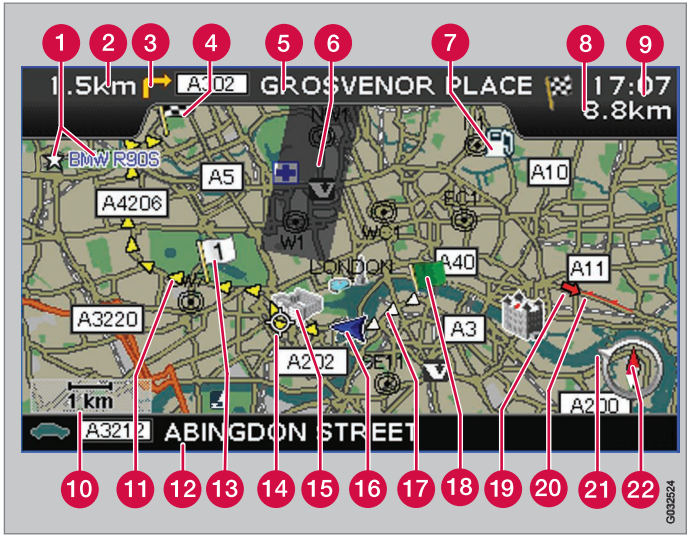
WEB EDITION

ROAD AND TRAFFIC INFORMATION – RTI



Road type	Colour
Motorway	Green
Primary road	Red
Smaller primary road	Dark grey
Ordinary road	Light grey

Text and symbols on screen

1. Stored location (any symbol and text)
2. Distance to next guidance point
3. Event at next guidance point
4. Itinerary destination
5. Name of next road/street
6. Excluded area for route
7. Facility (petrol station)
8. Estimated distance to destination
9. Estimated travel time to destination or estimated time of arrival (ETA)
10. Map scale
11. Planned route
12. Current road/street name
13. Planned route interim destinations
14. Next guidance point
15. Known landmark
16. Position of car
17. Completed planned route
18. Planned route start
19. Traffic information
20. Section covered by traffic information
21. Arrow on outer compass ring indicates direction to destination
22. Compass

ROAD AND TRAFFIC INFORMATION - RTI

Volvo's navigation system is a traffic information and road navigation system developed by Volvo. The system guides you to a destination and gives 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. The system 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 contributes to a better environment.

License agreement NAVTEQ DATABASE

For information for the end user - see page 74.



Table of contents

01 Get to know your navigation system

Manual..... 8
Before starting..... 9
Menus..... 11
Component location and functions XC90. 14
Controls..... 16
Keyboard..... 17
Display modes and voice messages..... 18
Main unit, updating, maintenance..... 20

02 Easy user mode

Menus..... 24
Menu tree..... 26
Set destination..... 27
Show/Delete destination..... 30
Settings..... 31

03 Advanced user mode

Menus..... 34
Menu tree..... 38
Set destination..... 40
Itinerary..... 45
Current position..... 48
Traffic information..... 49
Settings..... 50
Simulation..... 55

04 Traffic information

General..... 58
Avoiding traffic problems..... 59
Selecting information..... 61
Reading information..... 62
Transmitters..... 63

05 Symbols on the map

Landmarks and road numbers..... 66
Symbols for facilities..... 67

06 Questions and answers

Frequently asked questions..... 72
EULA - License agreement..... 74
Copyright..... 76

07 Alphabetical Index

Alphabetical Index..... 78

Manual..... 8
Before starting..... 9
Menus..... 11
Component location and functions XC90..... 14
Controls..... 16
Keyboard..... 17
Display modes and voice messages..... 18
Main unit, updating, maintenance..... 20

01

GET TO KNOW YOUR NAVIGATION SYSTEM



Manual

General information on the manual

The manual describes general functions for all markets, but market specific information may also be included.

Like the system, the manual is divided into **Easy** and **Advanced** user settings.

Menu options/Search paths

All options that can be selected on the display are marked in the 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

Special text

NOTE

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

Footnote

There is information in the manual that is added as a footnote at the bottom of the page or in direct association with a table. This information is a supplement to the text to which it refers via the footnote number.

Changes in the manual

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

We reserve the right to make modifications without prior notice.

© Volvo Car Corporation

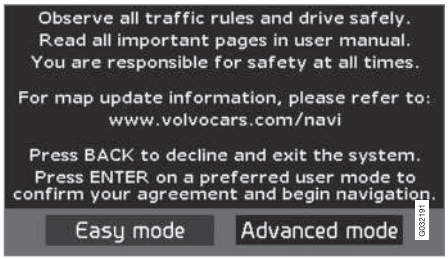
General

The navigation system can be used without a destination being selected. The map with the position of the car is shown on the screen and the car is shown with a blue triangle.

The system is updated continuously and could therefore contain functions not described in this manual.

The system content may vary slightly from country to country and some menu options are not available to all countries for technical reasons.

Startup



The system starts by displaying a screen where you have to confirm the text content by pressing **ENTER** after selecting **Easy** (**Easy mode**) or **Advanced** (**Advanced mode**).

Map position

After Startup, the Main menu is displayed briefly until the screen switches to Map mode. At this point, the current map covers the entire screen.

- Press **BACK** to activate the Main menu, see page 24.
- Press **ENTER** to activate the Quick menu, see page 24.

1. Press the **navigation button** to activate Scroll mode, in order to view parts of the map that are outside of the screen for example.
2. In this mode **ENTER** activates the Scroll menu, see page 24.

Settings

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

If a setting has been changed and the factory setting is required again then only the current function is affected.

There is no function that resets all settings simultaneously.

On/Off

On

The system is switched on automatically when the ignition key/starter knob[1] is turned to position **I** or **II**.

If the system has been switched off manually, it must also be switched on manually as follows:

1. The ignition key/starter knob must be in position **I** or **II** (see the instruction manual for the car).
2. Press **ENTER** or **BACK**.
3. The screen is activated.

The system may need a few seconds in order to detect the position and movement of the car.

Off

The system is switched off automatically when the ignition key is turned to position **0**.

The system can be switched off manually so that it does not start automatically the next time the ignition key is turned to position **I**, as follows:

1. Press **BACK** to reach the Main menu.

[1] Used instead of an ignition key in cars fitted with the Keyless system.

Before starting

2. Scroll to Shut down with the **navigation button**.
3. Press **ENTER**.
4. The screen is powered down.

NOTE

The system is also available with the engine switched off. For this reason, remember that frequent use of the navigation system with the engine switched off can drain the battery.

Simple/Advanced setting

When the navigation system starts up the required user settings are selected.

- Easy

Only the most important menus are available in this mode. Suitable for simply travelling from point A to B.

- Advanced

All settings and functions are available in this mode.

Switching between settings

It is possible to switch between Easy and Advanced settings under Settings.

Settings made in Easy mode do not transfer over to Advanced mode and vice versa, but instead are stored in each respective mode.

Refer to the following page to see which menus differ between the two options.

Demo (simulated guidance)

Specify a destination in order to obtain an overview of how guidance works. Guidance to the specified destination can be simulated when the car is stationary.

This function is available only in mode Advanced.

For more information on Demo, see page 55.

Menus

Menu options in two levels Simple mode

Set destination

- Address
- Facilities
- Last 20
- Point on map

Show destination

Delete destination

Settings

- Guiding voice
- Guiding volume
- Language
- Colour
- Map view
- User mode

Shut down

For information on all possible menu options in Simple mode, see page 26.

Menu options in two levels Advanced mode

Set destination

- Address
- Facilities
- Stored locations
- Last 20
- Return trip
- Point on map
- Latitude/longitude

Itinerary

- Start guidance
- Add to itinerary
- Route options
- Clear itinerary

Next destination

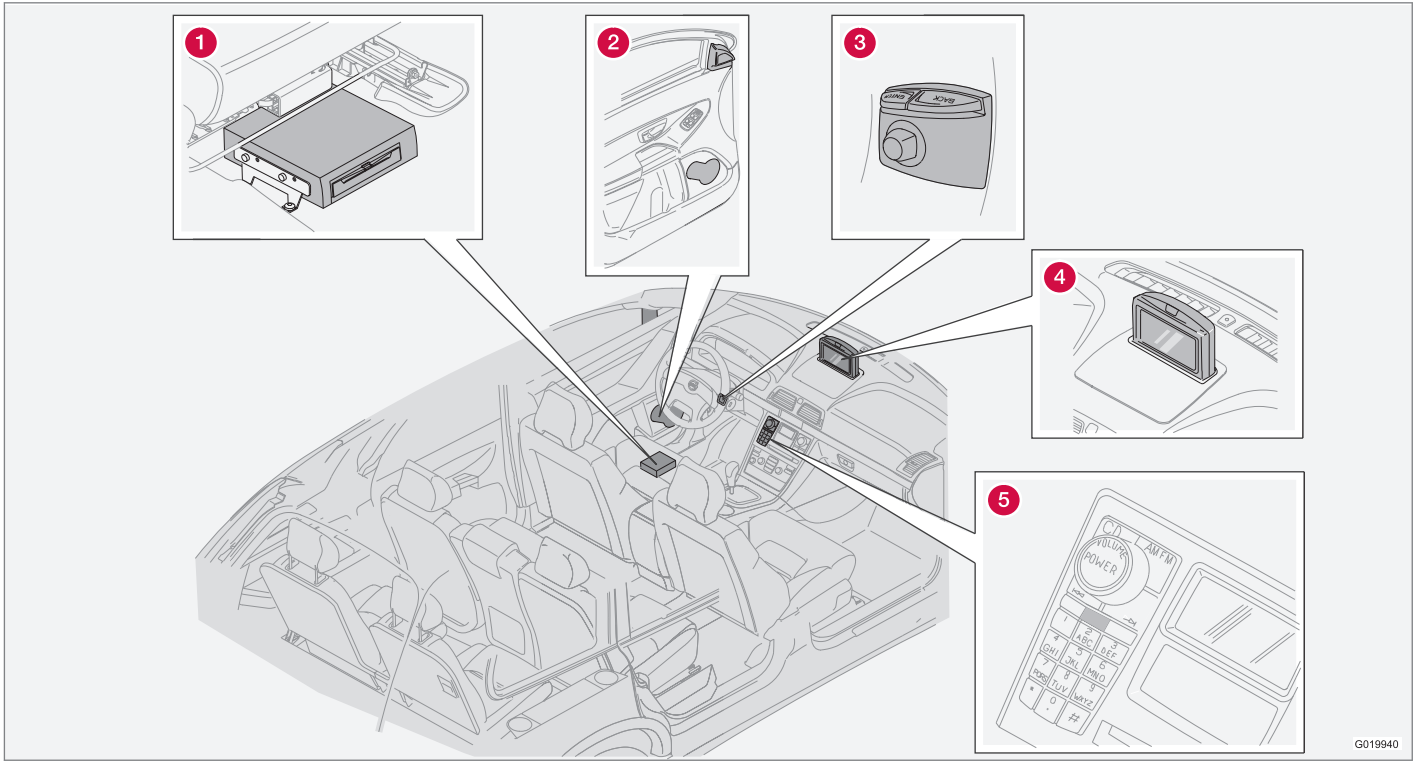
Menus

- → **Address**
- **Current position**
- **Settings**
- → **Traffic information**
- → **Route options**
- → **Map options**
- → **Guiding options**
- → **System options**
- → **Start demo**
- **Shut down**

For information on all possible menu options in Advanced mode, see page 38.

Menus

Component location and functions XC90



1 Main unit

The system is hard disk based. For more information, see page 20.

The main unit is fitted under the driver's seat and includes the following functions:

- Calculating the position of the car
- Calculating the route to the specified destination
- Handling traffic information
- Voice guidance
- Storing map data
- DVD player; for updating the map data and software.

NOTE

The main unit's DVD player is designed for Volvo's map discs.

The GPS and TMC receivers are integrated in 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

TMC (Traffic Message Channel) is a standardised coding system for traffic information. The receiver automatically searches for the correct frequency. Reception takes place via the FM antenna.

The coverage area of the system is under constant development which is why updates can sometimes be necessary, see page 20.

Irrespective of whether **Easy** or **Advanced** user settings are selected, traffic information transmitted is always received and presented. For more information, see page 58.

2 Speakers

Navigation system audio uses the front loudspeakers.

3 Keypad

The keypad is located on the right-hand rear side of the steering wheel. Use it to scroll between different menu options, to confirm selections or to move back in menus. For more information, see page 16.

4 Screen

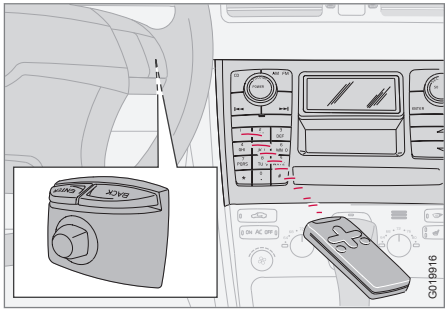
The screen displays maps and provides detailed information on route type, distance, menus etc. For screen care, see page 20.

5 IR receiver

The IR receiver for the remote control is located in the audio system's control panel. For more information, see page 16.

Controls

Keypad location and IR receiver



The navigation system is controlled with the steering wheel's keypad or the remote control.

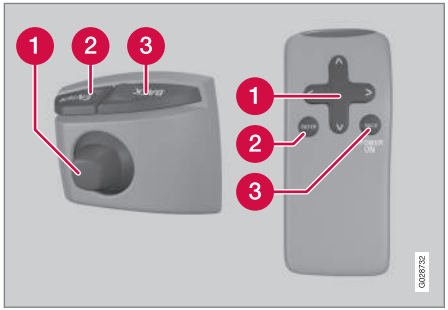
The keypad is located on the right-hand rear side of the steering wheel.

Aim the remote control towards the IR receiver located on the loudspeaker grille adjacent to the screen or in the audio system's control panel (XC90 only).

NOTE

The remote control contains AAA or R03 batteries. Try changing to new batteries first if the remote control does not work.

Keypad, steering wheel/remote control



The steering wheel keypad and the keypad on the remote control have the same functions. Use the keypad to scroll through different menu options, confirm selections or move back in menus.

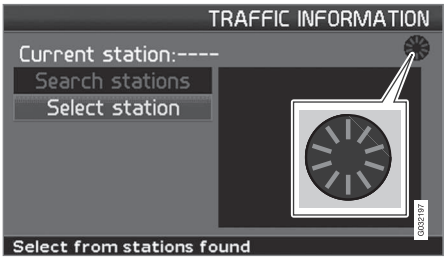
The design may vary for different models.

1 Navigation button
Scroll between different menu options using the **navigation button** –, the keypad's locating pin or the remote control's arrow keys <, ∧, > and ∨ –. The navigation button also moves the cursor (hairline cross) on the map.

2 ENTER
Confirms or activates selections.

3 BACK
Undoes the most recent selection or goes back in the menu structure.

"Do not disturb"



In some situations, the system requires a few extra seconds to make a calculation. A symbol is then displayed on screen.

NOTE

When the calculation symbol appears, the system is unable to accept any commands from the **navigation**, **ENTER** or **BACK** buttons.

Entering and selecting options



The keyboard is used in many places within the menus for entering specific information, e.g. type of facility, country, city, street address, street or post code.

1. Select the letters using the **navigation button** and press **ENTER**.
   > When there are no further alternatives the remaining letters in the name are entered automatically.

   The list at the bottom of the screen shows the first three possible alternatives matching the letter input.
2. It is also possible to scroll down using ∨ to directly access alternative names on the list.
3. Select the alternative and press **ENTER**.

The scroll bar on the right-hand side of the list shows that there are more alternatives in the list than those shown on the screen. The number (110) indicates the number of options.

1. Return to the character chart from the list of alternatives using **BACK**.
2. Delete the input letters entered one at a time using **BACK**.

General search

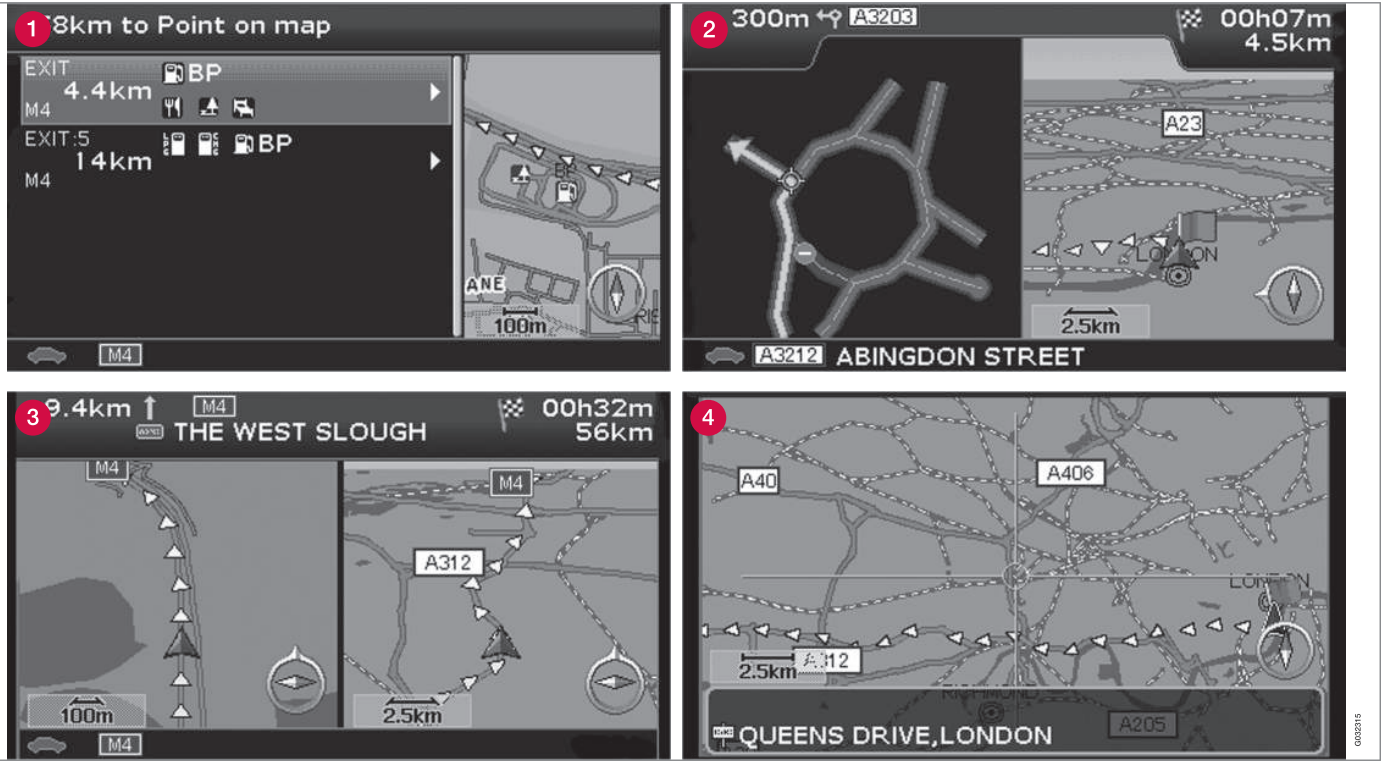
The search function is always available and always works in the same way irrespective of menu status when a location is entered.

If **ENTER** is pressed during an input then all reply combinations are shown for each respective alternative: City, street, facility etc.

For example, if a search is made for a name such as London Airport then all London combinations will be shown when **LO** is input. The more letters you input the more specific the reply.

A search for **LO** also provides reply alternatives such as Restaurant **Lo**u Trivalou for example, as alternatives containing several words separated by spaces are included in the search.

Display modes and voice messages



Different display mode appearances

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

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

1. Facilities along the motorway. This function is available even if a destination has not been entered. Only shown when driving on the section of motorway in question. Press **ENTER** on the symbol for Facilities on the far right on the Quick menu, see page 35.
2. Detailed junction map. The left-hand section of the screen enlarges the navigation at the next junction. (Alternative navigation options are only shown for major roads.) The situation is always supplemented by a voice message.
3. Two maps can be selected as display mode. The screen shows the same map image but in two different scales. Shown following **ENTER** on the symbol for Map/ Route outline in the Quick menu, see page 34.
4. Scroll mode, see page 24 and 36.

Voice messages

After a destination has been set, Guidance is activated and when a junction or exit is approaching the system generates a voice message stating distance and type of manoeuvre. At the same time a detailed map of the junction is displayed. The voice message is repeated closer to the junction.

Guidance with voice messages can be obtained at any moment using **ENTER** on the Quick menu's symbol for Guidance, see page 24 and 34.

NOTE

In some cases, e.g. for calls on the car phone, the voice message is replaced with a ping.

Toll roads

Some areas include toll roads. When a toll booth is approaching, a voice message indicates this.

A destination must be input in order to receive the message.

Compass



The map image can show the compass in two different ways:

- With the compass direction north always facing up.
- With the direction of travel always facing up.

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

The grey destination arrow in the outer ring of the compass points in the direction of the selected destination.

Go to **Settings** ➔ **Map options** ➔ **Map orientation** to select how the map direction is to be displayed and to **Compass** to select how the compass is to be displayed, see page 52.

Main unit, updating, maintenance

Contents in main unit

All map information is pre-installed on the main unit hard disk. There is no DVD disc in the unit at delivery. A DVD disc is not used until a map data update, refer to the package's instructions.

DVD discs with updated and additional information are issued regularly. Contact a Volvo dealer for the latest issue.

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

If you encounter any errors or other issues with your maps, we recommend that you contact map supplier NavTeq directly: see www.navteq.com.

NOTE

The main unit's DVD player is designed for Volvo's map discs.

Screen care

Clean the screen with a soft, lint-free rag, lightly moistened with clean water or mild window cleaning agent.

Care of DVD discs

Handle DVD discs with care. When they are not in use they must be stored in their packaging. Avoid storing them in damp, excess heat, direct sunlight or dusty surroundings.

Updating with DVD disc

NOTE

Make sure that the car's electricity supply is secure because an update can take up to about 2 hours.

If the DVD disc, apart from new map discs, contains new software then this part starts first.

The car can be driven while map information is being updated but the system cannot be used while the update is in progress.

1. Switch on the system.
2. Eject any DVD disc that is loaded in the unit.
3. Load the DVD update disc. If there are several discs then load them in numerical order.
4. The system now updates automatically. The information shown indicates progress achieved.
5. After the update the DVD disc with the latest update must remain in the unit. If there is more than one disc then disc no. 1 must be used. If the disc is removed from the main unit then the system ceases to function.

If the system is switched off while the update is in progress then it continues automatically next time the system is activated.

In some cases map information updates can add new functions to the system.

When the update is finished the start screen is displayed.

Interrupted update

If an update is interrupted then it can be resumed. During the subsequent start-up, select the **Resume map update** option in the Navigation menu.

The update then resumes, not from the start, but from where the system detects that the update was interrupted.

Menus..... 24
Menu tree..... 26
Set destination..... 27
Show/Delete destination..... 30
Settings..... 31

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02

EASY USER MODE



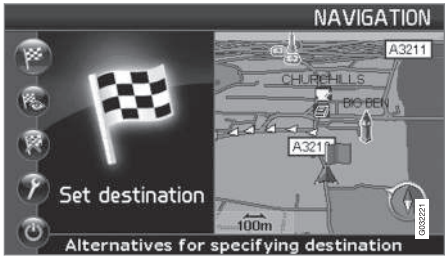
Menus

General

When the navigation system starts up the required user settings are selected **Easy**.

In **Easy** mode, only the most important menus containing the most common functions are accessible.

Main menu



The main menu is at the top of the menu tree and can be reached by pressing the **BACK** key several times.

It is possible to switch from **Easy** to **Advanced** user settings in the main menu under: **Settings** ➔ **System options** ➔ **User mode**.

Quick menu



The most common functions are collected together in the Quick menu, which makes them easier to access while driving.

1. Press **ENTER** in Map mode.
2. Select a symbol using ◀ or ▶.

Most system settings can be made under **Settings** in the Main menu while others can only be accessed via the Quick menu.

– Map scale

A menu containing two options is displayed.

Pressing **ENTER** on the options (+) or (-) changes the map scale in various stages, from 50 metres up to 100 km, to give you a greater perspective or allow you to see more details. Stepless changing is possible if you hold down **ENTER** - release the button when the scale is suitable.

– Guidance

Pressing **ENTER** provides current voice guidance.

Traffic information[1]

Irrespective of whether **Easy** or **Advanced** user settings are selected, traffic information transmitted is always received and presented. For more information, see page 49 or 58.

Scroll menu



Map scroll

In Scroll mode, a hairline cross is manoeuvred over the map image.

– Activate Scroll mode (Scroll menu) by scrolling with the **navigation button**.

The longer you hold down the button, the faster the hairline cross moves across the map.

[1] Does not apply to all areas/countries.

Menus

Menu

– Press **ENTER** in Map scroll mode to view the Scroll menu.

Scale

Changes the size of the map image to provide a larger perspective or more detail.

Pressing **ENTER** on the options (+) or (-) changes the map scale in various stages, from 50 metres up to 100 km.

Stepless changing is possible if you hold down **ENTER** - release the button when the scale is suitable.

Set as destination (Set as destination)

Selects the location marked by the hairline cross as a destination by pressing **ENTER**. Guidance starts immediately.

Menu tree

Menu options

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

Set destination	page 27
➔ **Address** Country City Street No. Intersection	page 27
➔ **Facilities** Country City Type Name	page 28
➔ **Last 20**	page 28
➔ **Point on map**	page 29
Show destination	page 30
Delete destination	page 30
Settings	page 31
➔ **Guiding voice** Female/Male	page 31
➔ **Guiding volume** Off/1/2/3/4/5	page 31
➔ **Language**	page 31
➔ **Map & menu colour** Black/Chrome/ Blue/Dark	page 31
➔ **Map view** 2D/3D	page 31
➔ **Distance unit** km/Statute mile	page 31
➔ **User mode** Simple/Advanced	page 31
Shut down	page 9

Address



Set destination ➔ Address



Enter street address

The system places the cursor on **Street** (**Street**) first. The last **Country** (**Country**) selected is preselected.

If not:

1. Scroll to **Country** (**Country**) and/or **City** (**City**) and press **ENTER**.
2. Or choose from the latest options selected by pressing ➔.

(For information on how the keyboard is used, see page 17.)

NOTE

The system starts with **Street** in order to avoid misunderstanding when two nearby cities/localities have grown together.

Alternatives 1

– Select **Street** (**Street**) without selecting a city.

If the street appears in several cities, a list will be displayed offering you alternatives to choose from. The system guides you to the middle of the street selected.

Alternatives 2

1. Start by selecting **City**
2. Then select **Street**.

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.

No street addresses have been entered in the system for small locations. It is always possible to choose the centre of the place as a destination.

Specify street number

If the selected address has a street number, this can be entered in order to specify the destination more precisely.

1. Scroll to the line for **Number** after entering the street address, then press **ENTER**.
   > Alternative street numbers are displayed.
2. Enter the required street number.
3. Scroll to **Select** and press **ENTER**.
   > The address selected appears in the itinerary.
4. The cursor appears on Start - press ENTER again.
   > Route indication starts.

Set destination

Alternatively:

– Scroll to **Start** and press **ENTER**.
  > Route indication starts immediately.

If the street number is not specified then the system guides to the middle of the selected street.

Select
Confirms input number.

Cancel
Go back to previous screen.

Enter a junction

Start guidance

– Scroll to **Start guidance** to start the guidance.

Search by post code

Set destination ➔ Address ➔ City

Instead of searching in a city, you can choose to search within a postcode area.

1. Select **City** and press **ENTER**.
2. Scroll to **Post code** and press **ENTER**.
3. Select digits and press **ENTER**, or select from the list of alternatives.
4. Scroll to **Street** to choose from addresses with the selected postcode, then press **ENTER**.
5. Scroll to **Start guidance** for guidance to the destination.

NOTE

This also applies when searching for facilities.

Search by facilities



Set destination ➔ Facilities



Facilities is a collective name for petrol stations, hotels, restaurants, Volvo dealers, hospitals, car parks etc.

– Press **ENTER** to access a submenu with different search options in order to set a facility.

Country (Country)
– Enter and select country and press **ENTER**.

City (City)
– Enter and select city and press **ENTER**.

Type (Type)
– Enter and select type of facility and press **ENTER**.

Name (Name)
– Enter the name of a facility, or select from among the alternatives in the menu.

The list only displays the facilities in the selected city/selected area.

Select from among the last 20

Set destination ➔ Last 20

A list of the twenty most recent destinations is displayed.

– Scroll to the desired destination using > or **ENTER** to access the submenu.

Set as destination
Adds the destination to the itinerary.

Delete location
Deletes the location from the list **Last 20**.

Location on map

Set destination ➔ Location on map

1. Use the **navigation button** to move the hairline cross to the required destination and press **ENTER** to access the Scroll menu, see page 24.
2. Scroll to **Set as destination** and press **ENTER**.

NOTE

It is also possible to search for a location on the map directly with the crosshair by using the **navigation button** in Map mode.

Show/Delete destination

Show destination on map

Show destination

– Press **ENTER** to obtain a map overview of the area you set as final destination.

Delete destination

Remove destination

1. Press **ENTER** to reach the destination to be deleted.
2. Press **ENTER** again to delete the destination.

Guiding voice

Settings ➔ Guiding voice

Set female or male guiding voice[1].

Guiding volume

Settings ➔ Guiding volume

Select the volume of voice messages, or switch them off completely.

Language

Settings ➔ Language

Set language for menus, text and voice messages.

Colour

Settings ➔ Colour

There are four screen display settings - select the one that suits you best.

Map view

Settings ➔ Map view

The map can be displayed in **2D** (from directly above) or **3D** (obliquely from above).

Distance Unit

Settings ➔ Distance Unit

Select whether distance should be shown in **km** or **UK-mile**.

User mode

Settings ➔ User mode

Switch between **Easy** and **Advanced** user settings.

[1] Not applicable to the Netherlands. Instead there is the choice of language between **Nederlands** and **Belgisch**.

Menus..... 34
Menu tree..... 38
Set destination..... 40
Itinerary..... 45
Current position..... 48
Traffic information..... 49
Settings..... 50
Simulation..... 55

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03

ADVANCED USER MODE



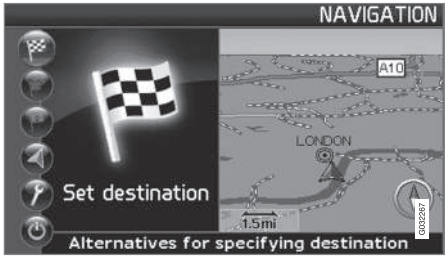
Menus

General

When the navigation system starts up the required user settings are selected **Advanced**.

Access to all of the navigation system's settings and functions is available in the **Advanced** mode.

Main menu



The main menu is at the top of the menu tree and can be reached by pressing the **BACK** button one or more times.

It is possible to switch from **Advanced** to **Easy** user settings in the main menu under:

Settings ➔ System options ➔ User mode

Quick menu



The most common functions are collected together in the Quick menu, which makes them easier to access while driving.

1. Press **ENTER** in Map mode.
2. Select a symbol using < or >.

Most system settings can be made under **Settings** in the Main menu while others can only be accessed via the Quick menu.

Fast storage of current location

You can save the location of your car to the map at any one time at the touch of a button.

- Press **ENTER** - hold down the button until the display changes.

Your location will then be stored, as indicated by this symbol. Information linked with the position is adjusted via **Stored location ➔ Edit**, see page 43.

- Route outline/Scale

A menu containing four options is displayed.

Pressing **ENTER** on the option at the top displays a map showing the remaining route outline[1] from the current position to the destination.

Pressing **ENTER** on the second option displays a map showing the entire route outline[1] from start to destination.

Pressing **ENTER** on the options (+) or (-) changes the map scale in various stages, from 50 metres up to 100 km, to give you a greater perspective or allow you to see more details.

Stepless changing is possible if you hold down **ENTER** - release the button when the scale is suitable.

If you opt to display two maps, the map scale symbol appears at either end of the Quick menu so that you can adjust the relevant scale individually.

– Guidance

Pressing **ENTER** provides current voice guidance.

– Map/Route outline

Route outline

Pressing **ENTER** displays a list of approaching waypoints. The distance between way-

[1] A route must be selected.

points and type of manoeuvre are displayed in addition to the road name.

One map/Two maps
Pressing **ENTER** displays one large or two smaller map images of the current area. Different scales may be input for the respective maps.

Surveillance[2]
Allows you to save map views of three different monitoring areas, e.g. roads with high traffic densities that are often subject to traffic problems.

Select **Surveillan.1**, **2** or **3**. To view previously set surveillances, see page 36.

 **– Diversion**
Displays a menu with **Avoid** and the options **1-5-10-20-40-80 km**.

Avoid streets/roads
This function deselects streets or roads from an itinerary set up so that you do not have to drive through a known roadworks area, for example.

1. Select **Avoid** in the Diversion menu and press **ENTER**. A list of streets/roads included in the route outline is shown.
2. Scroll to the street/road to be avoided and press **ENTER**.
3. If several streets/roads are to be avoided, start by scrolling using **V** to the first street/road in the group to be avoided, then press **ENTER**. Then scroll to the last street/road in the group to be avoided and press **ENTER**.

The system then calculates, as far as possible, a new route outline which leads back to the original route outline only once the specified stretches have been avoided and passed.

Avoid stretch within 1-80 km
This function deselects an entire area in the original itinerary so that you do not have to drive through a densely populated area in rush hour, for example.

– Select an option from the diversion menu **1-80** km and press **ENTER**.

The system then calculates, as far as possible, a new route outline which leads back to the original route outline only once the specified area has been avoided and passed.

It is also possible to avoid an area by marking a square area directly on the map, see **Avoid specified areas** under

Settings ➔ Route options

on page 50.

 **– Traffic information**[3]
Displays a menu containing different options for viewing information on traffic problems within the area displayed on screen.

A change in the scale affects the number of messages shown, see page 62.

Read message
Pressing **ENTER** allows you to scroll through the traffic messages displayed on screen.

Show all
Pressing **ENTER** displays all messages.

Hide all
Pressing **ENTER** hides all messages.

Show selected
Pressing **ENTER** allows you to select the type of traffic messages to be displayed in the map.

Irrespective of whether **Easy** or **Advanced** user settings are selected, traffic information

2 Only in areas that can receive traffic information.
3 Does not apply to all areas/countries.

Menus

transmitted is always received and presented. For more information, see page 58.

– Facilities

Displays a menu containing various options for searching for a facility.

Around the car

Pressing **ENTER** allows you to search around the car. See page 41

Along the route

Pressing **ENTER** allows you to search along the route. See page 41

Along the motorway

Pressing **ENTER** allows you to search for rest areas, petrol stations and restaurants that are readily accessible along the motorway.

If a calculated route extends over several motorways then the system only searches along the section of motorway currently being used.

Scroll menu

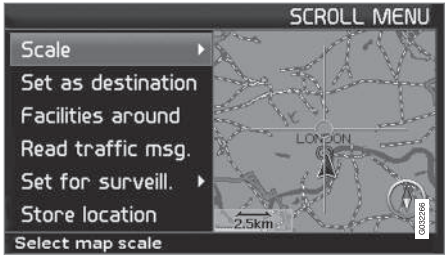
Map scroll

In Scroll mode, a hairline cross is manoeuvred over the map image.

– Activate Scroll mode (Scroll menu) by scrolling with the **navigation button**.

The longer you hold down the button, the faster the hairline cross moves across the map.

Menu



– Press **ENTER** in Map scroll mode to view the Scroll menu.

Scale

Changes the size of the map image to provide a larger perspective or more detail.

- Pressing **ENTER** on the options (+) or (-) changes the map scale in various stages, from 50 metres up to 100 km.
- Stepless changing is possible if you hold down **ENTER** - release the button when the scale is suitable.

Set as destination (Set as destination)

Selects the location marked by the hairline cross as the destination.

- Press **ENTER**. Guidance starts immediately.

Facilities around (Facilities around)

A menu is displayed.

- Choose between the **Last 5** and **All types** to search for facilities within the local area.

Read traffic msg. (Read traffic msg.)

Searches for current traffic messages within the area.

Surveillance (Set for surveill.)[3]

Pressing **ENTER** displays a menu containing various options.

- Select between **Surveillance 1**, **2** or **3** and press **ENTER** to store a map view you want to save as a surveillance area, e.g. heavily trafficked roads that are often subject to traffic problems.

[3] Does not apply to all areas/countries.

Activating the map

Selects map options in the Quick menu.

- Select required surveillance.

Store location (Store location)

Saves a selected location, which then appears under:

Set destination ➔ Stored locations

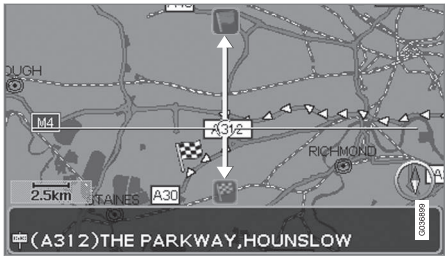
Follow route in itinerary

To be able to easily follow a set route in the itinerary, there is a built-in "magnet function" where - regardless of how the route outline turns and changes compass direction - the hairline cross follows the route outline automatically by simply holding down a button.

One of the lines on the hairline cross indicates which button is to be selected - it appears "fatter" than the other one.



The route outline is followed automatically using button ❮ or ❯.



The route outline is followed automatically using button ∧ or ∨.

If no "magnet function" is required, the "fat" hairline cross line disappears when you scroll the hairline cross a few millimetres off the selected itinerary. The scroll function then returns to normal.

Menu tree

Menu options

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

Set destination	page 40
➔ **Address** Country City Street No. Intersection	page 40
➔ **Facilities** Facility by name Around the car Along the route Around point on map Along a street	page 28
➔ **Stored locations** Add to itinerary/Information/Sorting/Delete location	page 42
➔ **Last 20** Add to itinerary/Information/Delete location/Del. all	page 43
➔ **Return trip** View Itinerary	page 43
➔ **Point on map**	page 43
➔ **Latitude/longitude**	page 44
Itinerary	page 45
➔ **Start guidance**	page 40
➔ **Add to itinerary** View Address under Set destination	page 45
➔ **Route options** View Route options under Settings	page 50
➔ **Clear itinerary**	page 45
Next destination	page 40
➔ **Address** View Address under Set destination	page 40
Current position	page 48
Settings	page 49
➔ **Traffic information** Dynamic route guidance Traffic-info. selection Search stations Reset to default	page 49

Menu tree

➔ **Route options** Route Avoid motorways/toll roads/ferries/car trains/ traffic problems/time-restr. roads/specified areas Reset to default	page 50
➔ **Map options** Facility selection Map Right map view Left map view Compass Current location Reset to default	page 51
➔ **Guiding options** Time/dist. to go Facility warning Charge area warning Reset to default	page 52
➔ **System options** Guiding voice Guiding volume Language Menu colour Map colour Screen saver Help Distance unit User mode Date & time info GPS information About Reset to default	page 53
➔ **Start demo**	page 55
Shut down	page 9

Set destination

Address



Set destination ➔ Address



Enter street address
The system places the cursor on **Street** (**Street**) first. The last **Country** (**Country**) selected is preselected.

If not:

1. Scroll to **Country** (**Country**) and/or **City** (**City**) and press **ENTER**.
2. Or choose from the latest options selected by pressing ➔.

(For information on how the keyboard is used, see page 17.)

NOTE

The system starts with **Street** in order to avoid misunderstanding when two nearby cities/localities have grown together.

Alternatives 1

– Select **Street** (**Street**) without selecting a city.

If the street appears in several cities, a list will be displayed offering you alternatives to choose from. The system guides you to the middle of the street selected.

Alternatives 2

1. Start by selecting **City**.
2. Then select **Street**.

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.

No street addresses have been entered in the system for small locations. It is always possible to choose the centre of the place as a destination.

Specify street number
If the selected address has a street number, this can be entered in order to specify the destination more precisely.

– Scroll to the line for **Number** after entering the street address, then press **ENTER**.

If the street number is not specified then the system guides to the middle of the selected street.

Alternatively:

1. Enter the required street number.
   > Alternative street numbers are displayed.
2. Scroll to **Select** and press **ENTER**.

Cancel
Go back to previous screen.

Enter a junction

– Scroll to **Intersection** (**Junction**) and select a street which intersects the street selected.

Start guidance

1. Scroll to **Start guidance** to start the guidance.
2. Scroll to **Select** to add the input address to the itinerary.

Information

Provides information about the destination.

Search by post code



Set destination ➔ Address ➔ City

Instead of searching in a city, you can choose to search within a postcode area.

1. Select **City** and press **ENTER**.
2. Scroll to **Post code** and press **ENTER**.
3. Select digits and press **ENTER**, or select from the list of alternatives.
4. Scroll to **Street** to choose from addresses with the selected postcode, then press **ENTER**.
5. Scroll to **Start guidance** for guidance to the destination.

NOTE

This also applies when searching for facilities.

Search by facilities

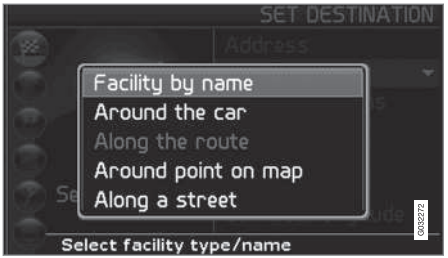


Set destination ➔ Facilities

Facilities is a collective name for petrol stations, hotels, restaurants, Volvo dealers, hospitals, car parks etc.

– Press **ENTER** to access a submenu with various search options for specifying facilities.

Facility by name (Facility by name)



– Enter the name of a facility, or choose from the alternatives in the menu.

The list only displays the facilities in the selected city/area.

Around the car (Around the car)

Search **Last 5** or **All types**.

The system searches for facilities around the car (max. 100 km radius). The search is stopped after 40 facilities have been found.

Along the route (Along the route)

Search **Last 5** or **All types**.

Set destination

When a destination has been specified, the system can search for facilities in an area along the route (within 1 km of the route).

Around point on map (Around point on map)
The system searches in the same way as **Around the car**, but around a chosen point on the map.

1. Move the crosshairs on the map using the **navigation button**.
2. Press **ENTER**to access the Scroll menu.

Along a street (Along a street)
The system searches along a specified street.

NOTE

It is also possible to search for facilities around the car, along the route, or along a motorway via the Quick menu, see page 24.

Facility types/Different categories

Set destination ➔ Facilities ➔ Facility by name

The system places the cursor on **Type** first. The last **Country** selected is preselected.

If not:

1. Scroll to **Country** and/or **City** and press **ENTER**.

   Or choose from the latest options selected by pressing ➔.
2. Scroll to **Name** and press **ENTER** to enter a facility name without specifying a city.
3. Scroll to **Select** and press **ENTER**.
4. Then scroll to **Start guidance** and press **ENTER** for guidance to the destination.

NOTE

To refine the search, select City first and then scroll to Name.

There are sub-categories for e.g. restaurants to simplify searching.

Information on facility

Information shows the address, coordinates and - in some cases - telephone number of the facility. If the car is equipped with built-in phone then the function **Call** is also activated.

Call
The telephone dials the number specified.

Map
Displays the location of the facility on the map.

Other facilities
Airports, for example, often have restaurants, petrol stations, etc. directly next to the airport.

Instead of searching on Restaurants in the main menu, you can select Restaurants directly for the Airport selected.

Avoiding alternatives off-airport simplifies your search and makes it faster.

Stored locations

Set destination ➔ Stored locations

Stored location is a destination saved previously, e.g. home address, favourite restaurant, airport, Volvo dealer. Information on how to store a location, see page 46.

– Scroll between the stored locations and press ➔ or **ENTER** to access the submenu.

Add to itinerary
Adds the stored location to the itinerary.

Information
Provides information about the stored location.

Edit
Change name, add sound, etc. for a stored location. See under the following heading, Add information on stored location.

Sorting
Sort stored locations according to icon or name.

Delete location
Deletes a stored location.

Delete all
Deletes all stored locations.

Move the position of a stored location

1. Select **Edit**, scroll with > to **Adjust** and press **ENTER** in order to specify a new position on the map for the stored location.
2. Move the crosshairs to the new position using the **navigation button**, then press **ENTER**.
3. Then select **Store location** and press **ENTER** to save the location.

Add information on stored location

– Select **Edit,**, scroll with > to **Add info.** and press **ENTER** to add further information on the stored location.

Every stored location can be provided with the following information:

- Alarm On/Off (...to notify the driver of his/her approach to the location)
- Icon
- Name
- Address
- City
- Country
- Tel.
- E-mail
- URL

Choose from the last 20

Set destination ➔ Last 20

A list of the twenty most recent destinations is displayed.

– Scroll to the desired destination using > or **ENTER** to access the submenu.

Add to itinerary
Adds the destination to the itinerary.

Information
Provides information about the destination.

Delete location
Deletes the location from the list **Last 20**.

Delete all
Deletes all addresses from the list **Last 20**.

Return trip

Set destination ➔ Return trip

– Select **Start guidance** and press **ENTER**.

The system then starts guidance back to the location where **Start guidance** was last selected.

Search via point on map

Set destination ➔ Location on map

1. Use the **navigation button** to move the crosshairs to the required destination, then press **ENTER** to access the Scroll menu.
2. Select **Set as destination**, see page 36.

Set destination

NOTE

It is also possible to search for a location on the map directly with the crosshair by using the **navigation button** in Map mode.

Search via latitude/longitude

Set destination ➔ Latitude/longitude

1. Select a destination by entering the coordinates for the destination.
2. Enter a latitude using the **navigation button**: select N for north or S for south.

NOTE

London is at longitude 0 (zero). Points west of London's longitude are indicated by W (West) and points east of it are indicated by E (East).

3. Scroll to the next line and specify longitude: select E for easterly or W for westerly.

   Press OK

   > Shows the location of the specified coordinates on the map.
4. Press **ENTER** to reach the Scroll menu.
5. Scroll to Set as destination and press **ENTER** to select the location as a destination.
6. Press **BACK** to return to coordinate input.

Cancel
Return to previous screen.

Create an itinerary

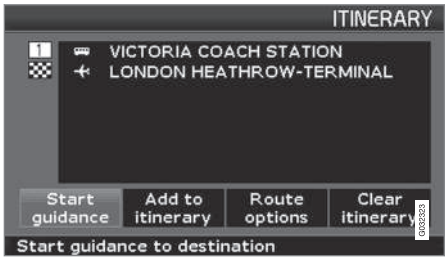


Destination/intermediate destination

The menu option **Itinerary** (**Itinerary**)can be accessed only when you have input an itinerary.

Create an itinerary with several waypoints to avoid entering destination after destination during your trip. One final destination with up to six waypoints can be specified in an itinerary.

Start guidance (Start guidance)



Itinerary

Starts guidance to the destination.

Add to itinerary (Add to itinerary)
Additional waypoints are added to the itinerary here, see page 40.

Route options (Route options)
Route prioritising options, see page 50.

Clear itinerary (Clear itinerary)
Deletes the whole itinerary.

Itinerary layout



Itinerary

– Select an input destination and press **ENTER** or > to access the submenu.

Information (Information)
Provides information about the destination.

Delete (Delete)
Deletes the destination from the itinerary.

Move (Move)
Changes the location of the destination in the itinerary.

Adjust (Adjust)
Changes the location of the destination on the map.

Store (Store)
Saves the destination that will be available under **Stored locations**.

Itinerary

Delete from itinerary

Itinerary

Delete the whole itinerary

All waypoints and the final destination are deleted.

– Scroll directly to **Clear itinerary** and press **ENTER**.

Delete intermediate destination in the itinerary

1. Select one of the input intermediate destinations and press **ENTER** or > to access the submenu.
2. Scroll to **Delete** and press **ENTER**.

NOTE

Passed waypoints are automatically deleted from the itinerary.

Store for re-use

Up to 250 destinations can be stored for re-use in different itineraries.

An acoustic signal that alerts the driver to the fact that the stored location is approaching, plus other information can be linked to the stored location, see page 43 - Add information on stored location.

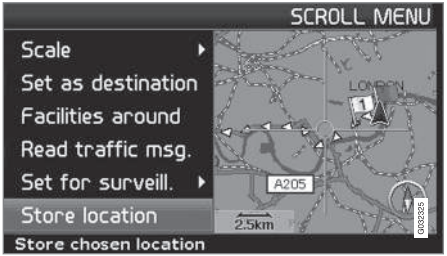


Itinerary

Save a location from the itinerary

1. Use the **navigation button** to step through to the destination you want to store, then press **ENTER** or > to access the submenu.
2. Select **Store** and press **ENTER**.
3. Use the **navigation button** to select a symbol to be displayed on the map, then press **ENTER**.
4. Enter the required name.
5. Scroll to **Store Store**and press **ENTER**.

Save a location on the map

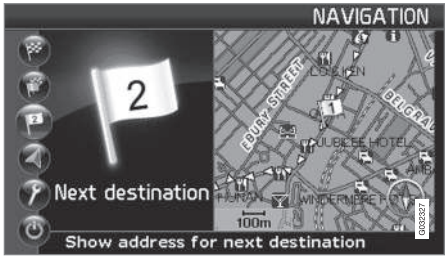


Scroll menu

1. In Scroll mode, use the **navigation button** to step through to the point to be stored, then press **ENTER**.
2. Select **Store location Sore location** from the Scroll menu, then press **ENTER**.
3. Use the **navigation button** to select a symbol to be displayed on the map, then press **ENTER**.
4. Enter the required name.
5. Scroll to **Store** and press **ENTER**.

A current location can also be stored quickly while driving, for example, at the touch of a button, see page 34 - Fast storage of current location.

Next destination in itinerary



Next destination

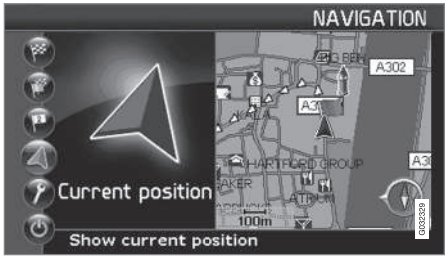


The map image shows the next destination.

1. Press **ENTER** or > to view information on the destination such as the name, time to destination or distance from current position to destination.
2. Press **ENTER** if several destinations are presented in order to view information and see them on the map.
3. Step through to **MapMap** and press **ENTER** to view the map of the area.

Current position

Current position



Current position



The map image shows the car's position.

– Press **ENTER** or > to obtain information on the location, such as name and coordinates for example.

GPS

Specifies the number of satellites the system is in contact with.

Traffic information



Settings ➔ Traffic information

Irrespective of whether **Easy** or **Advanced** user settings are selected, traffic information transmitted is always received and presented. For more information, see page 58.

NOTE

Traffic information is not available in all areas/countries.

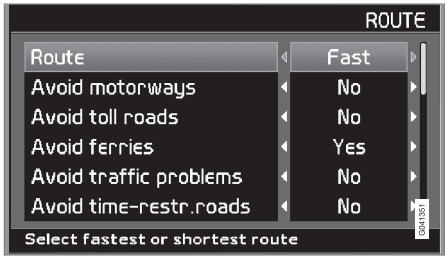
Settings

Route options



Settings ➔ Route options

1. Scroll between the functions, select the required setting and press **ENTER** to save the settings.
2. Press **BACK** to cancel.



Route

Select a fast, short or simple route when calculating a route.

- **Fast**: As far as possible the system prioritises major roads with high speed limits.
- **Short**: As far as possible the system prioritises the nearest road.
- **Easy**: As far as possible the system prioritises roads that do not involve complicated manoeuvres and junctions.

NOTE

When calculating a route, the system as far as possible takes consideration of the alternatives the driver has chosen to avoid. However, an exception is made if no reasonable alternative is available.

Avoid motorways

Indicate whether motorways are to be avoided when calculating a route.

Avoid toll roads

Indicate whether toll roads are to be avoided when calculating a route.

Avoid ferries

Indicate whether car ferries are to be avoided when calculating a route.

Avoid car train

Indicate whether car trains are to be avoided when calculating a route.

Avoid traffic problems

Indicate whether the system should give consideration to traffic problems when calculating a route.

Avoid time-restr. roads

- Select **Yes** if you want the system to completely avoid time-restricted roads when calculating a route.
- Select **No** if the system is to give consideration to time-restricted roads when calculating a route.

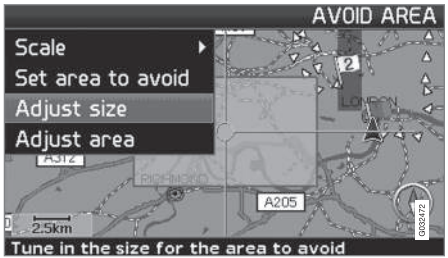
The system uses the time in the car's clock to determine whether a road should be avoided.

NOTE

If a time zone boundary is crossed then the car's clock must be adjusted.

Avoid specified areas

The function is for avoiding being guided through special areas, cities or districts. The system ignores the selected areas when calculating the route outline. The exception is motorways which are used for calculating even in an area selected to be avoided.



Settings ➔ Route options ➔ Avoid specified areas ➔ Selected

Select the area that the itinerary should avoid by directly selecting on the map with a square field.

1. Call up the map by clicking with ➢ on **Selected**, click with ➢ on **Map** and then **ENTER** on one of the options in the list displayed.
   > Scroll to the required area with the marker field, then press **ENTER**.
2. To change the size: Select **Adjust size** (**Adjust size**) and press **ENTER**.
   > Change the shape of the marker field using the **navigation button** so that it covers the area to be avoided, then press **ENTER**.

   In the same way, the marker field mode can be changed under **Adjust area** (**Adjust area**).
3. Select **Set area to avoid** and press **ENTER**.
   > The selected area is saved to a list in which a number of areas can be stored and activated when required.
4. Agree to avoidance of the area with **ENTER** on **OK** and a cross in the list.
   > The system will then, as far as possible, avoid this area in the itinerary.

The areas stored in the list can be adjusted in terms of size and geographical location under **Edit**, and they can be deleted permanently from the list with **Delete**. A number of activated areas can be deactivated simultaneously using the **None** option.

Reset to default

Restore factory settings for Route options.

– Press ➢, select **OK** and press **ENTER**.

Map options



Settings ➔ Map options

Select here what facilities are to be displayed in the map and how the map is to appear on screen.

1. Select a function to be adjusted using the **navigation button.**
2. Press **ENTER** to open the function.

Facility selection

Press ➢ to access the submenu's options.

- **Show all**: All facilities symbols are shown on the map image.
- **Hide all**: No symbols are shown.
- **Show selected**: Press ➢ to view all symbols which can be shown on the map image. Then select symbols as follows:

Settings



1. Scroll through the symbols by pressing ∧ or ∨.
2. Activate the required symbols with a cross with < or >.
3. Press **ENTER** to save.

Map

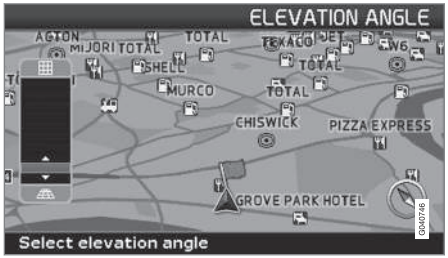
Choose between the options **Show** and **Hide**.

If the map is hidden, the system guides with an arrow.

Right map view

Select whether the map is to be displayed in 2D (from directly above) or 3D (obliquely from above).

- With the **3D** option, the heading is always upwards on the screen.
- With the **2D Heading** option, 2D is shown with the heading upwards on the screen and the **2D North** option provides 2D with compass direction North always upwards.



Selection of elevation angle.

Settings ➔ Map options ➔ Map view ➔ 3D

After the selection of **3D** with > or < and **ENTER** the control for the elevation angle is displayed. Select the desired angle with ∧ or ∨ followed by **ENTER** and **BACK**.

Left map view

See the description in the previous section.

NOTE

If 3D is selected for the map on the right, the map on the left can only display 2D.

Compass

Choose whether the compass is to be displayed on the screen.

Current location

Indicate whether the name of the street/road on which the car is currently driving should be shown at the bottom of the screen.

Reset to default

Restore factory settings for Map options.

– Press >, select **OK** and press **ENTER**.

Guiding options

Settings ➔ Guiding options

Time/dist. to go

Select one of the alternatives **RTA**/**ETA**/**Hide**.

- **RTA** (Remaining Time to Arrival): Remaining time to arrival.
- **ETA** (Estimated Time of Arrival): Estimated time of arrival.

NOTE

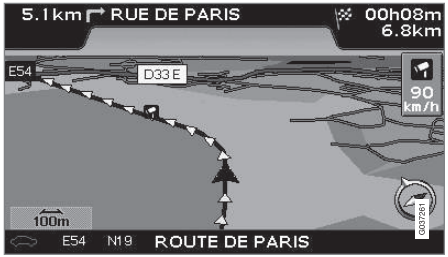
The time set on the car's clock controls the time indicated for **ETA**.

Charge zone warning

Besides road tolls with barriers or other blocking systems, there are also charge routes/zones without physical barriers, such as congestion charge areas.

Select **YesOn** if you require warnings of these types of road, otherwise select **NoOff**.

Facility warning



Safety camera.

The driver is alerted by means of an acoustic signal and a symbol that a safety camera is approaching. The symbol is orange if vehicle speed exceeds the permitted limit - otherwise it is white.

- Select **Yes** to hear an acoustic warning signal, or **No** if no signal is required.

NOTE

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

NOTE

- In certain regions the maximum permissible speed is not stated on the map in combination with a camera warning.
- 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.

Reset to default

Restore factory settings for Guiding options.

– Press ➤, select **OK** and press **ENTER**.

System options

Settings ➔ System options

1. Scroll between the functions using the **navigation button**, then press **ENTER** to save the settings.
2. Press **BACK** to cancel.

Guiding voice

Select the guiding voice you want as the setting: **Female/Male**[1].

Guiding volume

Set the volume for voice messages.

Language

Sets language for menus, text and voice messages.

Menu colour

Select **Black**, **Chrome** or **Blue** for the appearance of the menus.

Map colour

Select **Bright 1**, **Bright 2** or **Dark**.

The light colours are intended for daylight and dark for night or in darkness.

Screen saver

Indicate whether the screen saver should be used (the screen goes out 30 seconds after the last keystroke).

[1] Not applicable to the Netherlands. Instead there is the choice of language between **Nederlands** and **Belgisch**.

Settings

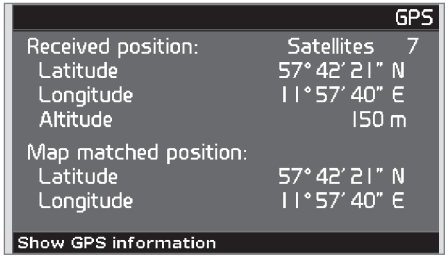
Help
Indicate whether help texts should be displayed at bottom of the screen.

Distance Unit
Select the unit to be displayed for distance - **km** or **statute mile**.

User settings
Switch between **Easy** and **Advanced** mode.

Date & time info
Select how the date and time are to be displayed.

GPS information



The car's position and height above sea level (Altitude).

Press > to see coordinates and height above sea level for the car's position, as well as the number of satellites the system is in contact with.

NOTE

Information on height is displayed in increments of 10 m. All heights below 50 m ASL are displayed as <50 m.

About
Shows system and map information.

Reset to default
Restore factory settings for System options.

– Press >, select **OK** and press **ENTER**.

Start demo (simulation)

Settings ➔ Start demo

Demo demonstrates the system when the car is stationary by simulating a journey to a specified destination.

It is also possible to make settings during the demonstration.

Stop demo stops the simulation.

NOTE

A destination must be entered in order for the demo to work.

General..... 58
Avoiding traffic problems..... 59
Selecting information..... 61
Reading information..... 62
Transmitters..... 63

G029197

04

TRAFFIC INFORMATION



General

Display and reception

Traffic information that is transmitted is always received and presented, irrespective of whether **Easy** or **Advanced** user settings are selected.

The settings for how traffic information should be presented can only be changed in **Advanced** mode, see page 34.

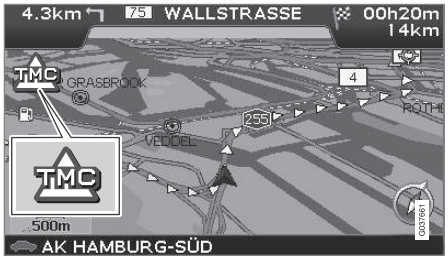
The presentation of traffic information also depends on how it is transmitted.

NOTE

Traffic information is not available in all areas/countries.

The traffic information transmission areas are constantly being expanded.

Traffic symbols on the map



Symbol for traffic message.

A symbol is shown in the upper left-hand corner of the map when there is at least one traffic message along the itinerary's route. The traffic problem can be scrolled forward using the **navigation button** in order to see its position and nature.

Traffic problems are marked with symbols, lines and frames. These are coloured red or yellow.

Red - Important information.

Yellow - General information.

☆☆	Accident
⇧⇧	Slow traffic
⇕⇕	Slow traffic in both directions
⇑⇑	Stationary traffic
▬▬	Area message
● ○	Other information

Extent



Certain traffic messages also contain information on the extent of the traffic obstruction.

On all scales up to 5 km the extent is marked with a red or yellow line along the route affected. The length of the line is corresponds to the extent (distance) of the traffic problem.

Before guidance is started

Settings ➔ Route options

In connection with entering a new itinerary in the navigator: Select whether or not the system should take into consideration traffic problems when the Start guidancefunction is activated, see page 45.

1. Set Avoid traffic problems.
2. Choose between Yes and No.

Yes
The system attempts as far as possible to avoid roads with traffic problems when the itinerary is activated.

No
The system does not avoid any roads with traffic problems when the itinerary is activated.

NOTE

When starting up the system it can take up to 15 minutes before all traffic information for the area has been loaded.

During the journey

Settings ➔ Traffic information ➔ Dynamic route guidance

The system proposes another route if there is a suitable alternative, e.g. if a traffic message states that there is a traffic problem on the original itinerary.

Man/Sem-aut/Auto/Off
Choose how the system is to display an alternative route by selecting Man/Sem-aut/Auto, or shut down the function by selecting Off.

- **Manual**

Another route is suggested, regardless of whether it is better or worse - select/accept the suggested route, then a new itinerary will be used.

- **Semi-auto**

Another route is suggested, but only if it is better - select/accept the suggested route, then a new itinerary will be used.

- **Auto**

The system calculates and uses a new itinerary automatically if a better route exists.

- **Off**

The system does not display or calculate alternatives for better routes.

Messages along the route
One of the Male Sem-aut alternatives is selected in the preceding section and a traffic problem arises along the route:



If there is another route past the problem, the display shows the difference in distance and driving time:

Changed traffic situation, New route?: 600 m longer, 00h 09m faster.

(Changed traffic situation. Use new route?: 600m longer, 00h 09m faster).

- Select Yes or No.

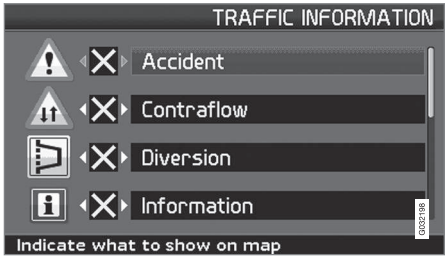
Yes (Yes)
A new route is used - around and past the problem.

Avoiding traffic problems

No (No)
Guides up to and through the problem.

Show new route (Show new route)
Shows map with the new route highlighted.

Traffic-info. selection



Select the type of traffic information the system should display and to be considered in the event of calculating a route.

Settings ➔ Traffic information ➔ Traffic info. selection

Show all

All traffic information is available.

Hide all

No traffic information is displayed.

Show selected

1. Press > to enable selection from symbols.
2. Select using ∧ or ∨ the traffic information symbols (traffic messages) the system should show on the map.
3. Activate and deactivate respectively using > or <.
4. Confirm the settings with **ENTER**.

Traffic signs on the map

	Accident
	Contraflow
	Diversion
	Information
	Narrow road
P	Parking
	Congestion
	Roadwork
	Slippery road
	Other hazard

Reading information

Read traffic message



Detailed traffic information.

Read traffic msg.

A traffic message is indicated by a symbol on screen. To read a traffic message:

1. Press **ENTER** to call up the Quick menu:



2. Scroll to  using < or >, then press **ENTER**, see page 34 and 35.
   > Current messages are marked with a red or yellow frame.
3. Browse forward or back using < or > and press **ENTER** for detailed traffic information (the illustration shows an example).
4. Press **BACK** to enable browsing between current messages again.

The traffic messages relevant to the map area are indicated on the screen.

Detailed information on the traffic problem is also shown. The extent of the problem is shown at the top. If the traffic problem is located along the selected route then the distance to it is specified.

If details are available, the following are also displayed:

- duration
- restrictions on speed, vehicle width and height
- roads affected.

Scale

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 information is provided. For more information, see page 24.

Search/select station for traffic information

Settings ➔ Traffic information ➔ Search station

The system automatically searches stations for traffic information, but a specific station can also be selected.

Search stations

– Press **ENTER** to search for existing stations.

Select station

1. Press **ENTER** to select from among existing stations.
2. Select station using ∧ or ∨ and press **ENTER**.
3. Press **BACK** to return to the previous screen.

Current station

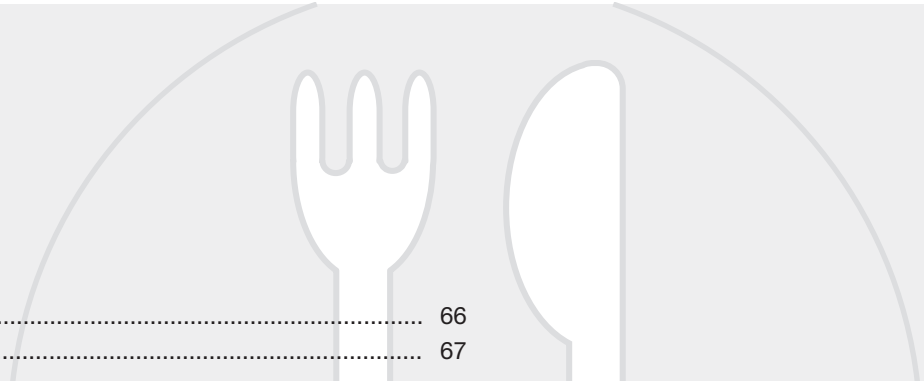
Shows the current station for traffic information.

Reset to default

Restore factory settings for station settings.

– Press >, select OK and press **ENTER**.

Landmarks and road numbers..... 66
Symbols for facilities..... 67



G028760

05

SYMBOLS ON THE MAP



Landmarks and road numbers

Landmarks

Many countries/cities have well known landmarks that can be used as target points.

When the map scale is set to 1 km or lower then a selection of landmarks is shown e.g. churches and castles.



NOTE

Landmarks are only available for Europe.

Road numbers

Local road numbers and international numbers are shown on the map.



Mountain peaks

Mountain peaks shown on the map scale are set at 5 km or lower (only applies to particular areas).

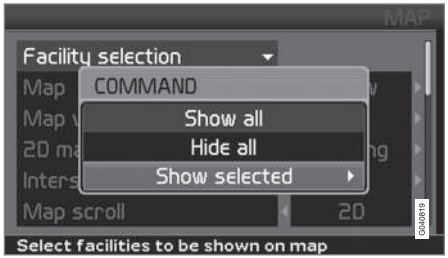
Facilities

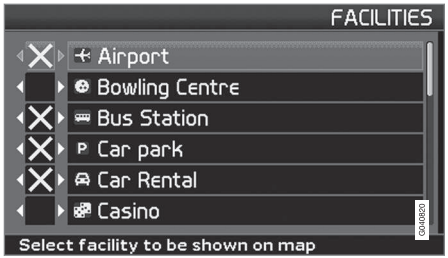
Facilities ➔ Map options ➔ Facility selection

Select facilities to be shown on map.

Symbols for facilities

Select whether all or no facilities should appear on the map or specify which should be shown.





(Settings ➔ Map options ➔ Facility selection)

Settings ➔ Map options ➔ Facility selection

1. With **Facility selection** (**Facility selection**) selected, press > – a menu opens.
2. Select **Show selected** (**Show selected**) and press > - a new menu opens.
3. Facilities marked with a cross are displayed on the map - scroll through the list and uncheck the > the symbols not to be displayed.
4. Finish with **ENTER** when all selections have been made - exit the menus with **BACK**.

NOTE

The symbol for a facility may vary between different countries.

The following symbols for the different facilities can be chosen to appear on the display screen.

	Embassy
	Pharmacy
	Bathing beach
	Bank
	Petrol station
	Library
	Automobile club
	Car hire
	Car workshop
	Cinema
	Book store
	Bowling
	Fire brigade
	Bus station
	City centre
	Court house
	Airport

Symbols for facilities

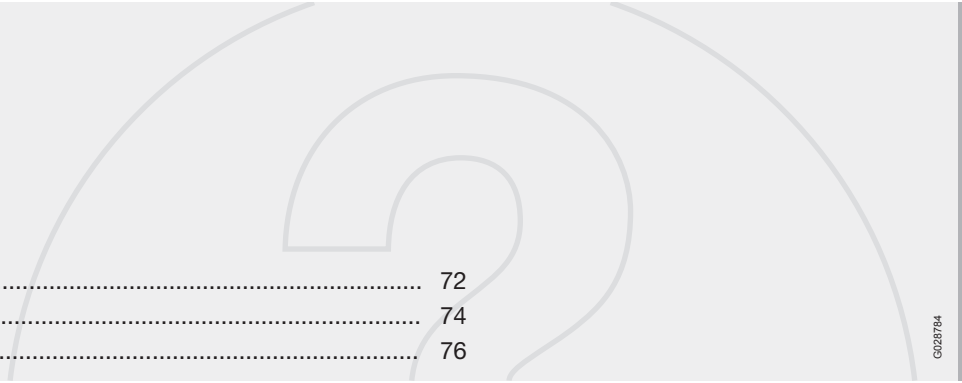
	Recreation area
	Recreation area
	Ferry terminal
	Liquid petroleum gas
	Golf course
	Sacred edifice
	Historical monument
	Hotel
	Sports complex
	Industrial zone
	Ice skating
	Train station
	Coffee shop
	Casino
	Dry cleaners
	Civic/community centre
	Concert hall
	Art museum
	County council
	Grocery shop
	Doctor
	Medical service
	Hamlet
	Monument
	Museum
	Authority
	Convention/exhibition centre
	Night life/music club
	Compressed natural gas
	Amusement park
	Public sport airport
	Accident site
	Parking
	Parking garage
	Park & ride
	Commuter train station
	Guest house
	Police station
	Post office

Symbols for facilities

	Rest area
	Restaurant
	Town hall
	Shopping centre
	Swimming baths
	Hospital
	Ski resort
	School
	Yacht harbour/Marina
	City hall
	Major companies
	Safety camera
	Theatre/opera

	Tourist attraction
	Tourist information
	Railway station
	University/college
	Vantage point
	Bank machine
	Winery
	Volvo dealer
	Toll booth
	Zoo

Frequently asked questions..... 72
EULA - License agreement..... 74
Copyright..... 76



G028784

06

QUESTIONS AND ANSWERS



Frequently asked questions

The position of the car on the map is wrong
The GPS system shows the position of the car with 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, 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 larger roads when calculating a route extending over a long distance.

If **No** is selected for 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 from summer to winter tyres the system needs to "learn" the size of the new wheels.

To achieve the optimum functionality of the system it may therefore be necessary to drive a number of kilometres including several significant turns.

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 digital map database is not always complete. The information stored in the maps is constantly being developed and updated. Your Volvo Dealer can provide further 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 expected menu option is missing
Check the settings that have been made. Select **Return to basic settings** for the function in order to restore the original settings.

The system shows the route I am already on
The system cannot find a good alternative to the current route when I selected **Calculate new** or **Diversion**.

Frequently asked questions

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'm going to make a long journey but do not want to specify a special destination to the cities I am thinking of travelling through. How do I most easily create an itinerary?
Specify the destination directly on the map using the hairline cross. The system automatically guides you to the final destination even though you are driving beside the intermediate destinations.

Why do I not always receive traffic messages?
The function is not accessible, fully developed or not available in all markets. Check also that the correct settings are made under **Route options**.

My map information is not up-to-date
Contact your Volvo Dealer regarding the updating of map data.

See also www.volvocars.com/navi

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1, 2, 3 ...

2D or 3D..... 31, 52

A

About
information on the map disc..... 54
Acoustic signal
camera..... 53
Stored location..... 43
Address
enter..... 27, 40
Arrow keys..... 16
Audible signal
road camera..... 53
stored location..... 43
Avoid
ferries..... 50
motorways..... 50
specified areas..... 50
time-restr. roads..... 50
toll roads..... 50
traffic problems..... 50

B

Basic settings..... 9
Battery
deactivation..... 72
remote control..... 16

C

Camera
acoustic signal..... 53
camera (Audible signal)..... 53
Change between settings..... 24
Changes in the manual..... 8
Compass..... 19, 52
Component location and functions XC90.. 14
Controls..... 16
Coordinates
search..... 44
Copyright..... 76
Current position..... 48

D

Delete destination..... 30
Delete in itinerary..... 46
Demo..... 10, 55
Destination..... 45
last 20..... 29, 43
set..... 27, 40
Detour
quick menu..... 35
Distance unit..... 31
ETA..... 52
Do not disturb - symbol..... 16
Drop-down menu
advanced mode..... 36
simple mode..... 24
DVD disc
care..... 20
changing..... 20

E

Elevation angle in 3D..... 52
ENTER..... 16
Enter an itinerary..... 45

F

Facilities
quick menu ... 36
Symbols ... 67
Facility as destination ... 28, 41
Factory settings ... 9

G

GPS information ... 54
Guidance
start ... 28, 41
Guiding options ... 52
Guiding voice ... 31
Guiding volume ... 31

H

Hill and level differences ... 66

I

IR receiver and remote control ... 16
Itinerary ... 45
next destination ... 47

K

Keypad
location ... 16

L

Landmarks ... 66
Language ... 31, 53
Last 20 destinations ... 29, 43
Latitude and longitude ... 44
Level differences
mark on map ... 66
License agreement ... 74
Longitude and latitude ... 44

M

Main menu Advanced ... 34
Main menu Simple ... 24
Main unit
contents ... 20
Main unit XC90
location ... 15
Map ... 34
2D or 3D ... 52
colour on screen ... 31, 53
direction ... 52
point on ... 29
show/hide ... 52
Map colour ... 31
Map disc
care ... 20
changing ... 20
Map image ... 19
Map mode ... 9
Map options ... 51
Map scale/Current route in quick menu ... 24, 34

Map scrolling
advanced mode ... 36
simple mode ... 24
Map view ... 31
Menu options ... 8, 38
Menu tree
advanced ... 38
simple ... 26

N

Navigation button ... 16
Next destination in itinerary ... 47

O

On/Off ... 9

P

Point on map ... 29, 43
Post code
search ... 41

Q

Quick menu ... 34

R

REAR ... 16
Remote control and IR receiver ... 16
Return to default settings ... 51, 54
Return trip ... 43
Road number ... 66
Route ... 34
Route options ... 50

S

Safety camera ... 53
Save a location ... 46
Scale/current route in quick menu ... 24, 34
Screensaver ... 53
Screen settings
colour of map ... 31
Language ... 31
Scroll menu ... 36
Search
general ... 17
post code ... 41
via coordinates ... 44
via point on map ... 43
Search paths described in the manual ... 8
Set destination ... 27, 40
Set for surveill ... 35, 36
Settings
route ... 50
Show destination ... 30
Simple user settings ... 24
Simulation ... 55
Speakers ... 15
Start guidance ... 28, 41
Store a location ... 46
Stored location
Acoustic signal ... 43
Stored locations ... 42
Symbols
facilities ... 67
System options ... 53
System settings ... 9

T

Toll roads..... 53
Traffic information..... 24
quick menu..... 35
Transport of car..... 72
TV screen
care..... 20

U

User settings
change between..... 10, 31

V

Voice guidance..... 19
quick menu..... 24, 34

W

Waypoint..... 45

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