \rightarrow Language



The languages that are included in the voice recognition system have this icon in the language list.

To change the language - navigate to MY CAR → Settings → Language and highlight the required language + OK + NAV.

Language dependent user profile

The voice recognition system only understands the language set in **MY CAR**.

Say that the voice and language profile "Trained user" is stored by a Swedish speaking driver with the system set in Swedish.

If the driver then changes the car's language (in **MY CAR**) to **English**, the voice recognition system will not work.

This is because the voice and language profile "Trained user" - which only understands commands in **Swedish** - is no longer selectable since the voice recognition system now only understands and expects **English** speech. Instead, the system activates the option "**Default**". For the voice recognition system to understand the driver's **English** pronunciation, the only solution is to repeat the procedure described under the heading "User profile"² but then with the system set to **English**.

NOTE

If a market is not included in the language list then there is always the option to select a language from the list and use voice recognition in that language for navigation.

However, note that if the language is changed to English, for example, in **MY CAR**, then not only is Voice recognition changed to English - but Voice guidance and Menu and Help texts also change to the same language.

02

(-=



Keyboard

Entering and selecting options



Screen view with text field or optional text.

This navigation system uses a "daisy wheel" to enter specific information, e.g. type of POI, city/town, area/country, address, street or post code.

Activate an option

After marking a desired function/menu bar using the **thumb wheel** or the **TUNE** knob, press the **thumb wheel/OK** to see the next level of functions/options.

Enter as follows



The daisy wheel.

- 1. Mark a text field.
- 2. Press OK to call up the daisy wheel.
- 3. Select the characters using the **thumb** wheelTUNE knob and enter them by pressing **thumb** wheelOK.

Numerical keyboard

Another way of entering characters is using the centre console's buttons **0-9**, * and **#**.

When **9** is pressed, a bar appears with all characters¹ under the buttons, e.g. **W**, **x**, **y**, **z** and **9**. Quick press the move/"loop" cursor through these characters.

- Stop using the cursor on the desired character to select it the character is shown on the enter line.
- Delete/change using EXIT.

More options

NOTE

Faded characters cannot be selected in combination with the currently input characters.

In the daisy wheel's inset menu there are further options that have more characters and digits:

- 123 + OK digits appear in the wheel.
- MORE (More) + OK alternative characters are shown in the wheel.
- => + OK the cursor moves to the list on the right-hand side of the screen, where selections can be made using OK.
- Postcode (Postcode) + OK the cursor moves to the list on the right-hand side of the screen, where selections can be made using OK.

¹ The character for each button may vary depending on market/state/language.



Keyboard

List of options



List that matches entered characters.

The digit "149" in the screen's top right-hand corner means that the list contains 149 possible options that match the entered letters "LON".

No list

An empty list and the characters "***" in the screen's top right-hand corner mean that the number of available options with current entered characters is greater than 1000 - when the amount is less, the current options are shown automatically.

To reduce the number of options in the list:

• Enter more characters on the text line.



Maps, road types and compass



NOTE: The images are schematic - some details may vary depending on software version and market.



Maps, road types and compass

Map image of current position

The appearance of the screen image depends on geographic position and the settings made, e.g. map scale, facilities selected for display etc.

Explanations for the text, signs and symbols that may appear on the display are available on the front of the cover.

- 1 Three alternative routes can be calculated when an Itinerary is set see page 52.
- 2 Detailed junction map the left-hand section of the screen shows a detailed enlargement of the next junction. The situation is always supplemented with a voice message, see next section.

3 Avoid a particular area - see page 53.

A Scroll mode - see page 32.

Voice guidance

After a destination has been entered and the car approaches a junction or exit, a voice message sounds stating distance and type of the next manoeuvre. At the same time a detailed map of the junction is displayed. The voice guidance message is repeated closer to the junction.

The volume can be adjusted with the audio unit's volume button (during ongoing voice message).

To repeat a message:

• Press twice on the **OK** button.

For more information on Voice guidance - see page 58.

i) NOTE

There is no voice guidance during a current call with a Bluetooth-connected mobile phone.

To use Voice guidance in a different language:

• See the heading "Change language" page 27.

Compass



The red tip of the compass needle points north and the white end points south.



Menus

Menu system

Each respective section in this manual shows all available menus and options.

i note

Greyed-out menu bars/options on the screen are temporarily not selectable.

Shortcuts



The navigation system has a menu with shortcuts to the most frequently used functions.

To Shortcuts from map mode

Press the NAV button.

To Shortcuts from another menu

Press the NAV button twice.

The shortcuts are:

- Set address see also page 41.
- Set point of interest see also page 42.
- Previous destinations see also page 44.
- Itinerary see also page 47.
- Traffic information see also page 65.
- Internet navigation see also page 44.
- Cancel guidance cancels/pauses the current itinerary. The menu bar then changes over to the option Resume guidance.

Main menu



The main menu is located at the top of the navigation system's menu tree.

To Main menu from map mode

• Press the **OK** button.

To Main menu from another menu

• Press NAV and then OK.

or

• Press **EXIT** repeatedly until the Main menu is shown.

Back to the map

There is an easy way to quickly bring up the map on the screen again, no matter how deep into the menu system the user is:

• Press NAV.

Scroll menu





Menus

In Scroll mode a crosshair¹ is moved over the map image using the centre console's numerical keys.

Activating Scroll mode in normal map mode

• Press one of the numerical keys 0-9.

Scrolling

 Press one of the numerical digit keys 1-2-3-4-6-7-8-9 - a directional arrow is shown in the margins combined with the number that will be used to scroll the map in the desired direction.

To zoom

• Turn the **TUNE** knob.

Numerical button "5"

- 5 JKL
- Pressing the number **5** in Scroll mode centres the map around the car's position.

If an Itinerary with Waypoints is activated, the map is centred around each respective Waypoint with each additional press.

Exiting from Scroll mode

Press EXIT.

Crosshair



Press **OK** once to show a menu for the point on the map, which the centre of the crosshair points to:

- Set single destination Deletes any previous destinations in the itinerary, and starts guidance on the map.
- Add as waypoint Adds the selected point to the itinerary.
- **POI information** About facilities, see page 42.
- Traffic information on map Allows you to view traffic messages² around the selected location.
- Information Shows information available about the selected location.

• Save - Allows you to store the highlighted location in the memory.

¹ Select whether the position of the crosshair/cursor should be shown with name or GPS coordinates, see page 55.

² The service is not available for all areas/markets.



Menu tree in three levels

Menu tree

02

The menus are structured as follows:

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

Menus/functions and page

Shown here are three of the menu tree's levels. Several of the menus at level 3 have further submenus - these are described in more detail in each respective section.

Repeat voice guidance	31
Set destination	41
Home	41

Address		41
	Country:	
	City:	
	Street:	
	Number:	
	Junction:	
	Set single destination	
	Add as waypoint	
	Information	
	0	
	Save	
Point o	Save of interest (POI)	42
Point	Save of interest (POI) By name	42
Point o	Save of interest (POI) By name By category	42
Point	Save of interest (POI) By name By category Near the car	42
Point	of interest (POI) By name By category Near the car Along the route	42
Point o	Save of interest (POI) By name By category Near the car Along the route Near the destination	42
Point o	Save of interest (POI) By name By category Near the car Along the route Near the destination Around point on map	42

Stored location	
Set single destination	
Edit	
Delete	
Delete all	
Previous destination	44
Set single destination	
Add as waypoint	
Information	
Save	
Delete	
Delete all	
Internet search	
Postcode	


Menu tree in three levels

Latitude and longitude	45
Format:	
Set single destination	
Add as waypoint	
Information	
Save	
Select point on map	46
Set single destination	
Add as waypoint	
Save	
Itinerary	47
Itinerary	47
Start guidance	
Add another waypoint	
Clear itinerary	
Route	48

Avoid	48
Reroute	
Longer	
Shorter	
Delete	
Alternative routes to destination	49
Route overview	49
Detailed route information	49
Next	
Previous	
Zoom in	
Zoom out	
Map of remaining route	50
Record route	50
or	
Stop recording	
Traffic information	65

Cancel guidance	32
or	
Resume guidance	
Settings	52
Route options	52
Route type	
Route proposals	
Avoid area	
Map options	54
Show full-screen map	
Map type	
Motorway information	
Position information	
POI symbols	
Map colours	



Menu tree in three levels

Guidance options	56
Time of arrival format	
Street names in voice guidance	
Turn-by-turn navigation	
Automatic read out of traffic	
Voice guidance	
Speed camera warning	
System information	58
FAV key options	59
Import/export stored locations	59



	N
Specify a destination	
Itinerary and Route	47 5
Settings	



N/s

PLANNING YOUR TRIP





Specify a destination



There are several ways to enter a destination - the following are available:

- Home, see page 40.
- Address, see page 41.
- Point of interest (POI), see page 42.
- Stored location, see page 43.
- Previous destination, see page 44.
- Internet search, see page 44.

- Postcode, see page 44.
- Latitude and longitude, see page 45.
- Select point on map, see page 46.

See also page 28 for information on how characters are typed/entered into the system's various text fields.

Search via Home



Set destination → Home

The navigation system can store any position under the menu option "**Home**" - the function simplifies the return journey to home or work after a trip or an assignment.



The option to store a position such as "**Home**" is shown each time a position is due to be saved:

- Highlight Save location as home + OK.
 To activate an Itinerary with destination "Home":
- Highlight Set destination → Home + OK
 guidance starts.

Search via Address



Set destination → Address

It is sufficient to only enter a city/town in order to obtain an itinerary with guidance - it guides to the centre of the city/town.

i note

The definition of city or area may vary from country to country and even within the same country. In some cases, it refers to a municipality and in others it refers to a district.

Country, city/town and street



How to search and locate a destination with address¹:

- 1. With the previous image view on the screen, press **OK** to activate the preset text field the daisy wheel is shown, see page 28.
- 2. Enter the name of the city/town in **City:** with the daisy wheel or the centre console's numerical keypad, see page 21.
- 3. Then select **Street:** with **TUNE** + **OK** and repeat the procedure.

The following search criteria can be used:

- Country: Enter a country.
- City: Enter a district/city.
- Street: Enter the street address.

- Number: Select one of the street's house numbers.
- Junction: Select destination based on two intersecting streets/roads.
- Set single destination Deletes any previous destination in the itinerary and starts guidance to the current destination.
- Add as waypoint Select + OK to add the address to the itinerary.
- Information Select + OK to view information about the selected destination.
- Save stores the address in the memory as Stored location or as Home.

More about Information



Select an address/street + **OK** - then the following can be selected:

¹ For information about how characters are typed/entered into the text fields, see page 28.



- Map Shows where on the map the location can be found - sometimes with additional information.
- **Call number**² Calls the facility if a telephone number is given.
- **Online info.**³ Supplementary information is downloaded from the Internet.

Set single destination

X	Address	
	Street: ANDERS TRULS VÄG	
	Number: <sel. house="" no.=""></sel.>	
-	Junction: <select junction=""></select>	
-4-	Set single destination	
	Add as waypoint	
1	/ Information	1
	Save	

	Start guidance	
	Add another waypoint	► \
	Clear itinerary	
47	ALHAGA	*

One destination and any waypoints are stored in an itinerary.

- Set single destination an itinerary is created. Any previous itinerary is deleted.
- Add as waypoint the destination is added as a waypoint in the itinerary.
- Start guidance activates guidance in accordance with the current itinerary.

See more information about **Start guidance** on page 47.

Search via POI



POI⁴ also denominated as "point of interest" and "facility".

The map database contains a large number of searchable POIs⁵ which can be specified as destinations.

All searches of POIs take place using the daisy wheel and subsequent options in the results lists. Highlight the required option in the results list + **OK** and finish by selecting one of the following:

² Requires connected mobile phone, see the Sensus Infotainment supplement.

³ Requires connection to the Internet, see the Sensus Infotainment supplement.

⁴ Point of interest

⁵ To select which POIs should be permanently visible on the map, see page 56.

- Set single destination Deletes any previous destination in the itinerary and starts guidance to the current destination.
- Add as waypoint Select + OK to add the address to the itinerary.
- Information Select + OK to view information about the selected destination.
- Save stores the address in the memory as Stored location or as Home.

The procedure is the same as described under the heading

"Country, city/town and street" on page 41.

With name



The menu option **By name + OK** leads directly to the daisy wheel and refers to searching of POIs with their proper name, e.g. "Peppes Bodega". The search area is the whole of the current map area, e.g. EUROPE.

With category



The menu option **By category** enables limited searching of POIs - select to enter their category (e.g. bank/hotel/museum), proper name, country and/or city/town.

Around the car

The menu option **Near the car** refers to searching of POIs around the car's current position.

Along the route

The menu option **Along the route** refers to searching of POIs along the set itinerary.

Near the destination

The menu option **Near the destination** refers to searching of POIs in the vicinity of the destination.

Around point on map

The menu option **Around point on map** refers to searching of POIs with the Scroll function's crosshair - see page 32.

• The scroll map is shown - Position the crosshair in the desired location + **OK** and search for the desired POI.

Search via Stored location



Set destination → Stored location

Collected here are routes, destinations and locations that have been stored with the menu option "Save". An itinerary can then be quickly set/supplemented by making use of these items.





Each respective saved route, destination and location can be adjusted:

- Set single destination
- Edit
- Delete
- Delete all

Search via Previous destinations

STENUNGSL	IND 🗸
ALHAGA	Set single destination
ANDERS TRU	Add as waypoint
Home	Information
CALMEYERS	Save
CALMEYERS	Delete
MALMÖ	Delete all

Set destination -> Previous destination

Previously used destinations are stored here. Highlight one of them + **OK** and then select between:

- Set single destination
- Add as waypoint
- Information
- Save
- Delete
- Delete all.

Search via Internet



Set destination -> Internet search

The option enables searching for destinations via the Internet⁶. Follow the on-screen instructions.

Post code



⁶ Requires connection to the Internet, see the Sensus Infotainment supplement.

Set destination -> Postcode

Search destination by post code:

 Highlight PostcodeOK + to call up the daisy wheel.



 Select characters with the **TUNE** knob and type/enter them by pressing **OK**. (Or type/enter characters using the centre console's numerical buttons - see page 28).

I NOTE

Presentation of post code may differ between different markets/areas.

Search via Latitude/Longitude

Stored location	×
Previous destination	•
Internet search	
Postcode	•
By phone contacts	•
Latitude and longitude	Þ
Point on map	•



Set destination → Latitude and longitude

First decide which method to use to enter the GPS coordinates by highlighting **Format:** + **OK**. Then highlight one of the following options + **OK**:

- DD°MM'SS'' position with Degrees, Minutes and Seconds.
- Decimal position with Decimals.

Then enter the GPS coordinates as follows:

- Position the cursor on the digit/character to be changed by turning **TUNE** and press **OK** - the character window changes contrast and becomes "active".
- Turn **TUNE** to type/enter the digit/character and finish with **OK** - the character window becomes "deactivated".
- Move the cursor to the next character location to be changed and repeat steps 1 + 2.
- When both coordinates have been entered, turn **TUNE** and highlight one of the following options + **OK** in order to store the position or add it to the itinerary:
- Set single destination adds the position of the coordinates on the map as a destination.
- Add as waypoint adds the position of the coordinates on the map as a waypoint in the itinerary.
- Information shows information available about the position.
- Save stores the position in the memory as Stored location or as Home.

Search via point on map





Cursor position shown with GPS coordinates⁷.

Set destination → Select point on map

Shows maps with current location pointed out by a cursor.

• Turn **TUNE** to change the scale.

- Move the crosshair using the centre console's numerical keys: [6 MNO] moves to the right, [8 TUV] moves down, etc. - see page 32.
- 2. When the desired location has been found Press **OK**.



Cursor position shown with name7.

Then select between the following options and activate with **OK**:

- Set single destination
- Add as waypoint
- Save

⁷ Select whether the position of the cursor should be shown with name or GPS coordinates, see page 55.

Itinerary



Itinerary

An Itinerary is created when a destination is saved. The system handles one itinerary at a time with a maximum of 4 waypoints.

Start guidance



Itinerary → Start guidance

Cursor on **Start guidanceOK** + activates current itinerary and guidance starts.

Route proposals



Results after "Start guidance" with "Route proposal 3" preset.

If the **Route proposals**¹ function is preset - which shows 3 alternative itineraries - then the driver must first select one of them before guidance starts.

Further information is available under the heading "Alternative routes to destination" on page 49.

Adding waypoints

If you want to make a journey in stages then up to 4 "intermediate stops"/waypoints can be added to the itinerary.



Itinerary → Add another waypoint

Cursor on **Add another waypoint + OK** adds a waypoint to the itinerary.

The first specified/saved destination is the journey's Final destination - subsequent input destinations are then Waypoints.

NOTE

The last added destination will always be Waypoint-1 - the previous Waypoint is raised one step: "Old" Waypoint 1 becomes Waypoint 2, etc.

1 See page 52.

The reciprocal order of the waypoints can easily be adjusted afterwards - see point **Move in list** under the next heading.

Intermediate destinations in the itinerary



Highlight a waypoint + **OK** to update the waypoint.

Move in list

To change the order between the waypoints, proceed as follows:

- 1. Highlight the waypoint to be moved + **OK** - a pop-up menu is shown
- 2. Highlight Move in list + OK
- Turn TUNE the waypoint is moved up/ down in the list
- Close with EXIT the route is recalculated and guidance starts.

Deleting the itinerary

Cursor on **Clear itinerary** + **OK** deletes the current itinerary including all waypoints.

Route

Avoid

Repeat voice guidand	
Set destination	•
Itinerary	•
Route	
Traffic information	•
Cancel guidance	
Settings	•



Route → Avoid

With this function the driver can select to avoid the next approaching section of a route. However, the function only works where alternative streets/roads are available otherwise the highlighting, or parts of it, is ignored.

Cursor on **Avoid** + **OK** opens the following view, with the first possible subsection already highlighted.



Highlighted subsection.

Highlight the desired action + **OK**:

- Reroute the system calculates another route in which consideration has been taken of the section to be avoided.
- Longer subsection to avoid is extended.

- Shorter subsection to avoid is shortened
- Delete highlighted subsections are deleted and the route is restored to the original version.

Using a similar function - Avoid area - a whole area can be deselected, see page 53.

Alternative routes

Route 3 15:26 11 km

Route type





Boute → Alternative routes to destination

Cursor on Alternative routes to destination + OK enables the option to select from previously compiled alternative routes to the destination. See also Route proposals page 52.

Boute overview





Route → Route overview

Cursor on Route overview + OK lists information about the route's wavpoints and final destination.

Detailed route information



Route

Detailed route information

Each section between a route's waypoints consists of a number of subsections containing different elements, e.g. straight sections, exits, intersections, slip roads, etc.

Cursor on Next/Previous + OK shows position on map, denomination and distance for all subsections of the route in a loop.





Detailed subsection on a route.

- Next scrolls to next subsection.
- Previous scrolls to previous subsection.
- Zoom inZoom out enlarges/reduces the map image of the current subsection.

Map of the remaining route





Route → Map of remaining route

Cursor on **Map of remaining route + OK** shows a screenshot of the remaining section of the route from the car's current position.

Otherwise, the same functions as in the Scroll menu, see page 32.

Record route





The "REC" symbol indicates that route recording is in progress.

Route → Record route

Records and saves the current route in the memory.



Itinerary and Route

The REC symbol is shown on the screen while recording is in progress. Recording is cancelled with the same menu option - Start/ Stop route recording.

The recorded file can be exported/transferred to a USB memory stick² in order to e.g. be copied to another vehicle's GPS navigator, see page 59.

² For information about USB memory sticks, see the owner's manual for the car or the Sensus Infotainment supplement.



Route options



Settings → Route options

Route type



Settings → Route options → Route type

Different types of route can be selected here: Activate the desired option with **OK**.

- Fast with traffic adaption short travel time with minimal traffic queues¹.
- Fast short travel time prioritised.
- Short short route prioritised. The route can also be set via smaller roads.
- ECO with traffic adaption low fuel consumption prioritised.

Route proposals

Route type	Short 🔻
Route proposals	
Avoid area	3
Avoid motorways	
Avoid toll roads	
Avoid tunnels	
Avoid ferries	

Settings → Route options → Route proposals

On the command **Start guidance** guidance starts in different ways depending on whether the driver has selected the option "1" or "3"².

• Activate the desired option with **OK** and go back out of the menu with **EXIT**.

Alternatives "1"

The route is based on preset **Route type** in the previous section and guidance starts.

Alternatives "3"



The driver must select between different alternative routes - only then does guidance start.

i NOTE

The delay before guidance starts is slightly longer when the "3" option is selected the system must first then calculate 3 suitable alternatives.

¹ Coordinated with information from the Traffic radio, see page 66. ² See page 47.

Avoid area



Settings → Route options → Avoid area

The function is designed for avoiding guidance through particular areas, cities or districts. The system ignores the selected areas when calculating the route outline. The exception is motorways, which are also used for calculation in a restricted area.



Select area on map	
From stored location	•

Settings \rightarrow Route options \rightarrow Avoid area \rightarrow Avoid new area \rightarrow Select area on map

Creating a restricted area An area that shall be avoided is selected by highlighting directly on the map with a square zone/a "box".



To create and store a restricted area:

- 1. Scroll the map until the cursor is in the desired area.
- 2. Press **OK** a red "box" is created.
- 3. Turn **TUNE** to adjust the size of the box.
- 4. Press **OK** when the box is covering the desired area the area is stored and is shown in a list.

Activating a restricted area

A stored restricted area must then be activated in order to avoid guidance through it. Proceed as follows:



- Highlight the desired option in the list of restricted areas + OK.
- Select Activate + OK the restricted area is activated and the system will not give guidance through it.



Deactivating a restricted area In order to make an activated restricted area available for guidance again, it must first be deactivated:

- 1. Highlight the activated restricted area in the list + **OK**.
- Select Deactivate + OK the restricted area is deactivated and the system can once again give guidance through it.

The system can store several restricted areas, which can be activated/deactivated as required.

It is also possible to avoid guidance and to block a subsection on a specific road/street, see page 48.

Customise route



Settings → Route options

Here you can deselect certain traffic suggestions. Tick to avoid the following element³ along the route:

- Avoid motorways
- Avoid toll roads
- Avoid tunnels
- Avoid ferries
- Avoid car trains
- Avoid vignette obligation

NOTE

- If an itinerary is entered when these selections are made then there may be a certain delay after an option has been ticked/unticked since the itinerary must be recalculated.
- If tunnels, toll roads and motorways are not selected then these are avoided as far as possible and are only used if no other reasonable alternative is available.

Map options



Settings -> Map options

Full screen map



Settings \rightarrow Map options \rightarrow Show fullscreen map

³ Available options vary depending on area/market.

Highlighted option + **OK** shows the map across the whole screen without other carrelated information, such as passenger compartment temperature or active radio transmitter in the lower and upper edge of the screen.

Map mode compass direction



Settings → Map options → Map type

This is where to select how the map is shown on the screen. Activate the desired option with **OK**.

- North up the map always shows North at the top of the screen. The car symbol moves in the relevant direction on the screen.
- Map heading up the car symbol is in the centre and always points up on the

screen. The map image rotates under the car symbol in relation to how the road bends.

- 3D map basic the map is viewed diagonally from above with the car symbol in the centre and direction of travel upward on the screen.
- **3D** map enhanced same as the previous option but with different objects, buildings, etc. added into the map image.

Information along a motorway



Settings → Map options → Motorway information

When the car is on a motorway the three (3) next exits with e.g. a rest area or petrol station are shown. The list is sorted with the closest exit at the bottom of the list.

Cursor on **Motorway information** + **OK** gives a tick in the box and activates the function.

Information about current position



Settings → Map options → Position information

Activate the desired option with OK.

- Current road the screen shows the name⁴ of the road/street where the car/ cursor is located.
- Lat/Long the screen shows the coordinates for the location where the car/ cursor is located.
- None the screen shows no information for the location where the car/cursor is located.

⁴ See example on page 46.



03 Planning your trip

Settings



Settings → Map options → POI symbols

This is where to specify which POI should be shown on the map. Activate the desired option with **OK**.

- Default POI specified with the function Selected is/are shown.
- Selected select with the TUNE knob + OK for each POI required on the screen.
- None no POI is/are shown.

See the list with POI examples on page 70.

Map colours



Settings → Map options → Map colours

Activate the desired option with OK.

- Automatic a light sensor detects whether it is day or night and adapts the screen automatically.
- **Day** the colours and contrast of the screen become clear and sharp.
- Night the colours and contrast of the screen are adapted to provide the driver with optimum night vision.

Guiding options



Settings → Guidance options

Arrival time or Remaining travel time



Settings → Guidance options → Time of arrival format

⁵ POI - Point of interest. Also denominated as "point of interest" and "facility".

Activate the desired option with OK.

- ETA shows the estimated arrival time
- **RTA** shows the remaining time until arrival.

Street names in voice guidance⁶

Time of arrival format	Time of arrival format	TA 🔻
	Street names in voice guidance	e 🗹
	Turn-by-turn navigation	
	Automatic read out of traffic	
	Audio fadeout	
	Voice guidance	
	Speed camera warning	

Settings → Guidance options → Street names in voice guidance

Cursor on **Street names in voice guidance** + **OK** ticks/activates the function which means that voice guidance also reads out the names of streets and roads, in addition to the normal information on distance and direction.

Navigation with Turn-by-turn



Settings \rightarrow Guidance options \rightarrow Turn-byturn navigation

Cursor on **Turn-by-turn navigation + OK** ticks/activates the function, which means that the next manoeuvre in the itinerary, as well as the distance to it, is also shown in the combined instrument panel.

Automatic reading out of traffic



Settings → Guidance options → Automatic read out of traffic

Cursor on Automatic read out of traffic + OK ticks/activates the function which means that traffic disruptions on the route are automatically read out.



Automatic audio adaptation



Settings → Guidance options → Audio fadeout

Cursor on **Audio fadeout** + **OK** ticks/activates the function which means that e.g. audio from the radio is muted when voice guidance reads out information.

Voice guidance



Settings → Guidance options → Voice guidance

Cursor on **Voice guidance** + **OK** ticks/activates the function for reading out guidance.

See more information on page 31.

Safety camera



Settings → Guidance options → Speed camera warning

The driver is alerted by means of an acoustic signal and a symbol that a safety camera is approaching.

 Cursor on Speed camera warning + OK sets a tick in the box and activates the function - then go back out of the menu with EXIT.

i NOTE

The type of information permissible for inclusion on the map is stipulated in national legislation. For current information, see www.volvocars.com/navi.

i) NOTE

- Pay attention that the posted maximum permissible speed may sometimes be changed and accordingly deviate from the navigator's database.
- The driver always has the responsibility that the traffic and speed regulations in force are followed.

System information



Settings -> System information



Cursor on Settings \rightarrow System information + OK shows a small excerpt of the current status in the navigation system, e.g. current transmitter of traffic information, available system memory, operative map data as well as its version.

FAV button







* FAV

The numerical keypad's **FAV** button can be programmed with one of the following options + **OK**:

- No function
- Repeat voice guidance
- Cancel/Resume guidance
- Show/Hide full-screen map
- Show/Hide motorway information
- Start/Stop route recording

Cursor on required option + **OK** activates the function - then go back out of the menu with **EXIT**.

Importing/exporting stored locations



Settings → Import/export stored locations

The navigation system's stored locations can be copied across to a USB memory stick⁷. The map database can also be supplemented with POIs from other sources via a USB memory stick. The POI files must be in the "gpx" format.

⁷ For information about USB memory sticks, see the owner's manual for the car or the Sensus Infotainment supplement.



03 Planning your trip

Settings

i NOTE

- Adding POI files to the map database requires a certain amount of computer knowledge!
- File format for POI files and how the files are downloaded from the Internet are determined by the respective manufacturer/distributor. Consequently there is no standardised process for downloading POI files from the Internet - and for this reason this owner's manual does not show an exact stepby-step description.
- If you have any questions contact a Volvo dealer.







TRAFFIC INFORMATION





General

The navigation system continuously receives transmitted traffic information.



This symbol indicates that traffic information is available within the current reception area.



This symbol highlights the position of a traffic problem see information under the heading **"Traffic on map"** page 66.

i NOTE

Traffic information is not available in all areas/countries.

The traffic information transmission areas are constantly being expanded.

Opening traffic information

Repeat voice guidance	
Set destination	۲
Itinerary	•
Route	•
Traffic information	•
Cancel guidance	
Settings	•

Traffic information

Cursor on **Traffic information** + **OK** shows information about traffic disruptions - but how the information is shown differs, depending on whether or not an Itinerary is specified.

Without specified destination

Traffic information on map

	Traffic on map	N 1
	E (11)	
	E45 (4)	A COMPANY OF THE
4	(3)	
9	155 (7)	
	158 (2)	
	239 (2)	

Opens the scroll function on the map.

Traffic information → Traffic on map

Cursor on **Traffic on map** + **OK** enables the option to search for traffic problems with the scroll function - see the description under the heading "**Traffic on map**" on page 66.

All traffic



Traffic information within reception area.

Cursor on a road/street + **OK** opens the same function and menu as the following chapter "With specified destination", and the heading "All traffic" is shown, see page 65.

With specified destination

Listening to traffic along the route



Traffic information → Listen to traffic on route

Cursor on Listen to traffic on route + **OK** activates the reading out of current traffic messages along the itinerary's route.

All traffic

	oÉ
All traffic	►
Traffic on map	•

Traffic information → All traffic

Cursor on **All traffic** + **OK** lists all traffic messages within the reception area.



Traffic information within reception area.

Traffic information is first grouped according to country, then road number and street name.

Cursor on a road/street + **OK** gives specific traffic information for that road/street - see next figure:



Specific traffic information.

Traffic information for a specific road/street is listed according to the criterion of most seri-



ous disruption at the top, e.g. total stop in a lane.

Cursor on a traffic problem + **OK** shows further information and position on map - see next figure:



Traffic problem on map.

The map image is centred around the position of the traffic problem.

Traffic information on map

	ten to traffic on route	αĘ
A	li traffic	
	raffic on map	•
	105km one lane closed	
~ _	107km one lane closed	

Traffic information → Traffic on map

Cursor on **Traffic on map** + **OK** enables the option to search for traffic problems with the scroll function¹.



Use the scroll function to show information about a specific traffic problem.

- Scroll the crosshair to the traffic event/ symbol about which detailed information is required - a yellow frame illuminates around the symbol.
- Press OK after which, information is shown similar to that in the following figure:



Information about a traffic problem is tied to each respective symbol, and depending on the extent to which details are available the following may, for example, be shown:

- street name/road number
- country
- nature of the problem

 \wedge

04

- extent of the problem
- duration of the problem.

If there are several traffic problems within the crosshair frame then the one closest to the centre of the crosshair is shown first.

Figures such as "2/5" in the upper part of the screen mean that the information shown is number 2 of a total of 5 messages within the crosshair - remaining messages are browsed to using repeated short presses on **OK**.

• Return to map display with EXIT or NAV.

Extent



Traffic problem with its extent.

Certain traffic problems are not just tied to one single position, but can cover a longer section.

In addition to the symbol for the position of the traffic problem, the current distance is also highlighted with a row of crosses "xxxxx".

- The length of the highlighting corresponds to the extent (distance) of the traffic problem.
- Driving direction is indicated by the side of the road that is highlighted.

Size of area for traffic information

The scale of the map determines how great a quantity of traffic information can be shown - the larger the map area shown on the screen, the more traffic disruptions can be displayed.



SYMBOLS ON THE MAP



Points of Interest (POI)

"Point of interest" is also denominated as "facility" and "POI¹".



Specify which POI should be shown on the map by selecting **Default** (Default), **Selected** (Selected) or **None** (None), see also page 56.

Settings → Map options → POI symbols



Pre-ticked POIs are shown on the map.

Use the **Selected** (Selected) option to specify what should be shown.

Select/highlight POI with the TUNE knob

 tick/untick using OK and close with
EXIT.

To avoid making the map image difficult to read, the number of POIs that can be viewed simultaneously on the screen is limited - zooming into an area provides an opportunity to view several POIs.

(i) NOTE

- The symbol for a POI and the number of POIs may vary between different markets.
- Symbols may appear and others disappear in conjunction with updating the map data you can browse through all the POI symbols for the relevant map system in the menu system
 MY CAR underSettings
 Map options
 POI symbols.

Shown here are examples of symbols for different POIs - they are grouped here according to their function in society:



¹ POI - Point of interest.
Points of Interest (POI)

61	Tourist attraction
Å	Exercise facility
1 2	Cinema
	Amusement park
$\overline{\nabla}$	Bar
4	Nightclub
11	Restaurant
×	Restaurant
•>	Restaurant, Chinese
	Restaurant, seafood
2	Fastfood
<u>.</u>	Coffee shop
<u>ا</u>	Shopping Centre
ک	Dry cleaners

*	Kiosk
	Rest area
4	Camp site
 	Hotel
	Conference facility Exhibition grounds
Q	Train station
A	Commuter railway station
$\mathbf{\dot{+}}$	Airport
	Bus station
**	Ferry
	Marina
	Marina
俞	Civic building
	Authority
	University
	University

\odot	City centre
0	City centre
â	Police station
5	Fire station
Ũ	Library
÷	Hospital
ð:-	Pharmacy
\$	Bank
Ψ	ATM
\times	Post office
\$ }	Kindergatan
	School

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Copyright	78



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QUESTIONS AND ANSWERS



Frequently asked questions

The position of the car on the map is wrong

The Navigation system shows the position of the car to an accuracy of about 20 metres.

There is a greater chance of error when driving on roads lying parallel to another road, on winding roads, on roads on several levels and after driving a long distance without making any distinctive turns.

High mountains, buildings, tunnels, viaducts, over/underpasses etc. also have a negative affect on the reception of GPS signals, which means that accuracy in calculating the position of the car may decrease.

The system does not always calculate the fastest/shortest route

When calculating a route outline, distance, width of road, type of road, number of right or left turns, roundabouts etc. are all taken into account in order to produce the best theoretical route. A more efficient selection of route may be possible based on experience and knowledge of the area.

The system uses toll roads, motorways and ferries even though I chose to avoid them

For technical reasons, the system can only use major roads when calculating a route outline extending over a long distance. If you selected to avoid toll roads and motorways, then they are avoided to the greatest possible extent and are only used if there is no other reasonable alternative available.

The position of the car on the map is incorrect after transportation

If the car is transported, for example by ferry or train, or in such a way as to impede the reception of GPS signals, it can take up to 5 minutes before the position of the car is correctly calculated.

The position of the car on the map is incorrect after the car battery has been disconnected

If power has been cut from the GPS antenna, it can take more than 5 minutes for the GPS signals to be received correctly and the position of the car to be calculated.

The car symbol on screen behaves erratically after a tyre change

In addition to the GPS receiver, the car's speed sensor and a gyro assist in calculating the current position and direction of travel of the car. After fitting the spare wheel or changing between summer and winter tyres the system needs to "learn" the size of the new wheels.

In order for the system to work optimally it is recommended to turn the steering wheel to

full lock a few times while driving, in a suitable location.

The map image does not correspond with the real situation

Factors such as the constant expansion and rebuilding of the road network, new traffic regulations constantly being introduced etc. mean that the map database is not always complete.

Continuous development and updating of map data is underway - a Volvo dealer can provide more information.

See also www.volvocars.com/navi for further information on maps etc.

The scale of the map sometimes changes

There is no detailed map information in certain areas. The system then automatically changes the degree of magnification.

The car symbol on screen jumps forwards or spins

The system may need a few seconds to sense the position and movement of the car before driving off.

Switch off both the system and the engine. Start again, but remain stationary for a while before starting to drive.



I shall go on a long trip but do not want specify a particular route outline to the cities I plan to travel through - How do I most simply create an itinerary?

Specify the destination directly on the map using the scroll function's crosshair¹. The system automatically guides you to the final destination even though you are driving beside the intermediate destinations.

My map information is not up-to-date

Contact your nearest Volvo Dealer regarding the updating of map data.

See also www.volvocars.com/navi.

How can I easily check which map version is used?

See Settings -> System information for information on version and geographic area covered.

 $\widehat{2}$

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