Pioneer sound.vision.soul

User's manual

AVIC-S1

as of may 2006

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Table of contents

1 Introduction 5

1.1 About this manual 6
1.1.1 Arrangement 6
1.1.2 Conventions 6
1.1.3 Symbols in the Manual 6
1.1.4 Terminology 7
1.2 Legal notice 8
1.2.1 Liability 8
1.2.2 Trademarks 8
1.3 Support 9
1.4 The basic principle of navigation 10

2 Using the AVIC-S1 for the First Time 11

2.1 Power supply and charging the battery 12
2.1.1 At home 12
2.1.2 In the car 12
2.1.3 End of recharging 12
2.2 Switching on the AVIC-S1 13
2.3 Basic settings 13

3 Operating the navigation software 19

3.1 Hardware keys 20
3.2 Software keyboard 21
3.2.1 Enter characters with the touch screen keyboard 21
3.3 Command buttons 23

4 Navigation 25

4.1 General information on navigation 26
4.2 Starting AVIC-S1 27
4.3 Entering a destination 28
4.3.1 Opening the DESTINATION window 28
4.3.2 Specifying destination state (province) 29
4.3.3 Entering a destination address 30
4.3.4 Specifying points of interest 37
4.3.5 Destination history 44
4.3.6 Address book 45
4.3.7 Navigating home 46
4.3.8 Selecting destinations on the map 47
4.4 Administering destinations 49
4.4.1 Opening the ADDRESS BOOK 49
4.4.2 Saving 50
4.4.3 Editing 51
4.4.4 Deleting 54
4.5 Itinerary (with waypoints) 55
4.5.1 Opening the ITINERARY window 55
4.5.2 Indicating waypoints 56
4.5.3 Scrolling through the list of waypoints 57
4.5.4 Editing the list of waypoints 57

4.5.5 Managing itineraries 58
4.5.6 Calculating the route 60
4.5.7 Displaying information regarding the route 61
4.5.8 Simulating a route 62
4.5.9 Starting navigation 62

5 Working with the map 65

5.1 Status displays 66
5.2 Zoom 68
5.3 Map views 69
5.3.1 Standard map view 69
5.3.2 Search for destination view 71
5.3.3 View destination - map view 72
5.4 Showing the map during navigation 73

6 Useful functions for navigation 77

6.1 Waypoints 78
6.2 Skip next waypoint 78
6.3 Blocking a route section 79
6.4 Change route preferences 81
6.5 Simulation 82

7 Configuring AVIC-S1 83

7.1 Opening the SETTINGS window 84
7.2 Orientation 85
7.3 Map Type 85
7.4 Day / Night Display 85
7.5 Route Preferences 86
7.6 Overlay POI 87
7.7 Displayed Information 89
7.7.1 Current Time 89
7.7.2 Current Street Name 90
7.7.3 Compass 90
7.7.4 Current Speed 90
7.7.5 Destination Info 91
7.7.6 Waypoint Info 91
7.7.7 Displayed Time 91
7.7.8 Street names on map (2D) 92
7.7.9 GPS / current position 92
7.7.10 Battery Status 92
7.8 Background 93
7.9 Autozoom 93
7.10 Home Address 94
7.11 Phone Menu 94
7.12 Hardware 95
7.12.1 Demo Mode 95
7.12.2 Click sound 96
7.12.3 Brightness 96
7.12.4 Battery Status 97
7.12.5 GPS Status 97

7.13 Regional Settings 98
7.13.1 Language 99
7.13.2 Time Zone 99
7.13.3 Time Format 100
7.13.4 Distance 100
7.14 Product Information 100
7.15 Restore Factory Settings 100

8 Appendix 101

8.1 Appendix A: Restoring the Software and Map 102
8.1.1 Restoring the software 102
8.1.2 Restoring the map 103

9 Glossary 105

10 Index 107

1 Introduction

Topics covered in this chapter:

1.1	About this manual Arrangement Conventions Symbols in the Manual Terminology	page 6
1.2	Legal notice Liability Trademarks	page 8
1.3	Support	page 9
1.4	The basic principle of navigation	page 10

1.1 About this manual

1.1.1 Arrangement

Find information quickly

If you are looking for specific information or the explanation for a specific term, you can refer to the following sections in the manual:

- ⇔ In the list Terminology on page 7 you'll find an explanation of terms used in this manual.
- ⇔ In the Glossary on page 105 you'll find an explanation of the specialist terms and abbreviations.
- ⇔ In the Index on page 107 you'll find page references.

1.1.2 Conventions

Conventions

For better legibility and clarification the following styles are used in this manual:

Style	Use
bold	Buttons, icons, names of entry fields, and elements of the software's user interface. Also used for highlighting warnings and notices.
bold italic	Registered names and trademarks.
SMALL CAPITALS	Window and dialog box titles.

1.1.3 Symbols in the Manual

Symbols

The following symbols refer to specific content of text:

Symbol	Use
	Information and tips that facilitate working with ***AVIC-S1***
	More detailed information and explanations
	Warnings

1.1.4 Terminology

Terms Used

Specific terminology is used in this manual to designate elements of the product and user actions.

Term	Use
Display	The physical display of the navigation device.
Window	A functional software operating unit that occupies the entire display.
Tab	The navigation software is mainly operated by means of two tabs, the **DESTINATION** tab and the **SETTINGS** tab. Tap the appropriate tab in order to open the respective window.
Dialogue window	A dialog window is a popup message, which includes questions or information text, and usually has a OK or Cancel button that need to be pressed to continue operation.
Button	Elements of the user interface that can be touched to trigger a software action. Buttons can be labelled and /or provided with a graphic.
Symbol	Small graphics on the user interface. These represent information. An example of this is the symbol for GPS reception. No operation associated with a symbol.
Input field	A field in which data can be input. Input fields are generally labelled with text situated either above the input field or at the start of the input field.
Highlight	Item which is currently selected from a list of options. You can change your selection by using the scroll wheel.
Scrolling wheel	The scrolling wheel is located under the display, in the center. You can move **Up** and **Down** using the scrolling wheel, and also select an entry by pressing down on the scrolling wheel.
Hard Key	Brings up **MENU** and **MAP** window.
Activate	Touch the screen on check box to activate certain entries.
Select	Use the scrolling wheel to highlight entry of choice.

1.2 Legal notice

1.2.1 Liability

Limitation of liability

The software and the manual are subject to change without notice. Pioneer may not be liable for the correctness of the information contained in this manual nor for damages resulting from the use of this manual.

To improve the quality of our products and our services, we appreciate all suggestions for improvement and all error notices.

1.2.2 Trademarks

Registered trademarks

All brands and trademarks mentioned in this document are possibly registered by third party and subject to the current legislation and to the rights of their respective owners without reservation. All mentioned names of products, societies, or brands may be registered trademarks of their respective owners. Every right that is not explicitly accorded is reserved.

The absence of an explicit labeling of registered trademarks does not allow the conclusion that this brand was not subject to the rights of third party.

⇔ Windows and ActiveSync are registered trademarks of the Microsoft Corporation.

1.3 Support

Failure to Operate

Should this Navigation System fail to operate properly, contact your dealer or the nearest authorized Pioneer service facility.

To locate your nearest authorized Pioneer service facility, please visit the Pioneer Electronics website

⇔ http://www.pioneerelectronics.com for USA or

⇔ http://www.pioneerelectronics.ca for Canada,

or call the Pioneer customer service telephone numbers listed below.

After-sales Service for Pioneer Products

Please contact the dealer or distributor from where you purchased the product for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact Pioneer as specified below:

(Do not ship your product to the companies at the addresses listed below for repair without making advance contact.)

U.S.A.

Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760
Long Beach, CA 90801-1760
1-800-421-1404

Canada

Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION DEPARTMENT
300 Allstate Parkway
Markham, Ontario L3R OP2
1-877-283-5901

1.4 The basic principle of navigation

AVIC-S1

The stylish, small, and slim ***AVIC-S1*** offers smart navigation features like address and points of interest search. In addition, built-in Bluetooth(TM) technology lets you wirelessly synchronize your compatible cell phone to the ***AVIC-S1*** for handsfree calling. Pioneer's ***AVIC-S1*** makes getting there simple.

GPS-based navigation

The **G**lobal **P**ositioning **S**ystem (GPS) was originally developed in the 1970's, as a weapon guidance system for the Government of the United States of America.

GPS is based on 24 satellites, which are in orbit round the earth and are permanently emitting signals. The GPS receiver receives these signals and calculates, based on the runtime of the signals, their distance from the respective satellites. This information allows for GPS devices to calculate your current geographic location.

The signals of at least four satellites are needed to determine the longitude and the latitude. GPS accuracy is estimated to be within 3 yards.

Navigation with GPS

The imbedded maps contain the geographic coordinates of the points of interest, streets and cities in the database. Thus the navigation system can calculate a route from a given start point to a given destination point.

When your navigation system receives the signals of at least four satellites, it can determine your current position on the map. This will start as your starting point for navigating.

Current position calculation occurs about once a second, so your current location moves along the map right away, as you move also.

2 Using the AVIC-S1 for the First Time

Topics covered in this chapter:

2.1	Power supply and charging the battery	page 12
	At home	page 12
	In the car	page 12
	End of recharging	page 12
2.2	Switching on the AVIC-S1	page 13
2.3	Basic settings	page 13

2.1 Power supply and charging the battery

The unit is shipped with the battery uncharged. You must connect the device to an external power source (through the supplied 12V or AC adapter) and recharge the battery.

Once the device is connected to an external power source, it can be used, even if the battery is not recharged.

2.1.1 At home

1. Connect the mini USB end of the AC adapter to the mini USB opening on the bottom of the navigation device.
2. Insert the adapter into an outlet.

   The diode indicating the charging status of the battery is to the left of the screen and lights up orange while recharging.

2.1.2 In the car

1. Install the suction mount.
2. Place the AVIC-S1 in the cradle.

   The diode indicating the charging status of the battery is to the left of the screen and lights up orange while recharging.

2.1.3 End of recharging

As soon as the diode lights up green, the battery is completely recharged.

Caution: Recharge the unit fully when using it for the first time. Not doing so could cause permanent damage to the rechargeable battery.

2.2 Switching on the AVIC-S1

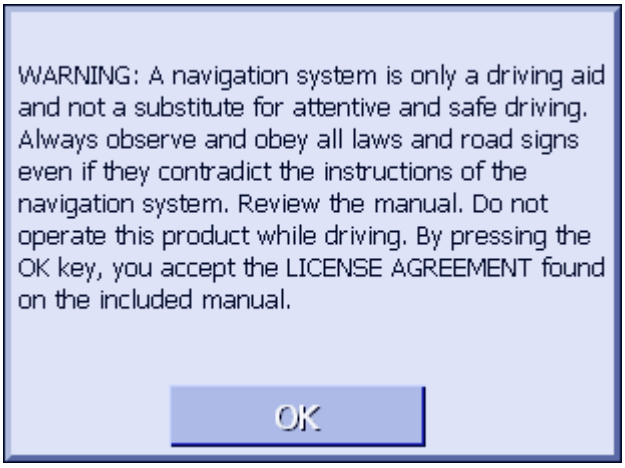
As soon as you have connected the navigation system to a power supply, you can start to use the unit.

1. Slide the main switch on the back of the device to **ON**.

   If the main switch is already switched to **ON**, then press the On/Off button on the top of the device.

   The PIONEER start screen appears briefly during start-up.

   At the first start the following message appears:



2. Read the message, and touch **OK** if you agree with the written warning.

2.3 Basic settings

Basic Settings

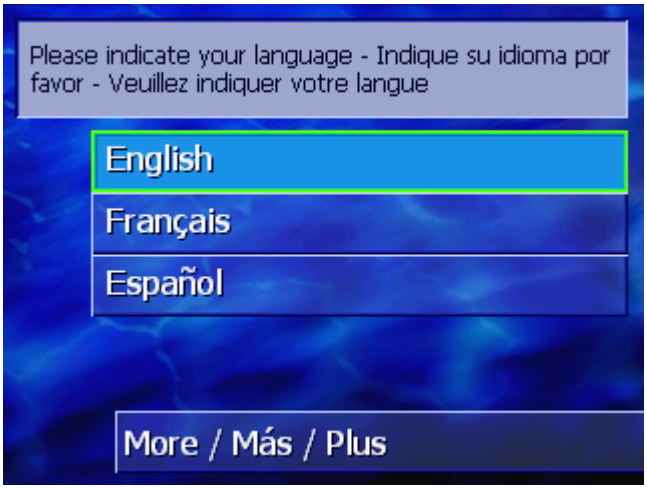
When you start ***AVIC-S1*** for the first time, you will be asked

- ⇔ to specify the language in which you would like to operate the unit,
- ⇔ for the time zone of your current location, for calculating accurate estimated time of arrival.
- ⇔ to specify the desired format for displaying time (12hr/24hr) and distance (km/mi).

Language

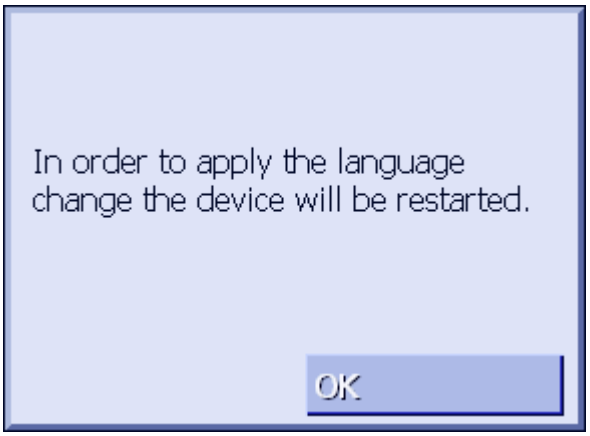
1. Switch on the navigation device.

   The **LANGUAGE** window opens.



2. Touch the language in which you would like to operate the unit.
3. If your language is not displayed, touch the **More / Más / Plus** button to view more languages.

   As soon as you select a language a window opens. This window informs you that you must restart the unit.

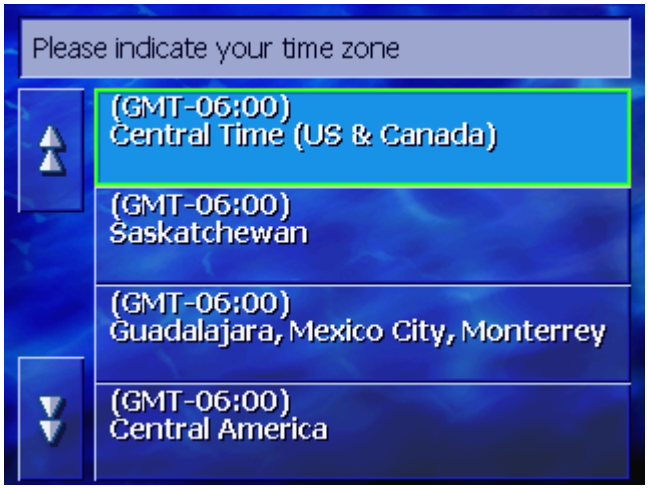


4. Touch **OK**.

   The system switches off and then back on again. Operation continues in the chosen language.

Time Zone

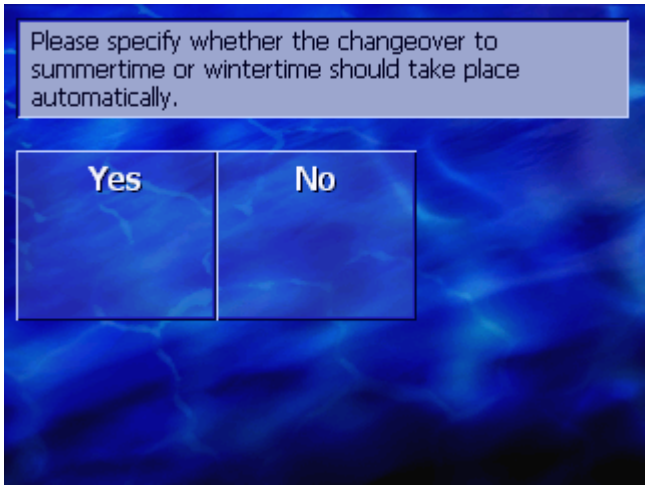
The **TIME ZONE** window opens.



5. Touch the time zone that applies to your location. You can scroll through the list with the **Up** and **Down** buttons. The cities displayed in the respective time zone are an aid for choosing the correct time zone.

Summer Time

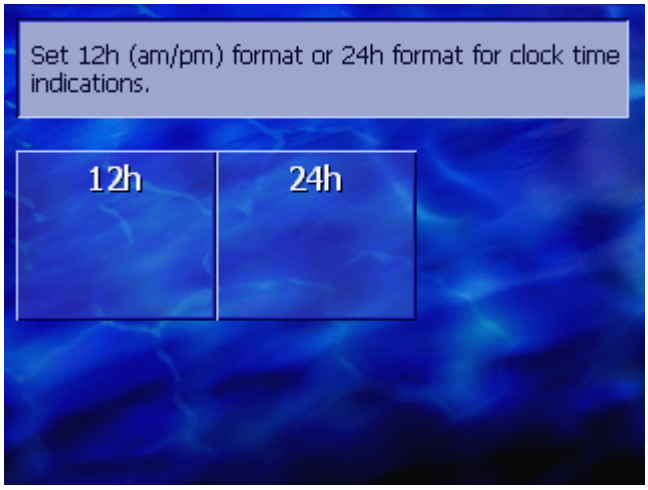
The **SUMMER TIME** window opens.



5. Specify whether the changeover to summertime or wintertime should take place automatically.

Time Format

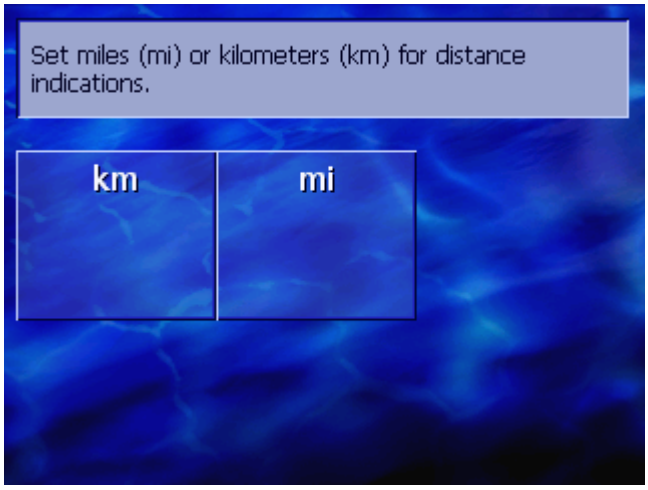
The **TIME FORMAT** window opens.



7. Specify whether times should be displayed in 12-hour format (**12hr**) or in 24-hour format (**24hr**).

Distance Unit

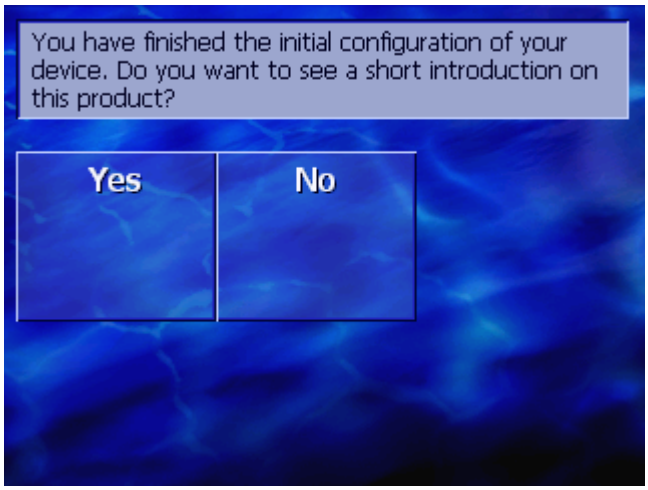
The **DISTANCE UNIT** window opens.



8. Specify whether distances should be displayed in kilometers (**km**) or miles (**mi**).

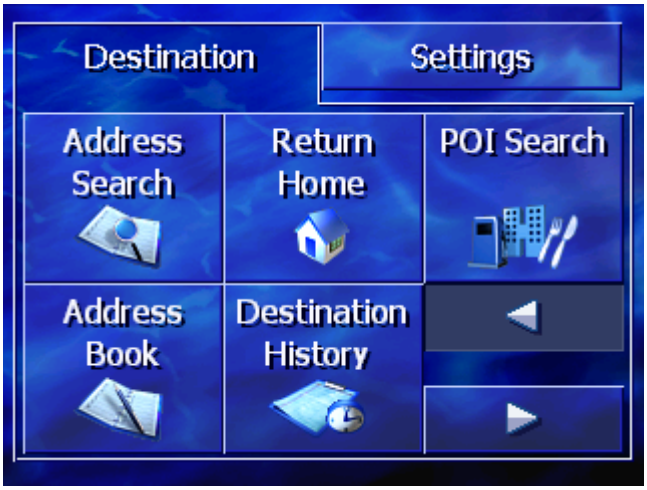
Introduction

The **INTRODUCTION** window opens.



9. Specify whether you would like to see a brief introduction to operating the navigation software (**Yes**) or (**No**).

The **DESTINATION** window opens, after the introduction if applicable.



3 Operating the navigation software

Topics covered in this chapter:

3.1	Hardware keys	page 20
3.2	Software keyboard Enter characters with the touch screen keyboard	page 21
3.3	Command buttons	page 23

3.1 Hardware keys

Hardware Keys

The following hardware keys are located on the **front** of the unit. Use these for quick access to important functions:

Left Key

Position on map

Opens the map in standard view and displays your current location.

Toggles between 2D and 3D view when your current position is being displayed (i.e. when GPS-signals are being received).

Centre

Scrolling wheel

Your device has a wheel that can be turned up and down and also pressed.

In a list:

Turn the wheel upwards / downwards and the previous / following entry in the list is selected.

Press the center of the wheel to choose the selected entry.

In map view:

Turn the wheel upwards to increase the volume of route guidance.

Turn the wheel downwards to reduce the volume of route guidance.

Press the center of the wheel to open the **ADDRESS BOOK**.

Right Key

Press briefly when you are on the map screen:
Opens the **DESTINATION** window.

Press briefly when you are on the map screen:
Opens the map at the same point at which it was closed.

Long push:
Brings up the Bluetooth handsfree application.

Briefly press in the telephone application:
Switches back to the navigation software.

Switch device on / off

The button to switch the device on and off is located on the **top** of the device.

Switch on / off button

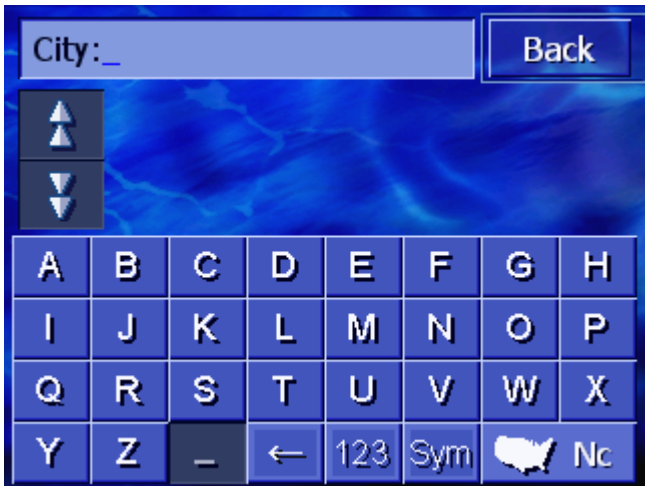
Long push:
Switches the device on / off.

3.2 Software keyboard

Overview

If text entries are necessary, a touch screen keyboard appears in the lower area of the screen.

3.2.1 Enter characters with the touch screen keyboard



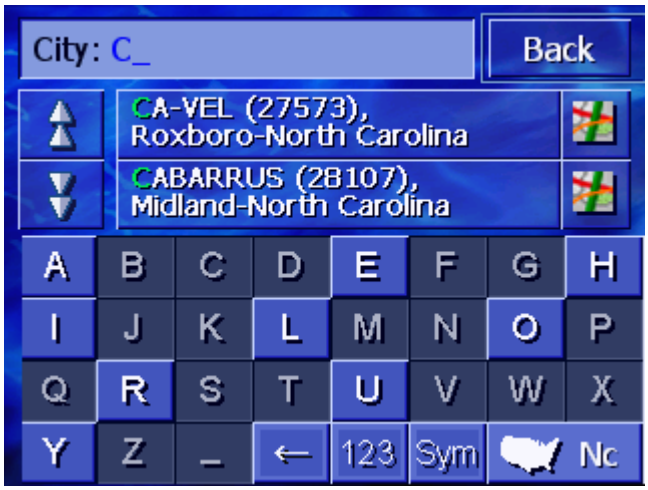
You can enter all entries with the touch screen keyboard. But you may enter capital letters only.

You need not enter small letters or special characters when entering a destination's town or street name. ***AVIC-S1*** replaces these characters automatically. When you are looking for, e.g., a Canadian city called "Verchères", simply type "VERCHERES".

Smart keyboard

The system has a database and therefore knows which cities or streets begin with the character combination you have entered.

As soon as you have entered a character, the system deactivates all characters that do not exist in combination with the ones already entered.



The city or street names that begin with the previously entered character combination will be listed above the keyboard.

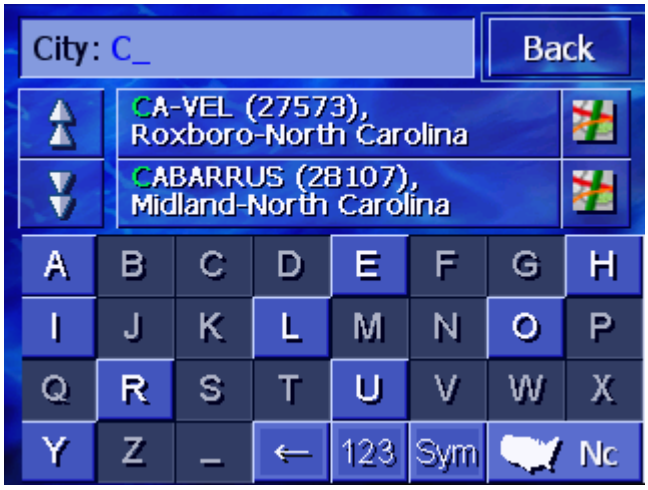
If a street name or name of a point of interest consists of several words, you can type in the start of each of these words. For example, to search for "John F. Kennedy Ave." you can enter "JOH..." or also "KEN...".

However, in the case of city names that consist of several words, you can enter only the first letters of the first word .

Use the **Up** and **Down** buttons to scroll through a list.

When the searched location or street name appears on the list, just touch to select it.

Note: In order to scroll through a list you may also use the Scrolling Wheel on the device. When the searched location or street name is highlighted, simply press the Scrolling Wheel to select it.



Entering a space, deleting a character…

Tap the icon to enter a space between two words.

Tap the icon to delete the character to the left of the cursor.

Switching between character and number entry…

Tap the icon to enter numbers, e.g. for a Zip code search.

Tap the icon to return to character entry mode.

Special characters

Tap the

icon to enter a special character.

The special characters keyboard appears.

Tap the

icon to return to character entry mode.

You need not enter special characters when entering a destination's city or street name but they may be helpful for entering names for saved destinations and itineraries.

3.3 Command buttons

Command buttons

Most of the ***AVIC-S1*** screens have the following buttons:

Back

To a map: displays the map in standard view.

To a different window: opens the last window you were at.

To the left / right

Move into other menu options.

Show on map

In a list: touch this button to the right of entry to show location on the map.

4 Navigation

Topics covered in this chapter:

4.1	General information on navigation	page 26
4.2	Starting AVIC-S1	page 27
4.3	Entering a destination	page 28
	Opening the DESTINATION window	
	Specifying destination state (province	
	Entering a destination address	
	Specifying points of interest	
	Destination history	
	Address book	
	Navigating home	
	Selecting destinations on the map	
4.4	Administering destinations	page 49
	Saving	
	Opening the ADDRESS BOOK	
	Saving	
	Editing	
	Opening the ADRESS Book RECORD window	
	Deleting	
4.5	Itinerary (with waypoints)	page 55
	Opening the ITINERARY window	
	Indicating waypoints	
	Scrolling through the list of waypoints	
	Editing the list of	
	Managing itineraries	
	Calculating the route	
	Displaying information regarding the route	
	Simulating a route	
	Starting navigation	

4.1 General information on navigation

Use of ***AVIC-S1*** is executed at your our risk.

Caution: Before you use this navigation system, please make sure that you have thoroughly read and understood the "Important Information for the User" which is to be found on the Software DVD.

Caution: The availability of navigation data depends on the ability of the antenna to receive a GPS satellite signal.
A minimum of 4 GPS satellite signals is needed to determine current GPS position. The signal may be unavailable if obstructed by such things as overhead roofs, tall buildings, tunnels, bridges, and in some cases bad weather. Depending upon where you are, it may take a short time for the Navigation System to re-establish your position after a GPS satellite signal is re-acquired.

Caution: Other wireless devices in the vehicle may interfere with the reception of GPS satellite signals, and cause the reception to be unstable.

Caution: In order to prevent theft and/or sun/heat damage, remove this Navigation System from its mount when it is not being used.

Caution: The windshield on some vehicles contains a special metallic coating that could block GPS satellite signals from this Navigation System. In such cases, it may be necessary to use an external antenna outside the vehicle.

Arriving at your destination

When you have reached your destination the system pronounces the message "You have reached your destination".

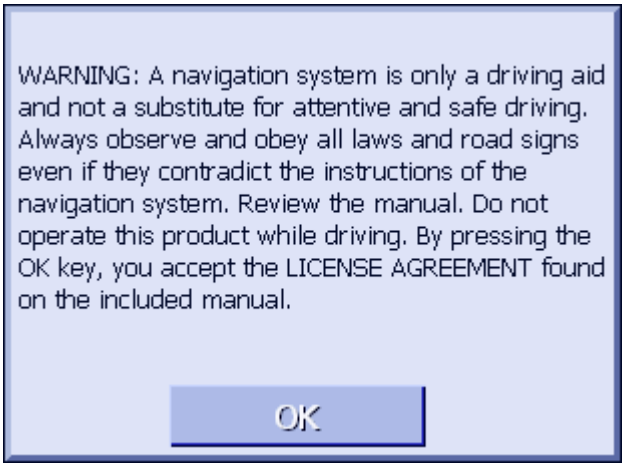
The map is no longer presented in navigation mode. A small green arrow indicates your current position.

4.2 Starting AVIC-S1

How to start the AVIC-S1

1. Switch on your device.

   A window with the following message appears:

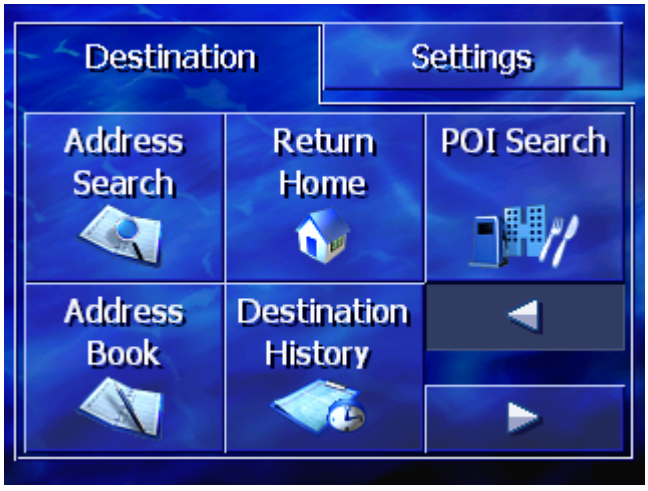


2. Read the message, and touch **OK** if you agree to the written warning.

   The **DESTINATION** window opens.

DESTINATION window

In the **DESTINATION** window you may enter a destination, process routes or view the map.



Note: Unless you turn off the main power on the back of the unit, you will return to the last screen you were on before turning off the power button at the top of the unit.

4.3 Entering a destination

Basis of navigation

This section describes the various ways of entering, selecting and managing a destination on the ***AVIC-S1***.

Map views during navigation are described in chapter "Map views" On page 69.

Note: The settings that are specified in the settings window **ROUTE PREFERENCES** are taken into consideration when calculating the route for the entered destination.

For further information, please refer to chapter "Configuring AVIC-S1" on page 83.

4.3.1 Opening the DESTINATION window

*Opening the **DESTINATION** window*

Specifying a destination or planning a route always starts in the **DESTINATION** window.

You can open the **DESTINATION** window as follows:

If you can see the map:

1. Press the **MENU** key to the right at the bottom of the display.

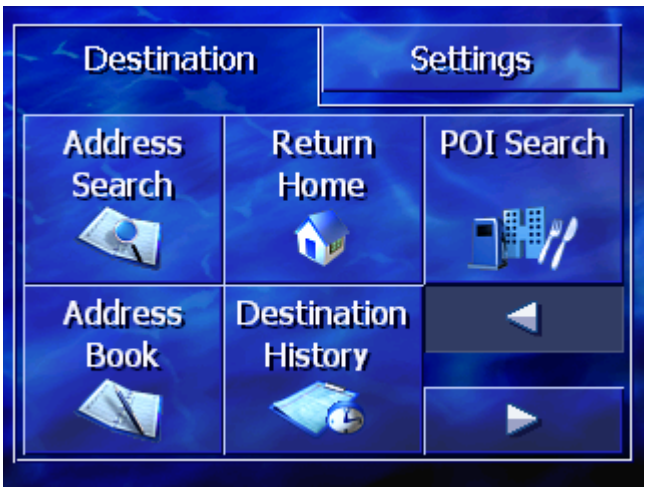
If a different window is opened:

1. Press the **MAP** key.

   The map opens.

2. Press the **MENU** key.

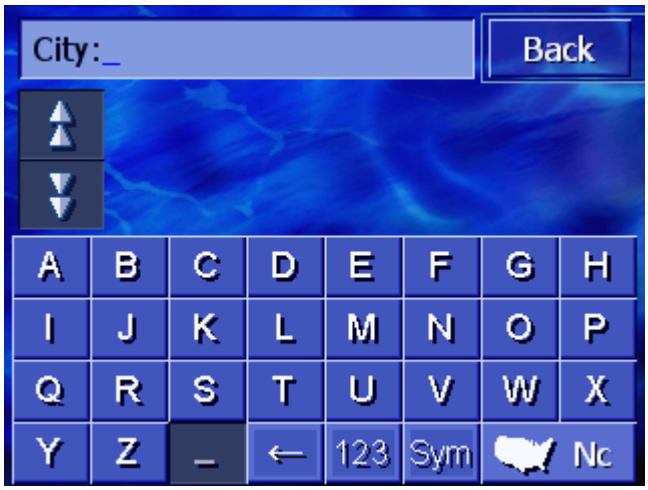
   The **DESTINATION** window now opens.



4.3.2 Specifying destination state (province)

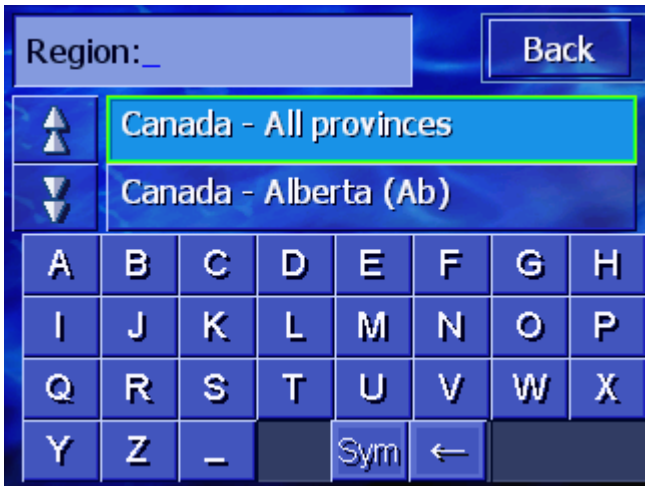
It is possible to search for cities and some points of interest only within a specific region.

The region is displayed on the **Region** button in the lower right-hand corner of the display.



1. If the city or point of interest is situated in a different state (province) to the one that is shown, then tap on the **Region** button.

   The **REGION** window opens.



2. Use the **Up** and **Down** buttons (or the scrolling wheel) to scroll through the list of states (provinces).
3. Touch the region in which the destination is located.

4.3.3 Entering a destination address

There are various methods for entering addresses. Choose

- ⇔ Address (city, street, house number), if you know the complete address of your destination,
- ⇔ City center (only city name), to be guided to the center of a specific city or if there are no roads around your destination,
- ⇔ Zip code (zip code, street, house number), if you would prefer to enter the zip code of your destination,
- ⇔ Intersection (city, street, intersecting road), if the destination road is very long and you do not know the house number, but you do know the name of an intersecting road.

Address (city, street, house number)

1. Open the **DESTINATION** window. (refer to page 28)
2. In the **DESTINATION** window, tap on the **Address Search** button.

   The keyboard appears with the **City** entry field.

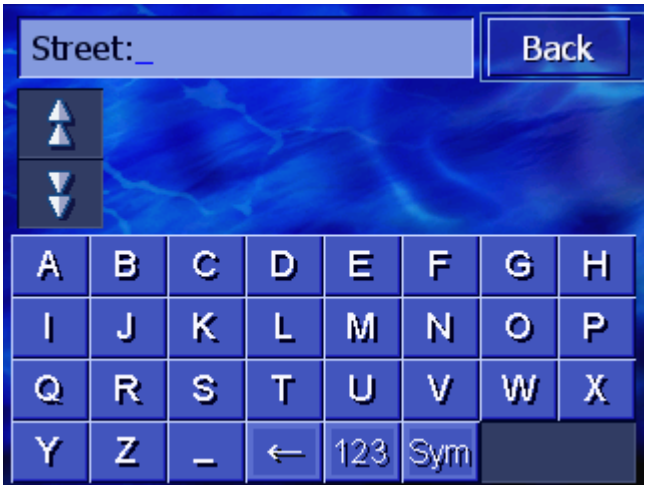
Note: If the **Region** button in the right lower corner of the display does not show the state (province) in which your destination is located, then touch to specify the state (province). (refer to Specifying destination state (province), page 29)

3. Enter the destination city.

Note: The last 8 cities from the displayed state (province) that you have entered as destination city are listed chronologically. If you want to enter one of these cities, then touch the selection.

4. As soon as the destination city appears in the list above the keyboard, touch to select.

The keyboard appears with the **Street** entry field.

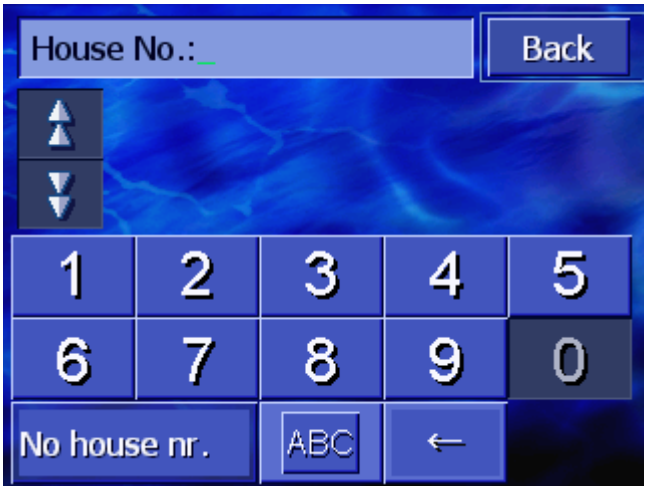


5. Enter the destination street.

Note: The last 8 streets from the destination city that you have entered as destination street are listed chronologically. If you want to enter one of these cities, then touch the entry to select.

6. As soon as the destination street appears in the list above the keyboard, touch to select.

   The keyboard appears with the **House number** entry field.



7. Enter the house number.

   As soon as the house number appears in the list above the keyboard, touch to select.

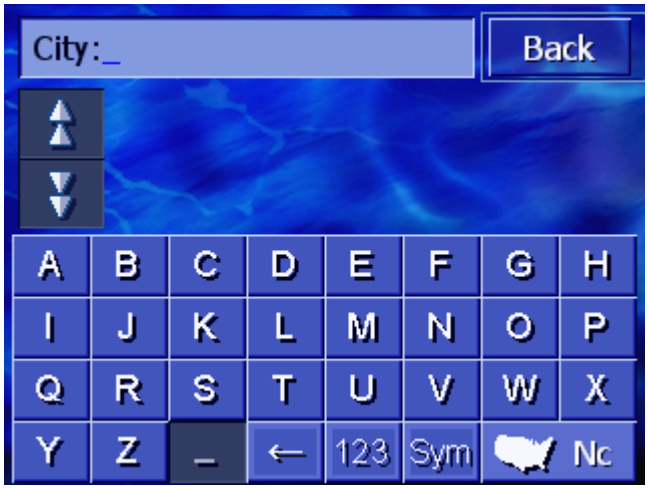
   If you do not know the house number or do not want to specify it, touch the **No number** button.

   The route is calculated. Once the calculation has ended and there is a sufficient GPS signal, the map will be displayed and route guidance will begin.

City center (only city name)

1. Open the **DESTINATION** window. (refer to page 28)
2. In the **DESTINATION** window, tap on the **To the right** button.
3. Touch the **City center** button.

   The keyboard appears with the **City** entry field.



Note: If the **Region** button in the right lower corner of the display does not show the state (province) in which your destination is located, then touch to specify the state (province). (refer to Specifying destination state (province, page 29)

4. Enter the destination city.

Note: The last 8 cities from the displayed state (province) that you have entered as destination city are listed chronologically. If you want to enter one of these cities, just tap on its entry.

5. As soon as the destination city appears in the list above the keyboard, touch to select.

   The route is calculated. Once the calculation has ended and there is a sufficient GPS signal, the map will be displayed and route guidance will begin.

Zip code (zip code, street, house number)

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **To the right** button.
3. Tap on the **Zip Code Search** button.

   The keyboard appears with the **Zip code** entry field.

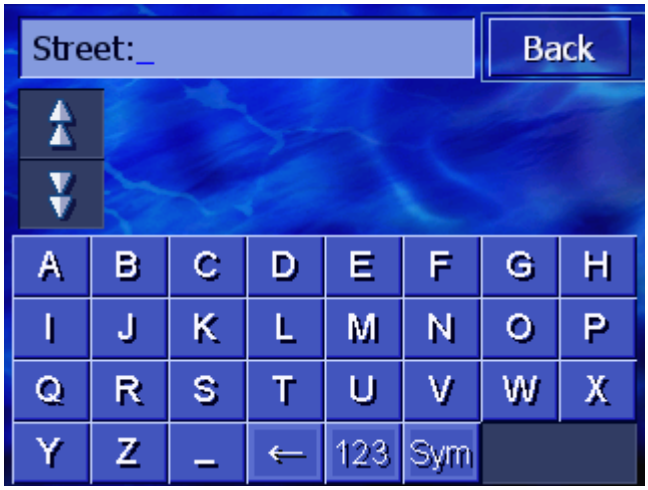
Note: If the **Region** button in the right lower corner of the display does not show the state (province) in which your destination is located, then touch to specify the state (province). (refer to Specifying destination state (province, page 29)

4. Enter the zip code for the destination.

Note: The last 8 cities from the displayed state (province) that you have entered as destination city are listed chronologically. If you want to enter one of these cities, touch entry to select.

5. As soon as the zip code appears in the list above the keyboard, touch to select.

   The keyboard appears with the **Street** entry field.

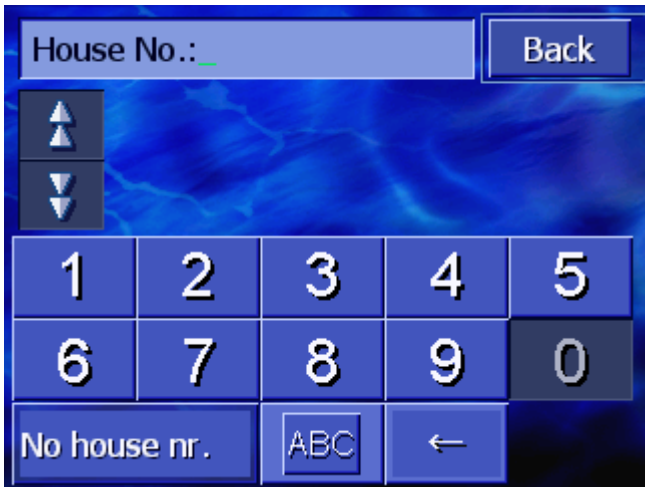


6. Enter the destination street.

Note: The last 8 streets from the destination city that you have entered as destination street are listed chronologically. If you want to enter one of these cities, touch entry to select.

7. As soon as the destination street appears in the list above the keyboard, touch to select.

   The keyboard appears with the **House number** entry field.



8. Enter the house number.

   As soon as the house number appears in the list above the keyboard, touch to select.

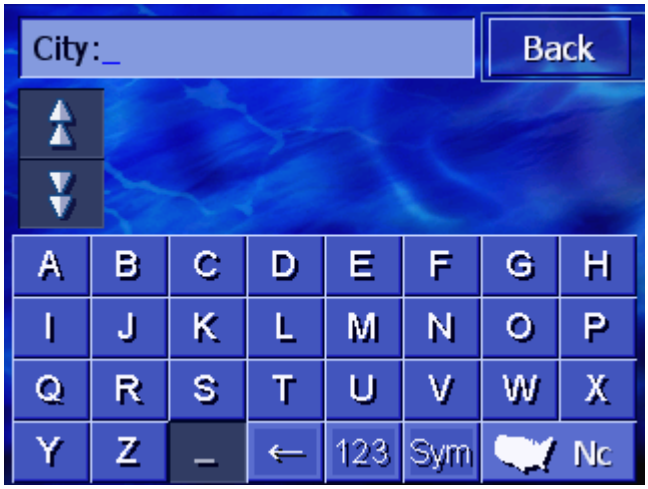
   If you do not know the house number or do not want to specify it, touch the **No house number** button.

   The route is calculated. Once the calculation has ended and there is a sufficient GPS signal, route guidance will begin.

Intersection (city, street, intersecting road)

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **To the right** button.
3. Touch the **Crossing** button.

   The keyboard appears with the **City** entry field.



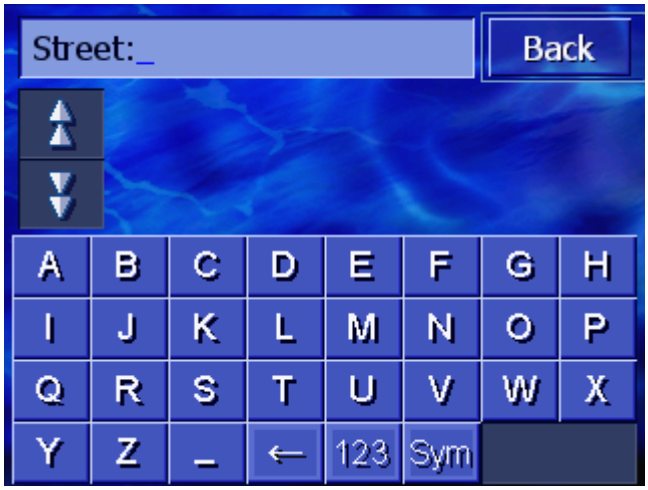
Note: If the **Region** button in the right lower corner of the display does not show the state (province) in which your destination is located, then touch to specify the state (province). (refer to Specifying destination state (province, page 29)

4. Enter the destination city.

Note: The last 8 cities from the displayed state (province) that you have entered as destination city are listed chronologically. If you want to enter one of these cities, touch entry to select.

5. As soon as the destination city appears in the list above the keyboard, touch to select.

   The keyboard appears with the **Street** entry field.

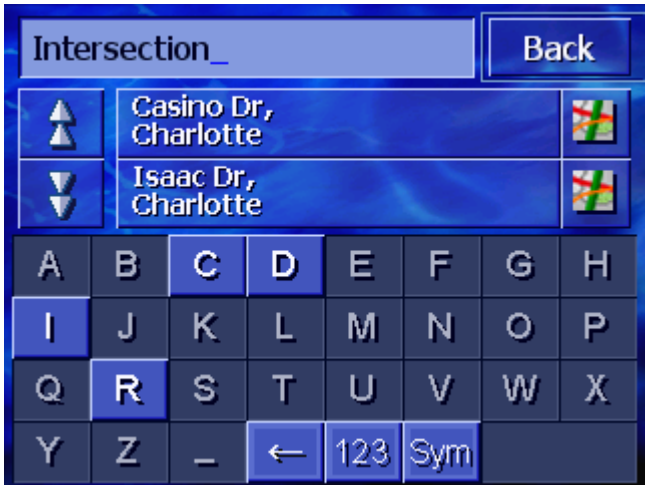


6. Enter the destination street.

Note: The last 8 streets from the destination city that you have entered as destination street are listed chronologically. If you want to enter one of these cities, touch entry to select.

7. As soon as the destination street appears in the list above the keyboard, touch to select.

   The keyboard appears with the **Street** entry field for the intersecting street.



8. Enter the intersecting street.

   As soon as the street appears in the list above the keyboard, touch to select.

   The route is calculated. Once the calculation has ended and there is a sufficient GPS signal, route guidance will begin.

4.3.4 Specifying points of interest

Points of Interest

Points of interest, also known as POI are included in the navigation system's database.

Included as points of interest are airports and harbors, restaurants, hotels, gas stations, public facilities, doctors, hospitals, shopping centers and others.

Points of interest can be displayed using a symbol on the map. Refer to Chapter "Overlay POI" on page 87 for more information.

Points of interest can also be entered as navigation destinations.

Different processes are defined for specifying points of interest. Choose

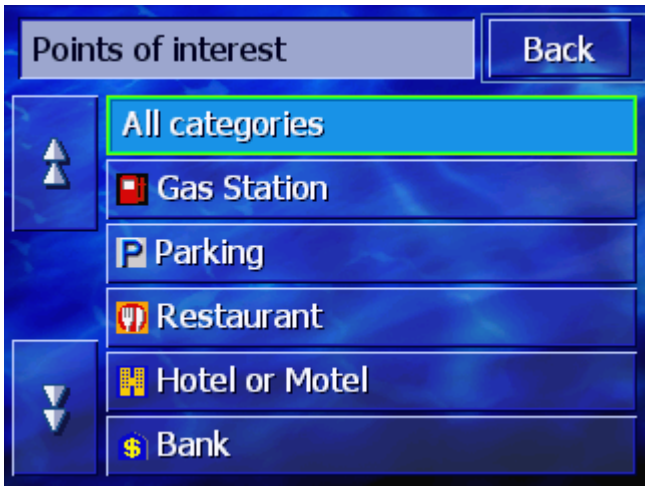
- ⇔ Point of interest nearby, if, for example, you are looking for the next gas station or a restaurant in the vicinity.
- ⇔ Point of interest in a specific city, if, for example, you are looking for a specific theater or a restaurant in a specific city.
- ⇔ Point of interest of regional significance, if, for example, you are looking for the next airport or train station.

Point of interest nearby

Note: Points of interest from the current surroundings can only be specified if the GPS reception is sufficient for positioning.

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **POI Search** button.
3. Touch the **Nearby** button.

   The **CATEGORY** window opens.



4. Use the **Up** and **Down** buttons or the scrolling wheel to scroll through the list of categories.

5. Touch the category from which you wish to find a point of interest.

   The **SUBCATEGORY** window opens. The category that you have just chosen is specified at the top.

6. Use the **Up** and **Down** buttons or the scrolling wheel to scroll through the list of subcategories.
7. Touch the subcategory in which you want to find a point of interest.
   If you do not wish to specify a subcategory, tap on **All categories** (topmost entry).

   The **POINTS OF INTEREST NEARBY** window opens. The subcategory that you have just chosen is displayed at the top.

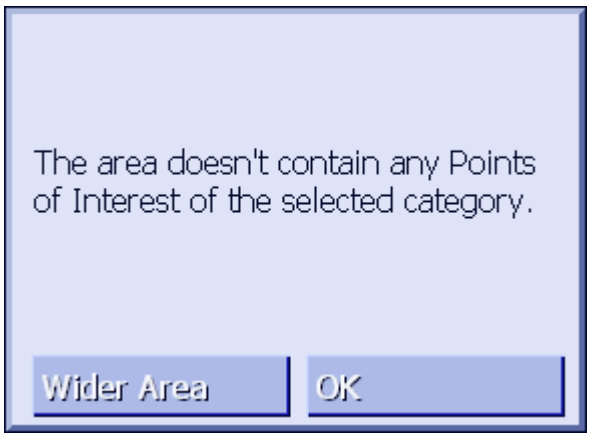
   It lists all the destinations of the specified category / subcategory that can be found in a specific radius around your current location.

8. Use the **Up** and **Down** buttons or the scrolling wheel to scroll through the list of points of interest.
9. Touch to select the point of interest you wish to drive to.

   The route is calculated. When the calculation is completed, route guidance will begin.

No point of interest found?

If no point of interest with the specified category is found in the vicinity of your location, a dialog window appears with the following message:



1a Touch **Wider Area**, in order to search within a greater radius.

- OR -

1b Touch **OK**, in order to return to the **SUBCATEGORY** window.

Search within a greater radius

If the list of points of interest found is very short, you can proceed as follows:

1. Touch the **Wider Area** button.

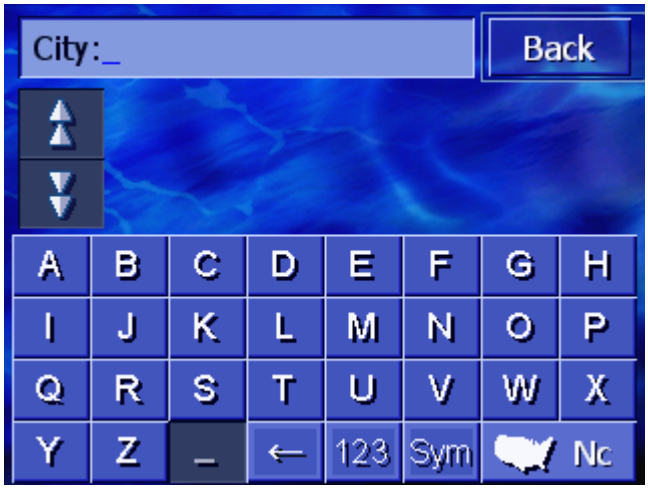
   The list now shows the points of interest within a greater radius.

   You can repeat this process several times.

Point of interest in a specific city

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **POI Search** button.
3. Touch the **In a City** button.

   The keyboard appears with the **City** input field.



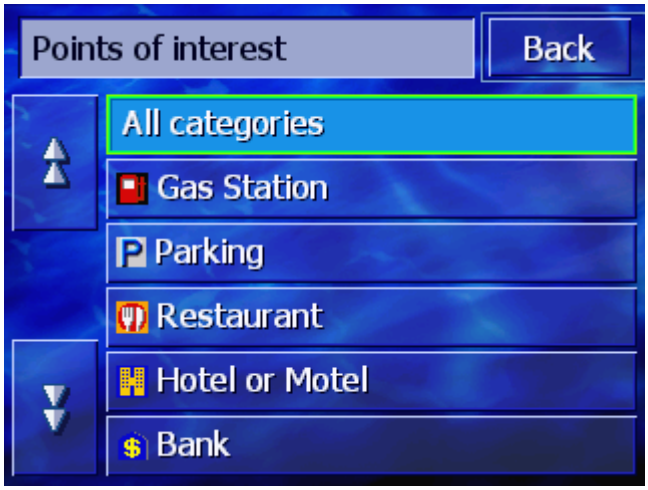
Note: If the **Region** button in the right lower corner of the display does not show the state (province) in which your destination is located, then touch to specify the state (province). (refer to Specifying destination state (province, page 29)

4. Enter the city in which you are looking for a point of interest.

Note: The last 8 cities from the displayed state (province) that you have entered as destination city are listed chronologically. If you want to enter one of these cities, touch entry to select.

5. As soon as the city appears in the list above the keyboard, touch to select.

   The **CATEGORY** window opens.



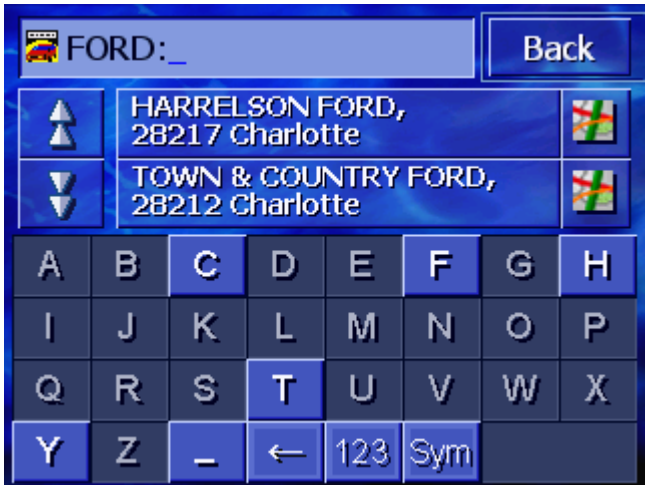
6. Use the **Up** and **Down** keys (or the scrolling wheel) to scroll through the list of categories.
7. Touch the category in which you'd like to find a point of interest.

   The **SUBCATEGORY** window opens. The category that you have chosen is specified at the top.

8. Use the **Up** and **Down** buttons (or the scrolling wheel) to scroll through the list of subcategories.
9. Touch the subcategory in which you'd like to find a point of interest.
   If you do not want to specify a subcategory, touch **All categories** (topmost entry).

   The **POINTS OF INTEREST IN A CITY** window opens. The subcategory that you have just chosen is specified at the top. The keyboard appears below.

   All the destinations of the specified category / subcategory in which the specified city has been found are listed above the keyboard.

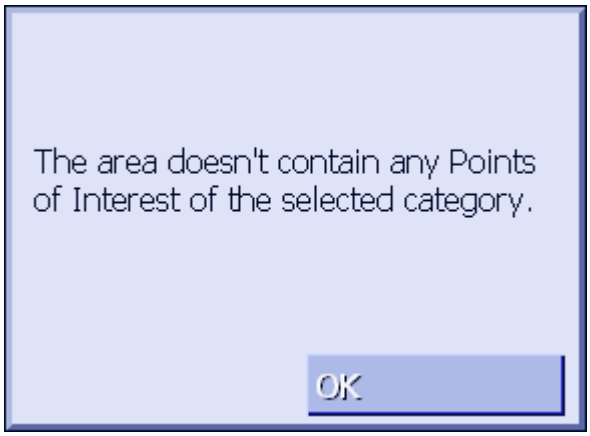


10. Use the **Up** and **Down** buttons (or the scrolling wheel) in order to scroll through the list of points of interest.
11. Touch the point of interest to which you would like to drive.

The route is calculated. When the calculation is completed, route guidance will begin.

No Point of Interest found?

If no point of interest with the specified categories is found in the specified city, then a dialog window appears with the following message:



1. Touch **OK** in order to return to the **SUBCATEGORY** window.

Point of interest of regional significance

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **POI Search** button.
3. Touch the **Nationwide** button.

   The **CATEGORY** window opens.

Note: If the **Region** button in the right lower corner of the display does not show the state (province) in which your destination is located, then touch to specify the state (province). (refer to Specifying destination state (province, page 29)

4. Use the **Up** and **Down** buttons (or the scrolling wheel) in order to scroll through the list of categories.

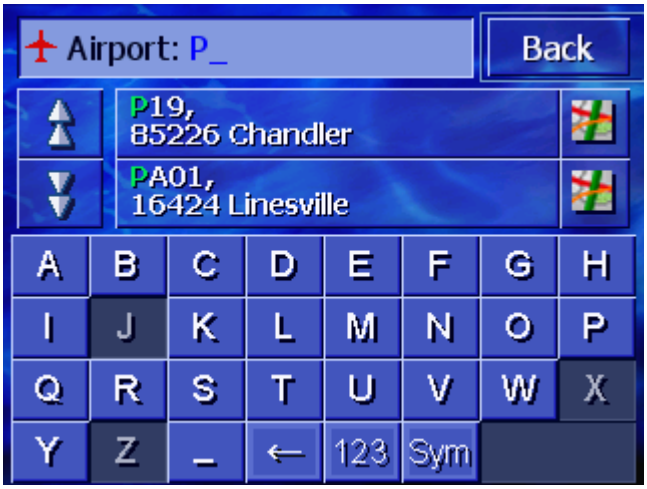
5. Touch the category in which you wish to find a point of interest.
   If you do not want to specify a category, touch **All categories** (topmost entry).

   The **POINTS OF INTEREST NATIONWIDE** window opens. The category that you have chosen is specified at the top.

   The keyboard appears with the entry field for the chosen category.

6. Enter the name of the point of interest either in whole or in part.

   All the destinations of the specified category, the names of which begin with the characters entered or include the characters entered are listed above the keyboard.

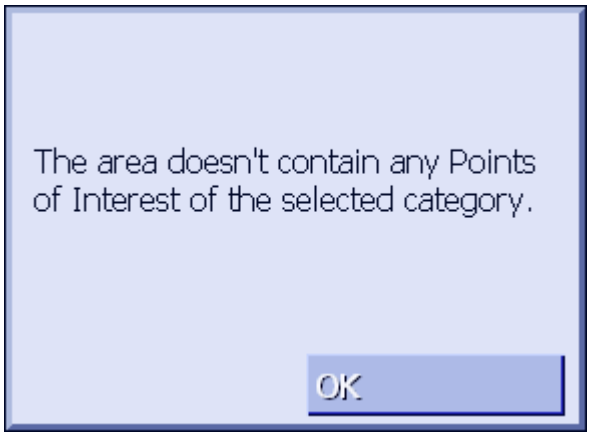


7. Use the **Up** and **Down** buttons (or the scrolling wheel) to scroll through the list of points of interest.
8. Touch the point of interest you would like to drive to.

   The route is calculated. When route calculation is completed, route guidance will begin.

No Point of Interest found?

If no point of interest with the specified category and the name entered is found, then a dialog window appears with the following message:



1. Touch **OK** in order to return to the **CATEGORY** window.

4.3.5 Destination history

Overview

AVIC-S1 saves destinations that you have navigated to before in the list **DESTINATION HISTORY**. You can quickly select these destinations without having to repeat the information that has already been entered once before.

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **Destination History** button.

   The **DESTINATION HISTORY** window opens.

3. Use the **Up** and **Down** buttons (or the scrolling wheel) to scroll through the list.
4. Touch the destination to which you would like to drive.

   The route is calculated. When route calculation is completed, route guidance will begin.

4.3.6 Address book

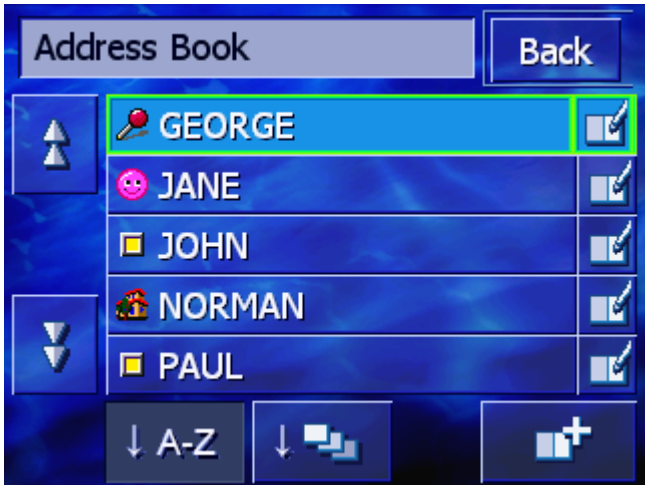
Overview

Destinations which you drive to repeatedly can be stored in the **ADDRESS BOOK**. You can quickly select them without entering the address again.

For details on how to save and edit a destination, refer to chapter "Administering destinations", page 49.

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **Address Book** button.

   The **ADDRESS BOOK** opens.



3. Use the **Up** and **Down** buttons (or the scrolling wheel), to scroll through the list.
4. Touch the destination to which you wish to drive.

   The route is calculated. When route calculation is completed, route guidance will begin.

Changing the Sorting Order

You can sort the entries in the address book alphabetically or by the categories assigned to them.

Sorting the address book alphabetically.

Sorting the address book according to category.

The button for the current sorting order is inactive.

4.3.7 Navigating home

Overview

You can save one address as a home address on the ***AVIC-S1***. Navigation to the home address can be started by touching this button.

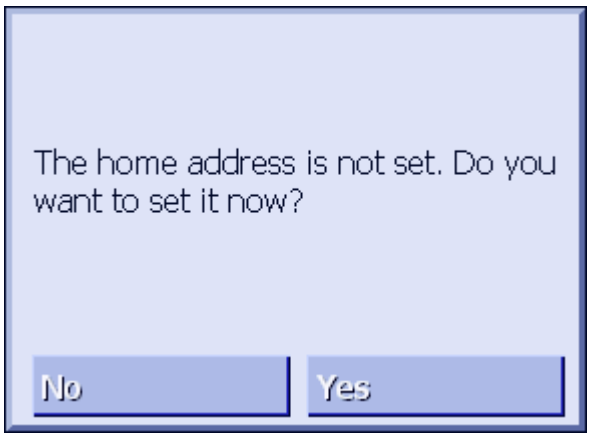
Refer to chapter "Home Address" on page 94 for information on entering your home address.

1. Open the **DESTINATION** window. (Refer to page 28)
2. In the **DESTINATION** window, touch the **Return home** button.

   The route is calculated. When route calculation is completed, route guidance will begin.

Haven't Yet Entered a Home Address?

If you haven't yet entered the home address, a dialog window appears.



1a Touch **Yes**, to enter the home address now.

- OR -

1b Touch **No**, to return to the **DESTINATION** window.

4.3.8 Selecting destinations on the map

With this function you can select a destination directly on the map.

There are two possibilities of starting a destination search on the map:

⇔ Via the standard map view

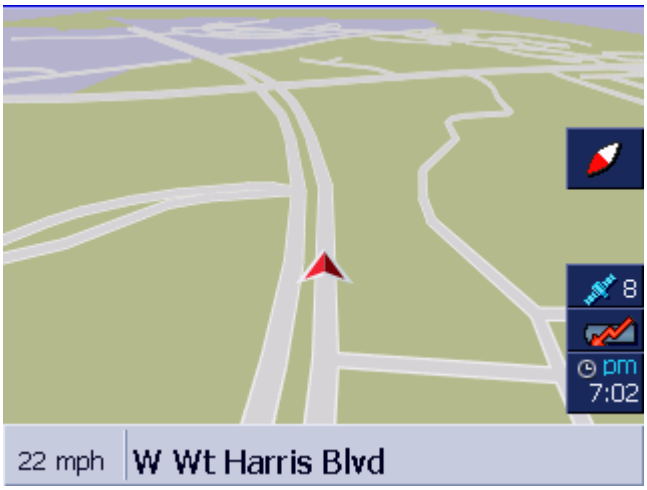
⇔ Via the **Select on map** button

The standard map view option is the easier option.

Via the standard map view

1. If the standard map view isn't opened, then press the **MAP** key beneath the display.

   The map opens.



1a Touch any point in the map.

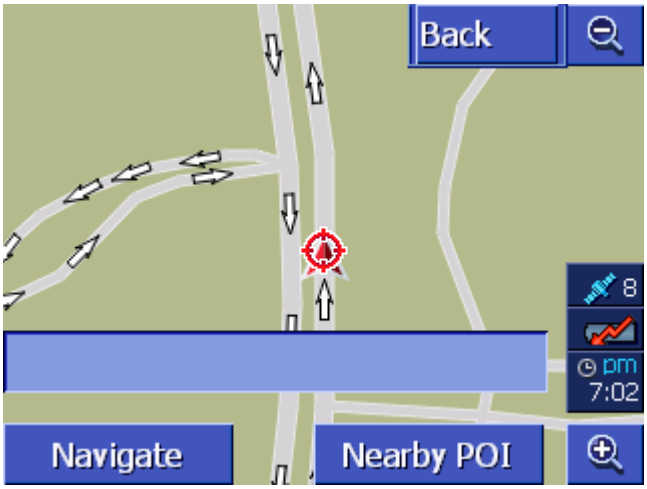
*Select via the **Select on map** button*

1. Open the **DESTINATION** window. (Refer to page 28)

1a In the **DESTINATION** window, touch the **To the right** button.

1b Touch the **Select on map** button.

The map opens in **SEARCH FOR DESTINATION** mode. The uniqueness of this mode is that the address field appears in the lower half of the display.



Your current location is marked by a red triangle. Above the triangle you can see a crosshair.

2. Change the map section that is being displayed in such a way that the point to which you want to navigate is visible on the map.

You will find information about working with the map in chapter "Working with the map" on page 65.

3. Touch briefly on the destination point.

   The crosshair appears at the position you have touched. The name of the street in which your destination is located then appears in the address field. If you have touched on a point of interest, the name of the point of interest appears.

You have the following possibilities:

Navigate

Start navigating to the point under the crosshair.

Nearby POI

Look for a point of interest in the vicinity of the crosshair. Proceed as described in chapter "Point of interest in the vicinity", page 37, as of section 4.

OK

If you have specified a destination for the address book, instead of the **Navigate** button, the **OK** button appears.

Touch to accept the point under the crosshair in the address book.

Add

If you have specified a waypoint, the **Add** button appears instead of the **Navigate** button

Touch to accept the point under the crosshair as the waypoint.

4.4 Administering destinations

Overview

You can save destinations to which you drive frequently in the **ADDRESS BOOK**. They are named here and can be assigned to a group.

Address book entries can be renamed, deleted and assigned to other groups. You can also assign the entry to a different address.

You can view the assigned address on the map.

All the actions start from the **ADDRESS BOOK** window.

4.4.1 Opening the ADDRESS BOOK

Opening the ADDRESS BOOK

The administration of the entries in the address book always starts in the **ADDRESS BOOK** window.

You can open the **ADDRESS BOOK** in the following way:

If the map is visible:

1. Press directly on the center of the scrolling wheel below the display.

If the **DESTINATION** window is open:

1. Touch the **Address Book** button.

If a different window is open:

1. Press the **MAP** key.

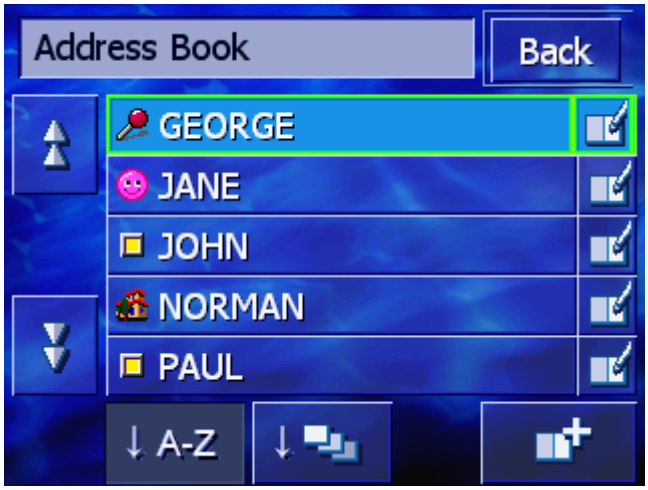
   The map opens.

2. Press directly on the centre of the scrolling wheel below the display.

The **ADDRESS BOOK** is now open.

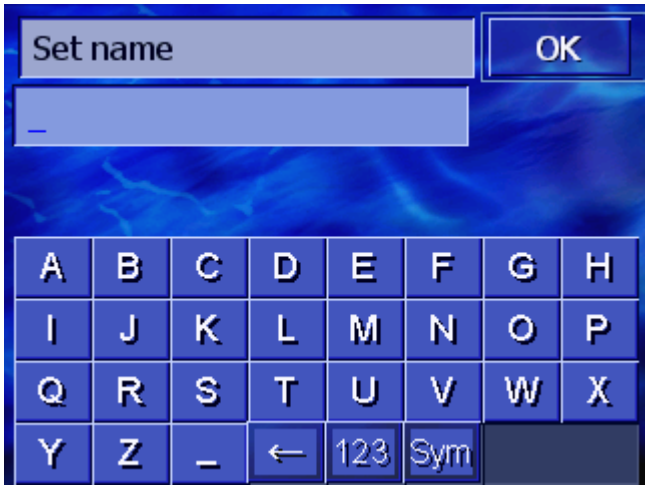
4.4.2 Saving

1. Open the **ADDRESS BOOK**. (Refer to page 49)



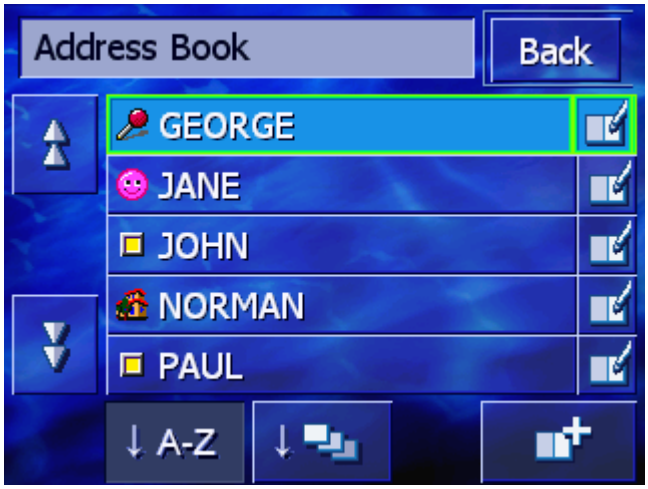
2. Touch the **Add** button.
3. Enter a destination (refer to chapter "Entering a destination", page 28).

   As soon as you have entered a destination, the **SET NAME** window appears.



4. Specify a name for the new entry.
5. Touch the **OK** button.

The **ADDRESS BOOK** window opens.



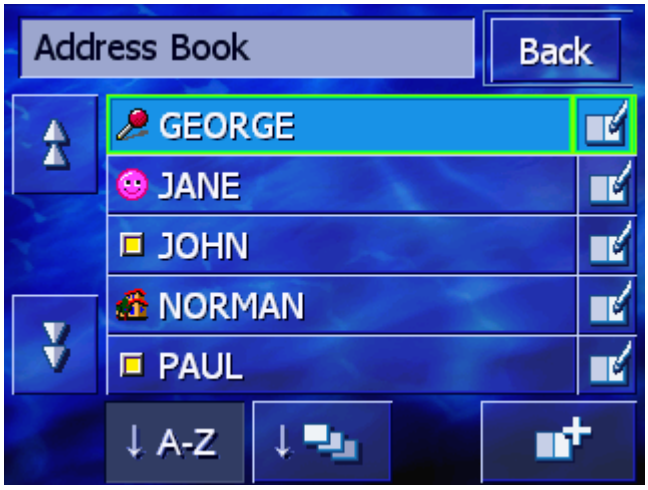
4.4.3 Editing

Overview

Address book entries can be renamed and assigned to a different group. You can also assign the entry to a different address.

Opening the ADRESS BOOK RECORD window

1. Open the **ADDRESS BOOK**. (refer to page 49)



2. Use the **Up** and **Down** buttons (or the scrolling wheel), in order to scroll through the list.

3. Touch the **Editing** button alongside the entry that you wish to edit.

   The **ADDRESS BOOK RECORD** window opens.

Renaming

1. Open the **ADDRESS BOOK RECORD** window for the entry you wish to rename (refer to page 51).

2. Touch the **Name** button.

   The **SET NAME** window opens.

3. Tap repeatedly on the **Delete character** button in order to delete the old name.
4. Enter the new name.
5. Touch the **OK** button.

   The **ADDRESS BOOK RECORD** window opens again.

Close the **ADDRESS BOOK RECORD** window and return to the **ADDRESS BOOK**. The new entry appears in the list.

Assigning a group

Overview

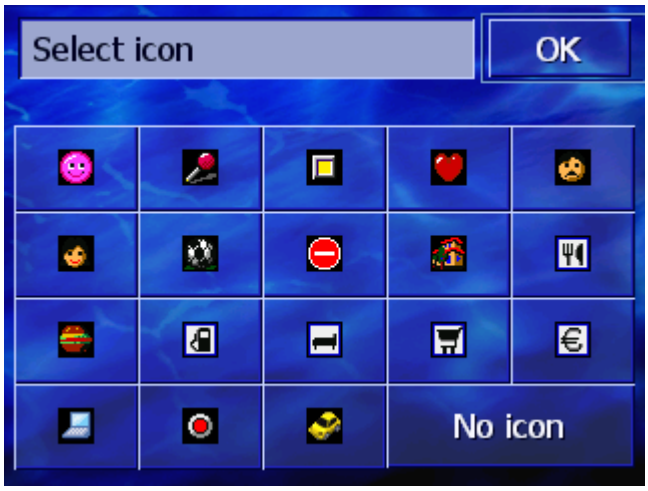
The entries of more extensive address books can be assigned to groups. These groups are labelled with icons.

The address book can be sorted alphabetically or even according to groups.

1. Open the **ADDRESS BOOK RECORD** window for the entry you wish to rename (refer to page 51).

2. Touch the **Icon** button.

   The **SELECT ICON** window opens.



3. Touch the icon of the group to which you wish to assign the entry.
   If you do not wish to assign the entry to a group, then touch the **No Icon** button.
4. Touch the **OK** button.

   The **ADDRESS BOOK RECORD** window opens again.

Close the **ADDRESS BOOK RECORD** window and return to the **ADDRESS BOOK**. The new entry appears in the list.

Changing an address

Overview

You can change the addresses that are assigned to an address book, e.g. if one of your friends moves.

1. Open the **EDITING** window for the entry the assigned address of which you wish to change (refer to page 51).
2. Touch the **Location** button.
3. Enter the new destination (refer to chapter "Entering a destination", page 28).

   The **ADDRESS BOOK RECORD** window opens again.

Back

Close the **EDITING** window and return to the **ADDRESS BOOK**. The new entry appears in the list.

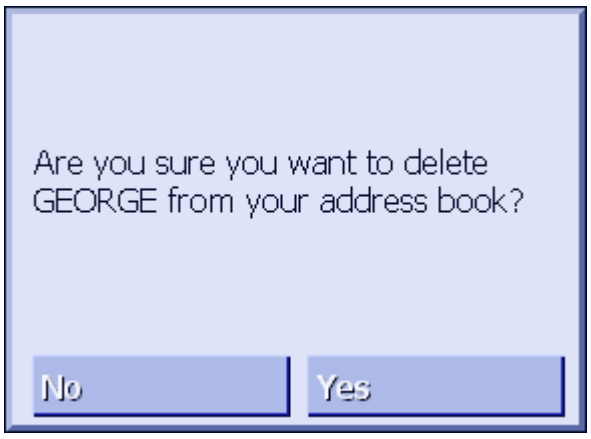
4.4.4 Deleting

1. Open the **ADDRESS BOOK RECORD** window for the entry you wish to delete (refer to page 51).

Delete Record

2. Touch the **Delete Record** button.

   The **CONFIRMATION** window appears.



3. Tap on **Yes**, in order to delete the destination.

   The entry is deleted from the address book.

4.5 Itinerary (with waypoints)

Itinerary planning

You may plan itineraries without receiving GPS signals. Planned itineraries can be stored.

4.5.1 Opening the ITINERARY window

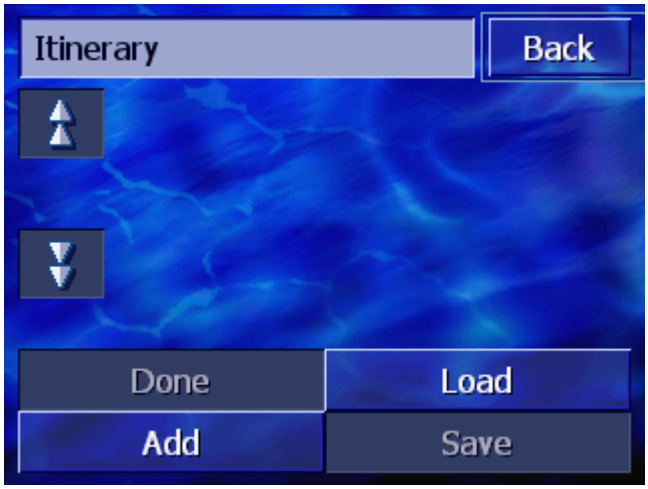
Opening the ITINERARY window

To plan and edit a route you always start in the **ITINERARY** window.

You can open the **ITINERARY** window as follows:

1. Open the **DESTINATION** window. (refer to page 28)
2. In the **DESTINATION** window, touch the **To the right** button.
3. Touch once again the **To the right** button.
4. Then touch the **Itinerary** button.

   The **ITINERARY** window now opens.



Add	Enter the starting point, point of destination and as many waypoints as you wish. (refer to chapter "Indicating waypoints", page 56)
Done	Calculate the route and view the route on the map. (refer to chapter "Calculating the route", page 60)
Load	Download a previously saved route. (refer to chapter "Load route", page 59)
Save	Save a planned route in order to download it again at any point in the future. (refer to chapter "Save route", page 59)

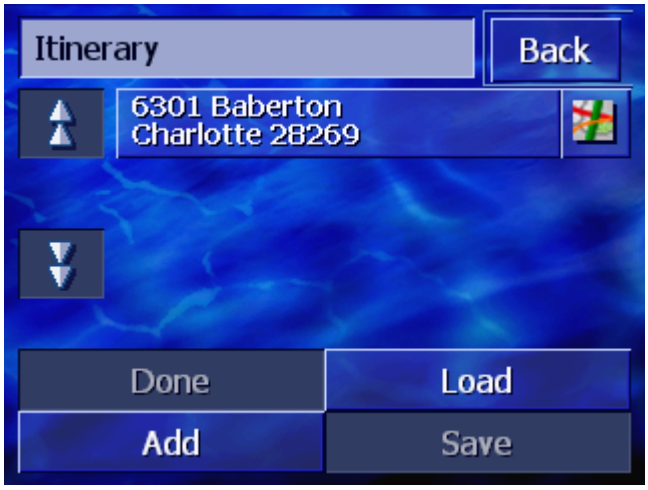
4.5.2 Indicating waypoints

This is how you plan your route…

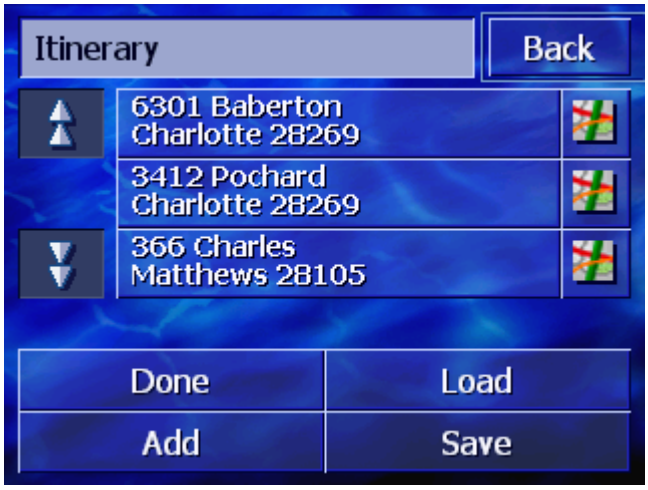
1. Open the **ITINERARY** window. (refer to page 55).
2. Touch the **Add** button in order to specify the first waypoint.

   The **ITINERARY** window opens.
3. Enter the first waypoint (refer to chapter "Entering a destination", page 28)

   The **ITINERARY** window opens again. The specified destination is listed as waypoint 1.



4. Repeat the steps 2 and 3 for any extra waypoints that should be added to the route.



4.5.3 Scrolling through the list of waypoints

You can view a maximum of 3 waypoints on the display. If the list includes more waypoints, to the left alongside the list the two buttons **Up** and **Down** will be activated, and you can use these to scroll.

Up

Touch this button to view the 3 previous waypoints.

Down

Touch this button to view the three following waypoints.

The end of the list may display just one or two waypoints.

4.5.4 Editing the list of waypoints

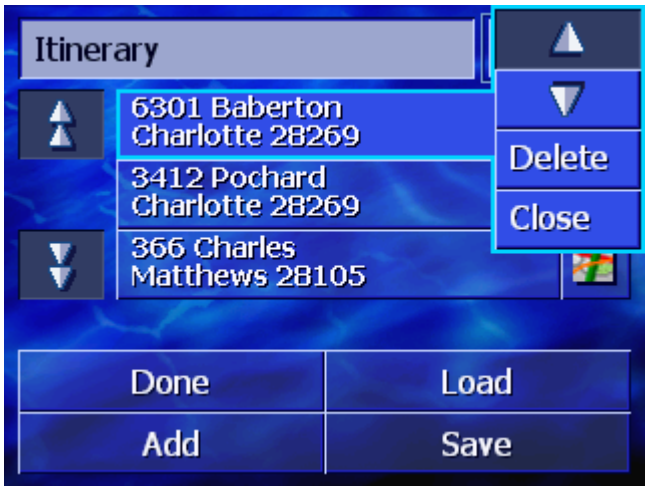
Overview

You can add additional waypoints to the list of waypoints at any time; you can change the order of waypoints, delete waypoints or view the specified waypoints on the map.

Opening the EDIT LIST OF WAYPOINTS menu

1. In the list of waypoints, touch the waypoint that you wish to edit.

   The menu **EDIT LIST OF WAYPOINTS** opens to the right.



   This menu offers the following buttons:

Change the order

Move waypoint to top

Touch this button to navigate to the selected waypoint earlier (example: waypoint 3 becomes waypoint 2).

Move waypoint to bottom

Touch this button to navigate to the respective waypoint later (example: waypoint 2 becomes waypoint 3).

Deleting waypoints

Delete waypoint

Touch this button to delete the selected waypoint from the list.

Close menu

Close menu

Tap on this button to close the menu without changing the list of waypoints.

4.5.5 Managing itineraries

Overview

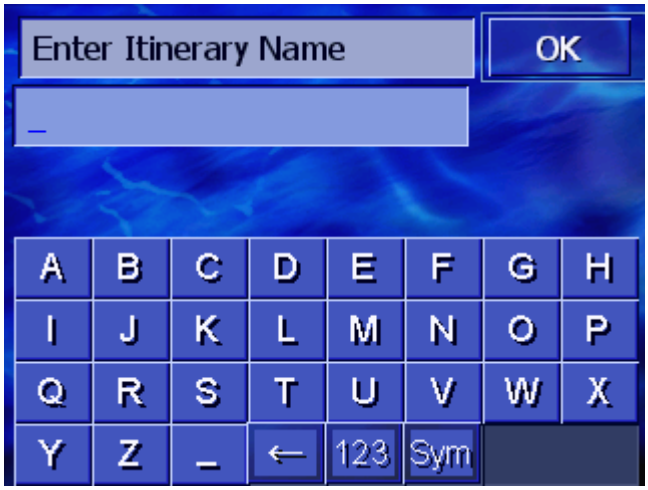
You may plan multiple itineraries. You may save them and use them later for navigation purposes.

The **ITINERARY** window offers the following buttons for this function:

Save route

1. Open the **ITINERARY** window. (refer to page 55).
2. Touch the **Save** button in order to save a new route.

   The **ENTER ITINERARY NAME** window opens.



3. Enter a name for the route.
4. Touch **OK**.

Note: Only waypoints will be saved. When you download a saved route, it will have to be recalculated.

Load route

1. Open the **ITINERARY** window. (refer to page 55).
2. Touch the **Load** button in order to download a saved route that you wish to either edit or navigate to.

   The **LOAD ITINERARY** screen opens:

3. Use the **Up** and **Down** buttons (or the scrolling wheel) to scroll through the list.
4. Touch the route that you wish to download.

   The **ITINERARY** window opens again. The saved waypoints are entered in the list of waypoints.

4.5.6 Calculating the route

A planned routed can also be calculated without GPS reception so that you can get an overview of the route.

In doing so, the first specified waypoint is assumed as the starting point of the route.

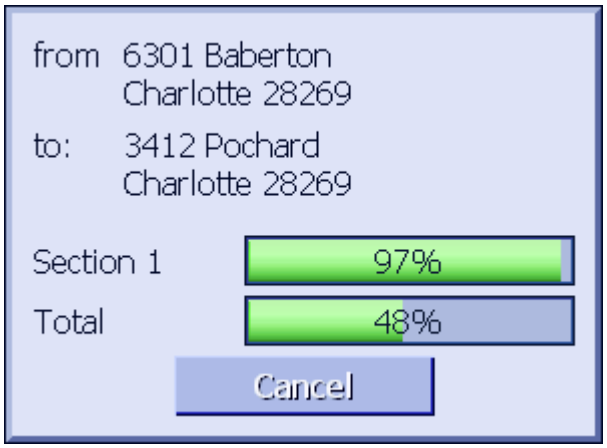
Note: During navigation the current position is the starting point. The first stage is then the drive to the first specified waypoint.

1. Touch the **Done** button in order to calculate the entire route as well as the foreseeable duration of journey.

Note: For the route calculation to the entered destination the settings will be taken into consideration that have been entered in the settings window of the **ROUTE PREFERENCES** window.

To do this, refer to chapter "Route Preferences", page 86.

The route is calculated. A window informs you of the progress of the calculation.



As soon as the route is calculated, the map opens and the route is displayed on the map.

The route is highlighted in green.

The specified waypoints are labelled with little flags.

You have the following options:

Navigate	Launch the navigation to the first waypoint. (refer to chapter "Starting navigation" , page 62)
Det.	Open the **ROUTE DETAILS** window in order to see detailed information regarding the route. (refer to chapter "Displaying information regarding the route", page 61)
Sim.	Simulate a route guidance. (refer to chapter "Simulating a route", page 62)
Back	Return to the **ITINERARY** window.

4.5.7 Displaying information regarding the route

Overview

You can view detailed information about the route, for example driving time and overall route.

Conditions

- ⇔ You have planned or downloaded a route, as described in "Indicating waypoints" on page 53 and "Download routes" on page 56.
- ⇔ The route is calculated as described in "Calculating the route" on page 57 and is displayed on the map.

1. Touch the **Details** button.

   The **ROUTE INFO** window opens.

   The list shows for each waypoint the distance from the previous waypoint and the estimated driving time for this section of the trip.

   In addition, the lower edge of the screen displays the total distance of the route from the first to the last waypoint and the estimated duration of journey for this route.

4.5.8 Simulating a route

Simulation

You can also simulate a navigation.

Note: You do not need GPS reception in order to simulate a route.

Only routes of max. 60 miles in length can be simulated.

Condition

⇔ You have planned or downloaded a route as described in "Indicating waypoints" on page 56 and "Load route" on page 59.

⇔ The route is calculated as described in "Calculating the route" on page 60 and is shown on the map.

1. Touch the **Simulation** button.

   The route is recalculated for the simulation.

   After the calculation the simulation starts.

Stop simulation

The simulation can be ended at any time.

1. Press the **MENU** key beneath the display.
2. In the **DESTINATION** window, tap on the **To the right** button.
3. Touch the **Cancel Route** button.

4.5.9 Starting navigation

Overview

When the GPS signal is sufficient for navigation purposes, you can start route guidance.

Note: During navigation the current position is the starting point. The first stage is then the drive to the first specified waypoint.

Note: The route calculation uses the settings that were established in the **ROUTE PREFERENCES** settings window. You can change the standard settings via the **SETTINGS – ROUTE PREFERENCES** window. You will find detailed information on this in chapter "Route Preferences" on page 86.

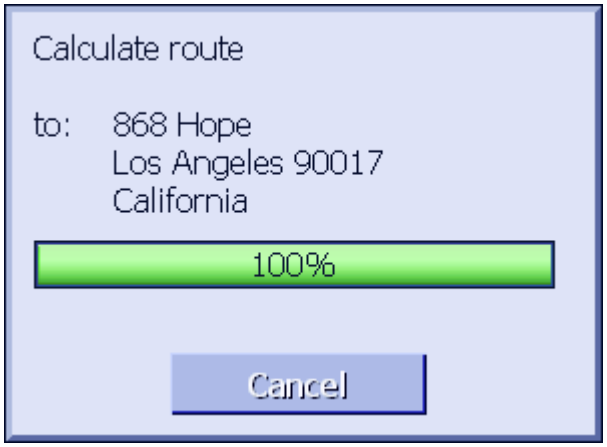
Condition

⇔ You have planned or downloaded a route as is described in "Indicating waypoints" on page 56 and "Download route" on page 59.

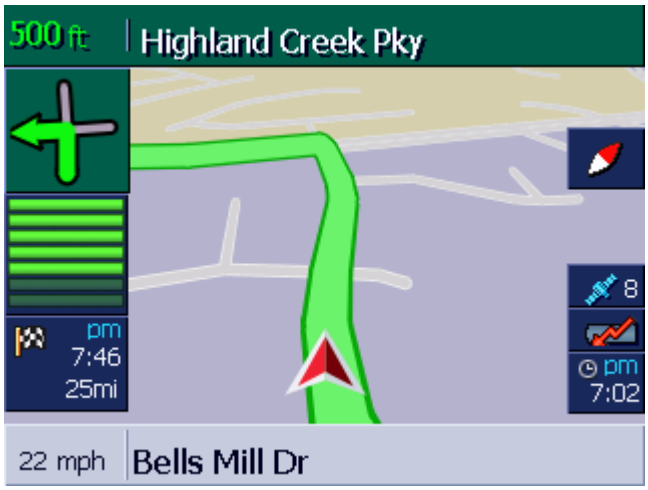
⇔ The route is calculated as described in "Calculating the route" on page 60 and is shown on the map.

1. Touch the **Navigate** button.

   The route is calculated to the first waypoint. A window informs you of the progress of the calculation.



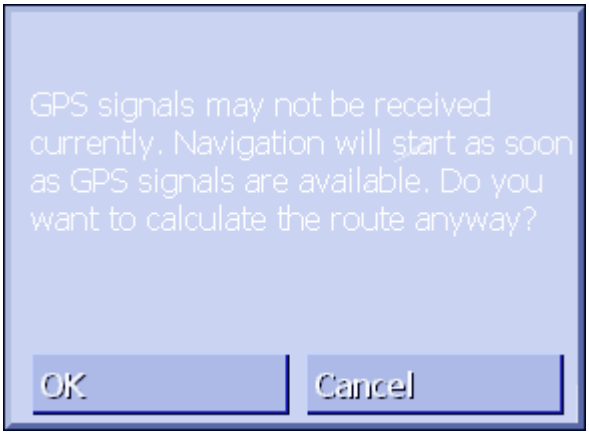
   The map is shown. Your current position is shown by a red triangle. The route is highlighted in green.



   As soon as you arrive at the first waypoint, the message "You have reached your destination" can be heard. The system then automatically calculates the route to the next waypoint and you can continue your journey without interruption.

No GPS Reception?

If there is no GPS signal, the following message appears:



You have the following options:

- ⇔ Wait to get into an area where there is GPS reception. Once you enter this area, route guidance will begin.
- ⇔ Touch **Cancel**. The window you came from reappears. Repeat your last entry later to restart navigation.
- ⇔ Touch **OK**. The system calculates the route. Therefore it assumes the last known position to be the starting point.

  The calculation terminated, the route is shown on the map, with the last known position as starting point. This is useful if the last known position is not far from your current position.

  As soon as GPS-reception is sufficient for navigation purposes, the system recalculates the route and displays it on the map. Now navigation may begin.

5 Working with the map

Topics covered in this chapter:

5.1 Status displays page 66

5.2 Zoom page 68

5.3 Map views page 69
Standard map view
Search for destination view
View destination - map view

5.4 Showing the map during navigation page 73

Overview

The map can be displayed in different views.

Each of these views represents differing functions, but you can zoom and view the status in all of the views.

AVIC-S1 offers you the possibility to display in great detail which information, points of interest and status displays you would like to show on the map.

For more information refer to chapter "Displayed Information" as of page 89.

5.1 Status displays

GPS

GPS

The **GPS** symbol is displayed at the right margin of the map window. The number on the GPS symbol indicates how many GPS satellites are being received. The different symbols have the following meaning:

Symbol	Significance
No Signal	An insufficient number of satellites with adequate signal strength are being received. It is not possible to navigate or perform positioning. This is the case, e.g. if you are located in an indoor parking structure.
GPS ready	Sufficient satellites with adequate signal strength are being received. Navigation can start.

GPS status

Detailed information regarding the current GPS status can be displayed any time in the **GPS STATUS** window. It includes, among others, information about your current location and your current speed.

For a detailed description on how to display the GPS status window refer to chapter "GPS Status" as of page 97.

Energy

The **Energy** symbol is placed at the right margin of the map window. The different symbols have the following significance:

Symbol	Significance
	The device is connected to an external power supply. The battery is charged. The LED on the device shines green.
	The device is connected to an external power supply. The battery is being charged. The LED on the device shines red.
	The device is being supplied by its internal battery. The charge state of the battery is sufficient. The number of blue segments on the battery indicates its charge state (2 or 3 segments).
	The device is being supplied by its internal battery. The charge state of the battery is weak. The number of blue segments on the battery indicates its charge state (0 or 1 segment). A message box informs you when the charge state of the battery becomes insufficient.

Time

Time

The current time is displayed.

5.2 Zoom

Zoom level, Scale

In all views the map can be displayed in various zoom levels. When you have started navigation, the auto-zoom mode is activated: the zoom level adapts automatically, depending on your speed.

When you touch either the **Zoom in** or the **Zoom out** button the zoom level bar displays.

The scale is shown to the left alongside the **Zoom in** button on the lower edge of the display.

A short distance piece shows the reference distance on the display. The number above this indicates which distance this reference refers to in reality.

Zoom out

Touch the **Zoom out** button in order to increase the map scale. The map section shown will become larger but there will be less detail.

Zoom in

Touch the **Zoom in** button in order to reduce the map scale. The map section shown will become smaller but there will be more detail.

Zoom level bar

The red zoom controller shows the current level of zoom.

To the left of the zoom level bar there are some buttons using which you can set a specific map scale.

Note: In all views, zooming is only possible when the map is being displayed in 2D mode.

Note: Once the zoom level has been changed manually, the auto-zoom mode is deactivated.

5.3 Map views

Overview

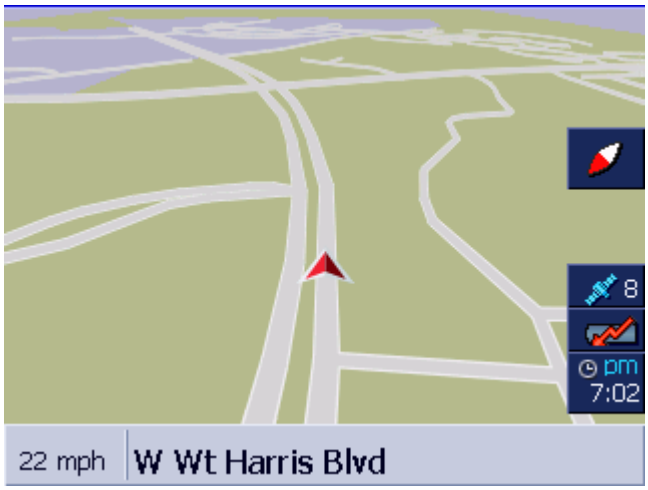
The map can be shown in three different views:

- ⇔ In the **Standard** map view
- ⇔ In the **Search for destination** view
- ⇔ In the **View destination** view

Each of these views makes available different functions that are explained in the pages to come.

5.3.1 Standard map view

The **STANDARD** map view opens when you start navigating. It also opens when you press the **MAP** key.



The following properties are typical for this view:

- ⇔ The current position is shown by a red triangle in the centre of the lower third. When you move, the triangle doesn't change its position on the screen. Instead of this, the map section follows your direction of movement.
- ⇔ The scale of the map changes depending on your speed.

In the **STANDARD** map view, the following buttons are available:

Alignment of the map

Red point shows up (north): the map is aligned so that north is always at the top. Touch the button to align the map in accordance with the driving direction.

Red point is not pointing upwards: the map is aligned so that the driving direction is always at the top. Touch the button to align the map to the north.

Alignment to the driving direction is recommended for the navigation because the directions right and left on the map are then shown exactly as they are in reality.

Note: North alignment is only possible when the map is being displayed in 2D mode. In 3D mode, north alignment is not possible.

Back

The **Back** button is only visible if the zoom level bar is shown.

Touch this button to hide the zoom level bar and maintain the altered map scale.

Autozoom

The **Autozoom** button is only visible if the zoom level bar is showing and the map scale has been changed.

Touch this button so that the map scale is automatically changed according to your speed: if you drive slowly, the map scale becomes smaller, if you drive quickly, the map scale becomes greater.

Show entire route

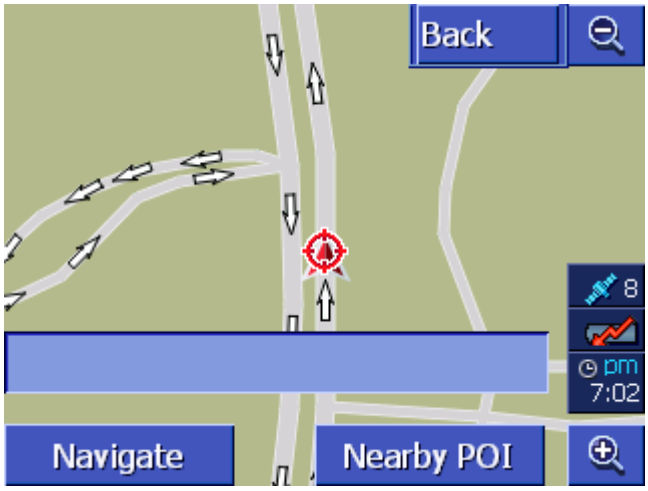
The button is only visible if a route has been calculated. Touch this button to view the entire route in the map.

Note: By touching the map you can quickly change the map view to **Search for destination**. Refer to the next chapter for more information ("Search for destination view" on page 71).

5.3.2 Search for destination view

In the **SEARCH FOR DESTINATION** view you can select a destination directly on the map or gain an overview of a specific area.

For further information on how to select a destination on the map, refer to chapter "Selecting destinations on the map", page 47.



The following properties are typical for this view:

- ⇔ An address field is shown in the lower third of the display.
- ⇔ Your current location is shown by a red triangle. You will see a crosshair above the triangle.
- ⇔ Map is showing north.
- ⇔ The map is fixed and does not follow your position. If you change this view whilst driving, then the triangle that shows your position moves from the screen.
- ⇔ You can move the map in order to view a different map section.

Opening map view SEARCH FOR DESTINATION

You can open the **SEARCH FOR DESTINATION** map view by

- ⇔ Touching the map if in **STANDARD** map view. (refer to "Standard map view" on page 69)
- ⇔ Touching the **Select from map** button in the **DESTINATION** window. (refer to "Selecting destinations on the map", page 47)

Back

Touch this button to return to the window that was active prior to opening the **SEARCH FOR DESTINATION** view.

Autozoom

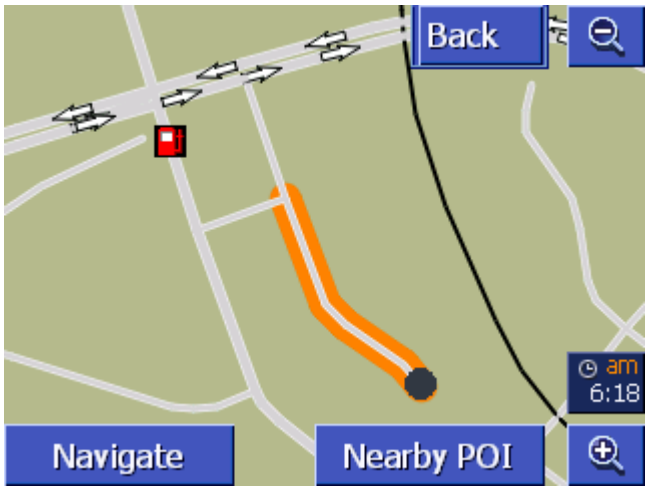
The **Autozoom** button is only visible if the zoom level bar is showing and the map scale has been changed.

Touch this button so that the map scale automatically changes according to your speed: if you drive slowly, the map scale becomes smaller, if you drive quickly, the map scale becomes greater.

Moving the map

You can also move the map in the **Search for destination** view. To do this, touch the map, keep the pen or finger pressed down and move the map area to the desired direction.

5.3.3 View destination - map view



*Open **VIEW DESTINATION** view*

If, in a list, you press on the **Show on map** button to the right alongside a list entry, the map will open in the **VIEW DESTINATION** map view. You can view cities, streets, house numbers, points of interest and recent destinations on the map.

The following properties are typical for this view:

- ⇔ The map is aligned north.
- ⇔ A destination is shown centered on the map. A destination road or a point of interest is marked in orange. House numbers are shown with a black dot.
- ⇔ You can move the map in order to view a different map section.

Back

Touch the **Back** button in order to close the map and return to the previously opened list.

Moving the map

You can also move the map in the **View destination** view. To do this, touch the map, keep the pen or finger pressed down and move the map area to the desired direction.

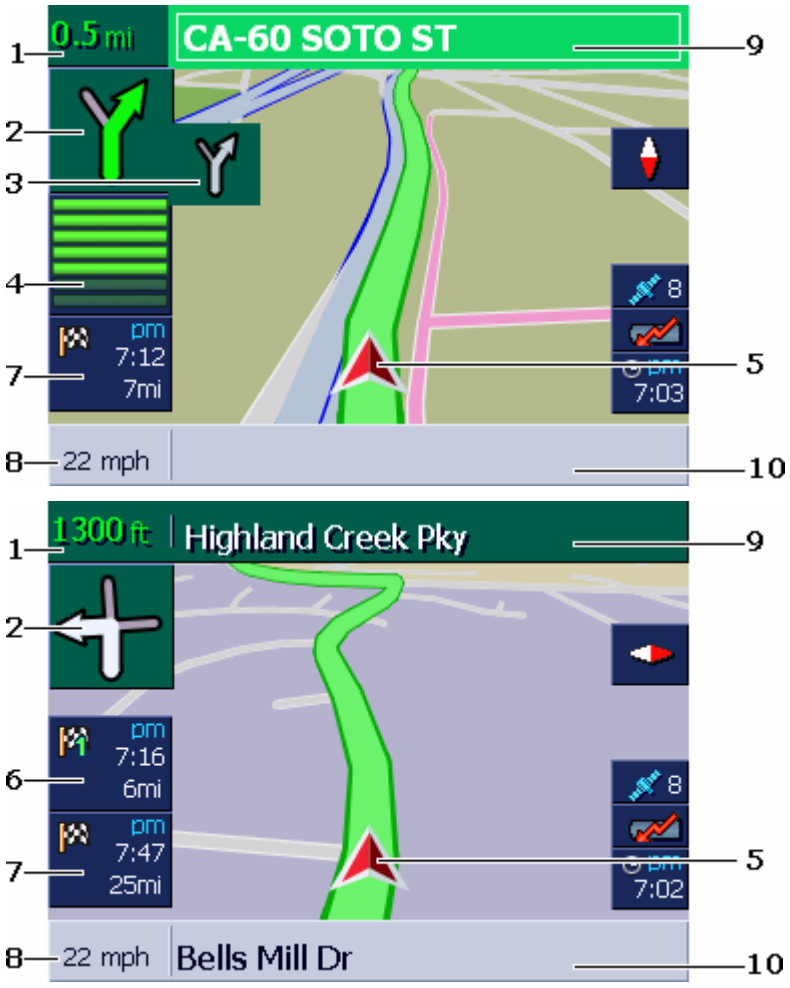
5.4 Showing the map during navigation

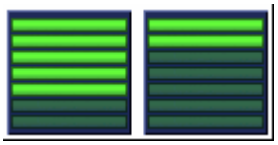
During navigation the map opens in the **STANDARD** view. For the parameters **Map type**, **Autozoom** and **Orientation** you apply the settings that you have specified.

For more information, refer to chapter "Configuring AVIC-S1" on page 83.

Navigation aids

Whilst navigating you will be shown different information that will be of use for the journey.



Area	Information
1	The distance field shows you at what distance the driving manoeuvre shown below should be carried out. If you are supposed to follow a course of the road for several miles, the distance field indicates how far. An arrow beneath this points straight up.
2	In the large arrow field the next driving manoeuvre that is to be performed is shown schematically. If you are supposed to follow a course in the road for several miles, the arrow will be pointing straight up.
3	In the case of driving manoeuvres that are to be carried out quickly in succession, the small arrow field shows the next but one driving manoeuvre.
4	When you are approaching the location where the next manoeuvre is to be carried out, a bar is shown beneath the arrow field.  The closer you come to the crossroads, the less of the bar is shown. You will be prompted to turn approximately when there are no longer any bars.
5	The red triangle shows your position on the map.
6	The "waypoint information" area is only visible when you are navigating on a planned route with at least 2 waypoints. It shows the distance until you reach the next waypoint and, depending on the settings, the foreseeable arrival time or the remaining driving time. You can hide this field. When you are approaching the location for the next driving action, the waypoint information is overlapped by the bar (4).
7	The "destination information" area shows the distance until reaching the driving destination and, depending on the settings, the foreseeable arrival time or the remaining driving time. You can hide this field.
8	Your current speed is shown in the speed field as it is calculated from the GPS position data. The speed is shown in the unit you have set for the ***AVIC-S1***. The speed shown here may slightly differ from your real speed and must therefore not be used as a reference! You can hide this field.
9	The name of the road into which you should turn next is shown in the top road field. If you are supposed to follow specific signs, then these will be shown here.

10	The name of the road in which you are located at the moment is shown in the lower road field. You can hide this field.

For detailed information regarding the settings mentioned above, refer to chapter "Displayed Information" on page 89.

6 Useful functions for navigation

Topics covered in this chapter:

6.1	Waypoints	page 78
6.2	Skip next waypoint	page 78
6.3	Blocking a route section	page 79
6.4	Change route preferences	page 81
6.5	Simulation	page 82

Survey

The following functions are available during navigation or after calculating a planned route:

6.1 Waypoints

Waypoints during navigation

During navigation you can enter a new waypoint at any time. The route is then recalculated so that the next destination will be this waypoint. After reaching the waypoint the guidance to the remaining locations will continue.

This is how you enter a waypoint...

Condition: The map is displayed in **STANDARD** map view.

1. Press the **MENU** key.

   The **DESTINATION** window opens.

2. In the **DESTINATION** window, touch the **To the right** button.
3. Touch once again the **To the right** button.
4. Then touch the **Way Point** button.
5. Enter the waypoint (refer to chapter "Entering a destination", page 28)

   The route is then recalculated and the entered waypoint is approached as the next destination.

6.2 Skip next waypoint

Skip Next Waypoint

Skip Next Waypoint

This function is only available when you are navigating a route with at least two indicated waypoints.

Use this function if you want to skip the next waypoint.

Example: You have planned an itinerary from your office to "Company A" and then to "Company B" and you are already on your way. Before you arrive at "Company A", a mobile phone call informs you that you need not visit "Company A".

Condition: The map is displayed in **STANDARD** map view.

1. Press the **MENU** key.

   The **DESTINATION** window opens.

2. In the **DESTINATION** window, touch the **To the right** button.
3. Touch once again the **To the right** button.
4. Touch the **Skip Next Waypoint** button to navigate to the waypoint after the next (here: "Company B").

   The system recalculates the route. "Company B" will be your next destination.

6.3 Blocking a route section

Blocking a route section manually

You may block a route section manually in order to evade it. Manual blocking forces a recalculation of the route.

Presume that you are driving on a freeway and a radio message announces a traffic jam 4 miles ahead of your current position. With the "Block route sections" function you may instruct the navigation system to evade the announced traffic jam.

A manual blocking is only valid for the current navigation process. The respective route section will be unblocked for the next navigation or when you restart the software.

This is how you block route sections……

This function is only available during navigation.

Condition: The map is displayed in **STANDARD** map view.

1. Press the **MENU** key.

   The **DESTINATION** window opens.

2. In the **DESTINATION** window, touch the **To the right** button.

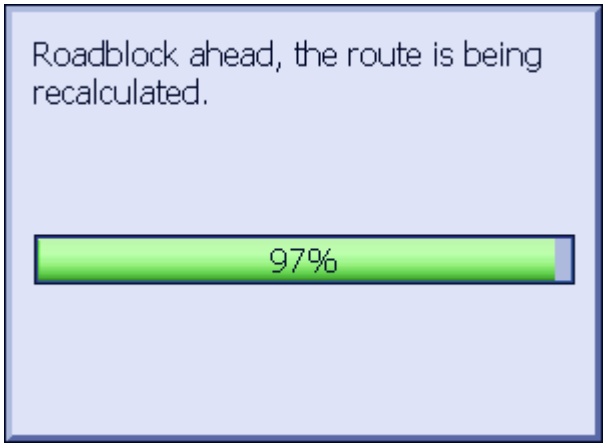
3. Touch once again the **To the right** button..

4. Touch the **Set Blocked Road** button.

   The **SET BLOCKED ROAD** window opens.

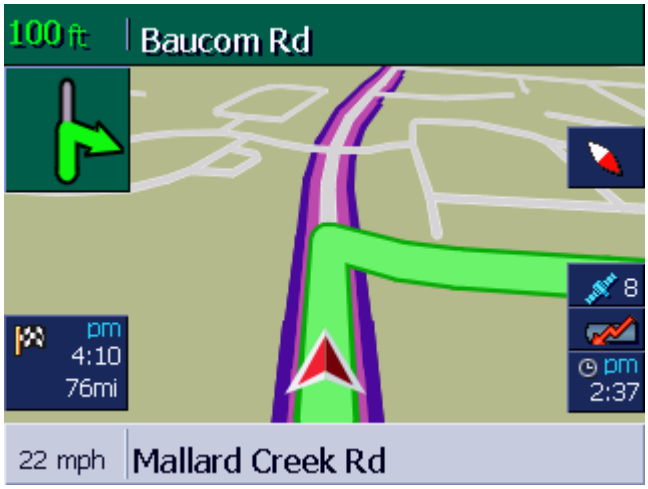
5. By touching the respective button, enter how long the blocked section of road should be.

The route is recalculated.



The **Set Blocked Road** button is now replaced by the **Unblock** button.

6. Press the **MAP** key to reopen the map.



The blocked section of road is shown in violet. The new calculated route is shown in green.

Cancel block

1. Press the **MENU** key.

   The **DESTINATION** window opens.
2. In the **DESTINATION** window, touch the **To the right** button.
3. Touch once again the **To the right** button.
4. Touch the **Unblock** button.

   The block is then cancelled and ***AVIC-S1*** continues to route the originally calculated route.

6.4 Change route preferences

Overview

During navigation you can change the route preferences, perhaps because you now no longer wish to use the freeway.

This is how you change the route preferences…

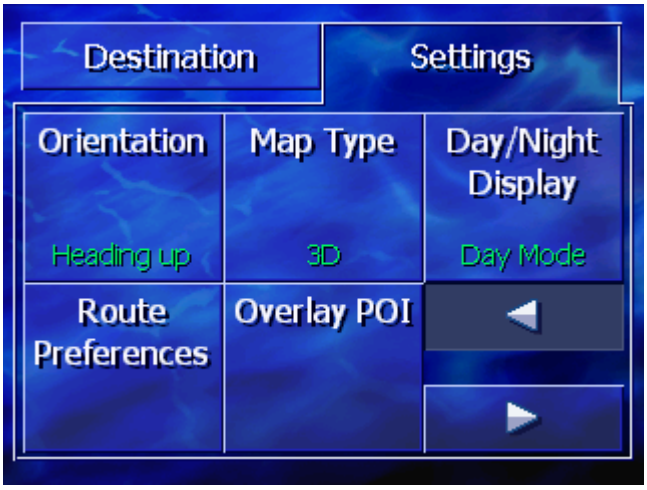
This function is only available during route guidance.

Condition: The map is displayed in **STANDARD** map view.

1. Press the **MENU** key.

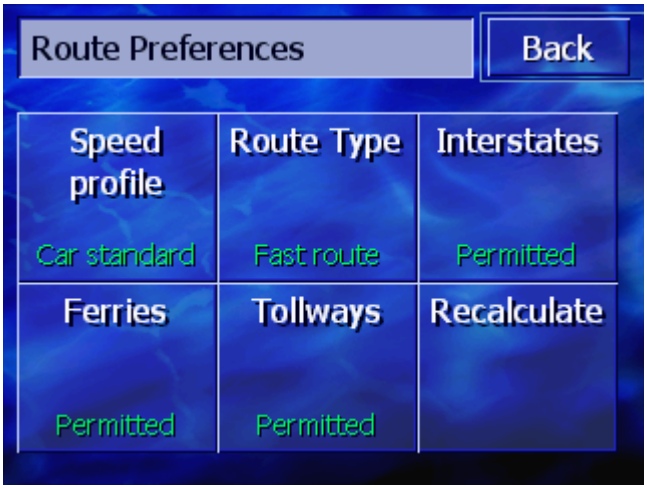
   The **DESTINATION** window opens.
2. In the **DESTINATION** window, tap on the **SETTINGS** tab.

   The **SETTINGS** window opens.



3. Touch the **Route Preferences** button.

The **ROUTE PREFERENCES** window opens.



4. Carry out the desired changes to the routing options.

   Detailed information regarding establishing the routing options can be found in chapter "Configuring AVIC-S1" on page 83.

5. Tap on the **Recalculate** button.

   The route is then recalculated. Navigation then continues while taking into account the new route preferences.

6.5 Simulation

Overview

Once you have planned and calculated a route you can start a simulated route guidance. For more information, refer to chapter "Simulating a route" on page 62.

Note: You do not need GPS reception in order to simulate a route.

Only routes of max. 60 miles in length can be simulated.

7 Configuring AVIC-S1

Topics covered in this chapter:

7.1 Opening the SETTINGS window page 84
7.2 Orientation page 85
7.3 Map Type page 85
7.4 Day / Night Display page 85
7.5 Route Preferences page 86
7.6 Overlay POI page 87
7.7 Displayed Information page 89
Current Time
Current Street Name
Compass
Current Speed
Destination Info
Waypoint Info
Displayed Time
Street names on map (2D)
GPS / current position
Battery Status
7.8 Background page 93
7.9 Autozoom page 93
7.10 Home Address page 94
7.11 Phone Menu page 94
7.12 Hardware page 95
Demo Mode
Click sound
Brightness
Battery Status
GPS Status
7.13 Regional Settings page 98
Language
Time Zone
Time Format
Distance
7.14 Product Information page 100
7.15 Restore Factory Settings page 100

7.1 Opening the SETTINGS window

*Opening the **SETTINGS** window*

Avic-S1 offers a number of setting possibilities with which you can adapt the software to your individual requirements.

To display and change the current settings you always start at the **SETTINGS** window.

You can open the **SETTINGS** window as follows:

If you can see the map:

1. Press the **MENU** key on the lower right of the display.

   The **DESTINATION** tab opens.

2. Tap on the **Settings** tab.

If a different window is opened:

1. Press the **MAP** key.

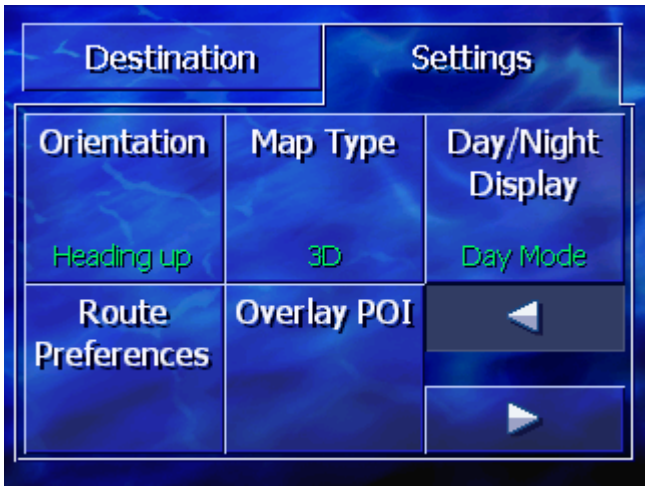
   The map opens.

2. Press the **MENU** key.

   The **DESTINATION** window opens.

3. Tap on the **Settings** tab.

The **SETTINGS** window is now opened.



Touch the **To the right** and **To the left** buttons to view more setting possibilities.

7.2 Orientation

Orientation

Use this setting to establish whether the map should be orientated so that north is always at the top (set to north) or in such a way that the driving direction is always at the top (driving direction).

The current setting is displayed on the button. Touch the button to change the setting.

Setting	Meaning
Heading up	The orientation in driving direction is recommended for navigation because the directions are shown on the map to the right and left just as they are in reality.
North up	The north alignment corresponds to the map orientation on a printed map, but this is impractical for navigation purposes.

7.3 Map Type

Map Type 2D/3D

Use these settings to establish whether the map should be displayed as standard in 3D or 2D.

This setting only affects the map when it is in **Standard** map view. With the views **Search for destination** and **View destination** the map is always shown in 2D (refer to chapter Map views, page 69.)

The current setting is displayed on the button. Touch the button in order to change the setting.

Setting	Meaning
3D	Three-dimensional map view
2D	Two-dimensional map view

7.4 Day / Night Display

Day / Night Display

With this setting you can establish whether the map should be displayed in **day** or **night** view. This setting also effects the brightness of the screen.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Day Mode	Shows the map in the **Day** view and switches the device´s screen to day mode.
Night Mode	Shows the map in **Night** view and switches the device´s screen to night mode.

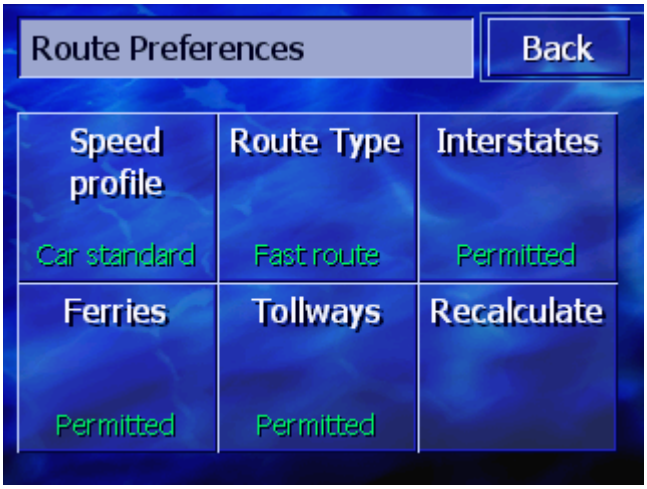
7.5 Route Preferences

Route Preferences

In the **ROUTE PREFERENCES** window you can specify your driving profile and establish the type of route that should be calculated as standard. The setting carried out here effects the calculation of the probably driving time.

1. Touch the **Route Preferences** button.

   The **ROUTE PREFERENCES** window opens.



Speed Profile

The current setting is displayed on the button.

1. Touch the button in order to open the **SPEED PROFILE**.
2. Touch the profile that corresponds to your driving profile.

   The **ROUTE PREFERENCES** window is displayed again.

Route Type

The current setting is displayed on the button.

3. Touch the **Route Type** button in order to toggle between the various modes:

Option	Meaning
Fast route	This option calculates the shortest route in terms of time.
Short route	This option calculates the shortest route in terms of distance.

Interstates, Ferries, Tollways

The current setting is displayed on the respective button.

4. Touch the buttons **Interstates**, **Ferries** and **Tollways** in succession and establish whether these should be integrated or avoided in the route calculation.

Option	Meaning
Permitted	With this option the respective road type will be incorporated in the calculation of the route.
Avoid	With this option, the respective road type will be avoided if possible.
Forbidden	With this option, the respective road type will not be incorporated in the calculation of the route.

Recalculate

This button is only available during navigation and after a route calculation during route planning if the settings are changed.

5. Touch the **Recalculate** button in order to recalculate the route based on the changed settings.

Please refer to chapter "Change route preferences" on page 81.

7.6 Overlay POI

Overlay POI

In **OVERLAY POI**, you can establish which point of interest categories should be displayed on the map. If a category also has subcategories you can also select individual subcategories.

1. Touch **Overlay POI**.

   The **OVERLOI POI** window opens.

The current setting is shown in the box to the right alongside the respective point of interest:

⇔ : This category will be shown on the map.

⇔ : This category will not be shown on the map.

⇔ : This category includes subcategories of which one or more will not be shown on the map.

Show all categories

Touch the **All** button in order to show all the points of interest on the map.

Show no categories

Touch the **None** button in order to show no points of interest on the map.

Show / hide specific categories / subcategories

Categories without subcategories:

Touch the box for the respective category in order to activate (box with checkmark) or deactivate (empty box) the display.

Categories with subcategories:

1. Touch the box for the respective category.

A window opens with all the subcategories of the chosen category.

Touch the **All** button in order to show the category in the map.

- or -

Touch the **None** button in order not to show the category in the map.

- or -

Touch the button for the respective subcategory in order to activate (box with checkmark ☑) or deactivate (empty box ☐) its display.

Then touch the **Back** button.

7.7 Displayed Information

Displayed Information

In **DISPLAYED INFORMATION** you can establish which information will be displayed on the map. The majority of this information is only relevant for the navigation and is only available in the map view whilst navigating.

Refer also to chapter "Showing the map during navigation" on page 73.

1. Touch **Displayed Information**.

   The **DISPLAYED INFORMATION** window opens.

Touch the **To the right** and **To the left** buttons in order to view additional setting possibilities.

You can carry out the following settings in the **DISPLAYED INFORMATION** window:

7.7.1 Current Time

Current time

With this setting you can establish whether the map should show the current time.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Show	The current time is shown.
Hide	The current time is not shown.

7.7.2 Current Street Name

Current street name

With this setting you can establish whether the name of the street on which you are currently driving should be displayed.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Show	The street name of the street on which you are currently driving is shown.
Hide	The street name of the street on which you are currently driving is not shown.

7.7.3 Compass

Compass

With this setting you can establish whether a compass should be shown on the map.

It is practical to show the compass during navigation if the map is driving direction.

If the map is shown in 2D during navigation, by tapping on the compass you can switch between **North alignment** and **Drivin direction**.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Show	The compass is shown.
Hide	The compass is not shown.

7.7.4 Current Speed

Current Speed

With this setting you establish whether the map should show your current speed as is calculated from the GPS positioning data. The speed is shown in the unit you have specified for the ***AVIC-S1***. (refer to "Distance", page 100)

The current setting is shown on the button. Touch the button in order to change the setting.

Setting	Meaning
Show	Your current speed will be shown.
Hide	Your current speed will not be shown.

7.7.5 Destination Info

Destination Info

With this setting you can establish whether the distance left until you reach the destination and, depending on setting, the probable arrival time or the remaining driving time should be shown. (Refer to "Displayed Time", page 91)

The current setting is shown on the button. Touch the button in order to change the setting.

Setting	Meaning
Show	The destination information will be shown.
Hide	The destination information will not be shown.

7.7.6 Waypoint Info

Waypoint Info

This information is only visible if you are navigating a route that has at least two indicated waypoints.

With this setting you establish whether the distance left until you reach the next waypoint and, depending on setting, the estimated time of arrival or the remaining driving time should be shown. (Refer to "Displayed Time", page 91)

The current setting is shown on the button. Touch the button in order to to change the setting.

Setting	Meaning
Show	The waypoint information is shown.
Hide	The waypoint information is not shown.

7.7.7 Displayed Time

Displayed Time

If you have set the display of destination information and waypoint information you can use this setting to establish which information should be shown in addition to the distance. (See Destination Info, page 91 and Waypoint Info, page 91)

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Arrival	The probable time of arrival is shown above the distance display.
Duration	The remaining driving time is shown above the distance display.

7.7.8 Street names on map (2D)

Street names on map

With this setting you establish whether the street names should be shown on the map. This display can be useful if you are looking for a specific street as a destination.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Show	The street names will be shown.
Hide	The street names will not be shown.

7.7.9 GPS / current position

GPS / current position

With this setting you establish whether the GPS symbol should be shown on the map. The GPS symbol offers information regarding whether the received signal is sufficient and strong enough for navigating or positioning.

For more information on the GPS symbol, refer to the chapter "Status displays" on page 66.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Show	The GPS symbol will be shown.
Hide	The GPS symbol will not be shown.

You can view detailed information regarding the GPS status at any time in the **GPS STATUS** window. To do this read chapter "GPS Status" on page 97.

7.7.10 Battery Status

Battery Status

With this setting you can establish whether the battery symbol should be shown on the map. The battery symbol gives you information as the charge status of the battery.

For more information on the battery symbol, refer to chapter "Status displays" on page 66.

The current setting is shown on the button. Touch the button in order to change the setting.

Setting	Meaning
Show	The battery symbol will be shown.
Hide	The battery symbol will not be shown.

You can also obtain detailed information about the current battery status in the **BATTERY STATUS** window. To do this refer to chapter "Battery Status" on page 97.

7.8 Background

Background

In the **BACKGROUND** settings window you can select a different graphic that you can use as a background graphic for your software.

The current setting is shown on the button.

1. Touch the button in order to open the **BACKGROUND** window.
2. Touch the graphic (skin) that you would like to use as a background.

   The **BACKGROUND** window closes. The new background graphic can now be used.

   Repeat the process if you are not happy with your choice and wish to try out a different graphic.

7.9 Autozoom

Autozoom

This setting only affects the map when it is in the **Standard** map view, and if the map is shown in 2D.

With this setting you can establish whether during a navigation with 2D display should have a **high autozoom**, **standard autozoom** or **low autozoom**.

Autozoom means that the zoom intensity changes depending on your speed: if you drive slowly, the scale reduces. Drive quicker and the scale increases.

The more intense the autozoom, the smaller the map´s scale.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Standard	Standard autozoom
High	High autozoom
Low	Low autozoom

7.10 Home Address

Home Address

In the **HOME ADDRESS** settings window you can specify your home address and therefore you can also quickly navigate from any location to your home.

1. Touch the **Home address** button.

   The **HOME ADDRESS** window opens.

2. Touch the **Change** button and enter your home address. (Refer to chapter "Entering a destination", page 28)

   The address is now shown in the **HOME ADDRESS** window.

7.11 Phone Menu

Phone Menu

A telephone application is installed on your device. With this aid of this you can connect your mobile telephone to the device via Bluetooth. Once a connection is created, in the case of incoming calls the telephone application is automatically displayed on top of the navigation. This way, whilst navigating you can use the device as a hands free unit and accept incoming calls. Using the telephone application you can also make calls and view incoming, made or missed calls.

1. Touch the **Phone Menu** button in order to open the telephone application and generate a Bluetooth connection with your mobile telephone.

Refer to the "User manual part 2 (Hardware and Bluetooth" on the DVD for detailed information on how to use the telephone application.

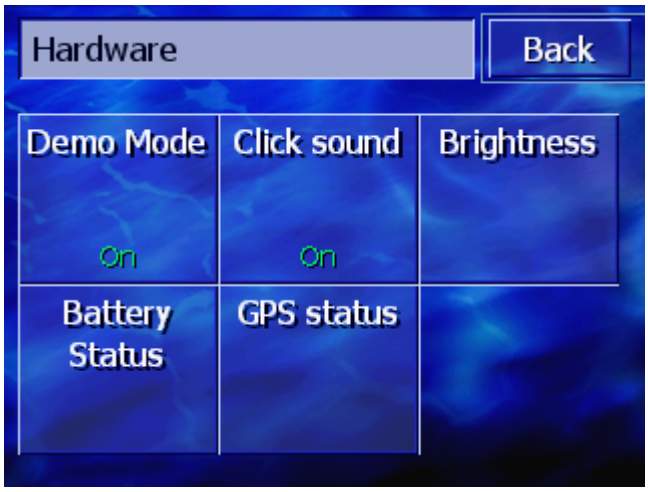
7.12 Hardware

Hardware

In the **HARDWARE** settings window you can carry out some hardware-specific settings and view detailed information regarding the current GPS and battery status.

1. Touch the **Hardware** button.

   The **HARDWARE** window opens.



You can carry out the following settings in the **HARDWARE** window:

7.12.1 Demo Mode

Demo Mode

With this setting you can establish whether the demo mode should be launched if you do not operate the device for more than 5 minutes and you are not currently navigating.

Demo mode plays a brief overview of the ***AVIC-S1*** range of options. You can cancel this by tapping anywhere on the touchscreen.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
On	Demo mode is switched on.
Off	Demo mode is switched off.

7.12.2 Click sound

Click sound

With this setting you can establish whether there should be a click sound when tapping on the device's touch screen or not.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
On	Click sound is switched on.
Off	Click sound is switched off.

7.12.3 Brightness

Brightness

In the **BRIGHTNESS** settings window you can establish the brightness for the daylight and nighttime display.

1. Touch the **Brightness** button.

   The **BRIGHTNESS** window opens.

Brightness day

The current degree of brightness is displayed between the two buttons "-" and "+".

⇔ Touch the "+" button to increase the value.

⇔ Touch the "-" button to reduce the value.

Brightness night

The current degree of brightness is displayed between the two buttons "-" and "+".

⇔ Touch the "+" button to increase the value.

⇔ Touch the "-" button to reduce the value.

Touch **Back** in order to close the **BRIGHTNESS** window.

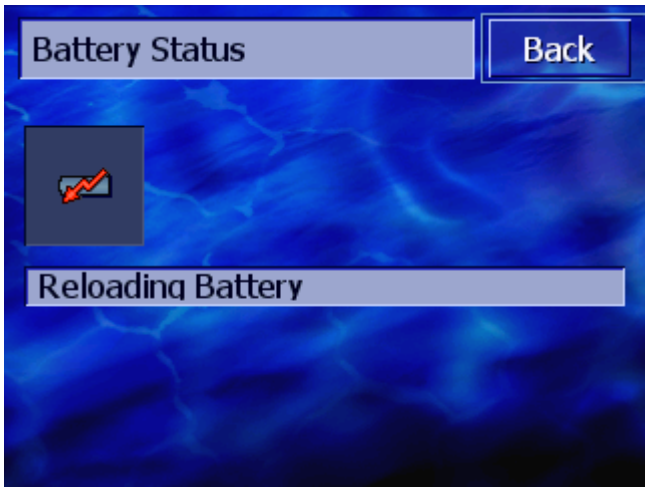
7.12.4 Battery Status

Battery Status

The **BATTERY STATUS** window includes information regarding the current charge status of the battery.

1. Touch the **Battery Status** button.

   The **BATTERY STATUS** window opens.



The battery symbol shows the current charge status. The meaning of the symbol is displayed as text beneath it.

The battery symbol is the same one that is shown in the map when its display is set, refer to "Battery Status", page 92).

Touch the **Back** button to close the **BATTERY STATUS** window.

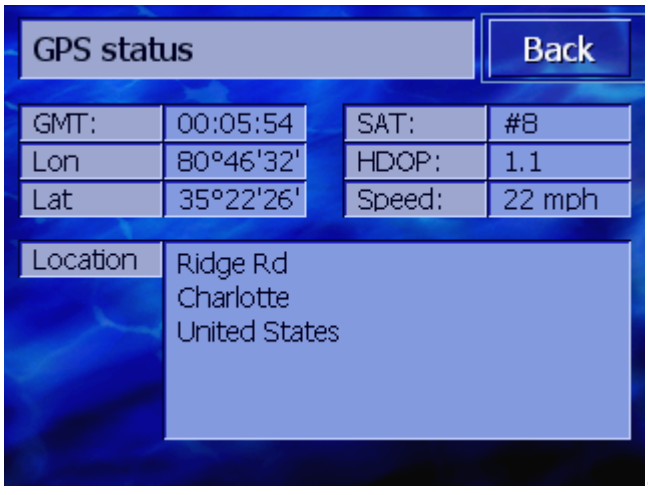
7.12.5 GPS Status

GPS Status

The **GPS STATUS** window includes information regarding your current location and your present speed.

1. Touch the **GPS Status** button.

   The **GPS STATUS** window opens.



Information	Meaning
GMT	**G**reenwich **M**ean **T**ime London time without summertime.
Lon/Lat	Current position. Specifies the East longitudinal and north latitudinal degrees.
Satellites	Number of receiving satellites. For navigation, the signals require at least three satellites.
HDOP	**H**orizontal **D**ilution **o**f **P**recision Indicates the quality of the positioning. Theoretically, values from 0 to 50 are possible, whereby it follows: the smaller the value, the more precise the positioning (value 0= no deviation from the actual position). Values up to 8 are acceptable for navigation purposes.
Speed	Shows the current speed of the vehicle.
Location	Shows the current location.

Tap on the **Back** button to close the **GPS STATUS** window.

7.13 Regional Settings

Regional Settings

In the **REGIONAL SETTINGS** settings window you can change the basic settings, e.g. language and time zone, that you specified when you first started the navigation system (refer to "Basic settings", page 13).

1. Touch the **Regional Settings** button.

   The **REGIONAL SETTINGS** window opens.

In the **REGIONAL SETTINGS** window you can carry out the following settings:

7.13.1 Language

Language

With this setting you specify the language the user interface of the software and the spoken driving directions should be.

The current setting is shown on the button.

1. Touch the button to open the **LANGUAGE** window.
2. Touch the language in which you wish to operate the system. You can scroll through the list using the **Up** and **Down** keys.

   If your language is not displayed, touch the **More / Más / Plus** button to view more languages.

   As soon as you select the language an information window opens that informs you that need to restart the machine.
3. Touch the **OK** button.

   The system switches off and then back on again. The chosen language is used for the user interface and the speech instructions.

7.13.2 Time Zone

Time Zone

With this setting you can establish valid time zones for your location. This setting is important for the correct calculation of probable arrival times.

Touch the button to open the **TIME ZONE** window.

Time Zone

The current setting is shown on the button.

1. Touch the button to open the **TIME ZONE** window.
2. Touch the time zone that applies to your location. Use **Up** and **Down** to scroll through the list. The display of the major cities of the respective time zone should help you to choose the correct one.

   The **TIME ZONE** window is shown again.

Daylight Saving Time

The current setting is shown on the button.

3. Touch the **Daylight saving time** button to change the setting:

Setting	Meaning
On	Daylight saving time is switched on
Off	Daylight saving time is switched off

7.13.3 Time Format

Time Format

With this setting you establish which units of measurement should be used for times.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
24h	Displays the time in 12-hour format.
12h	Displays the time in 24-hour format.

7.13.4 Distance

Distance

With this setting you establish which units of measurement should be used for the distances.

The current setting is shown on the button. Touch the button to change the setting.

Setting	Meaning
Kilometres	Displays the distances in kilometres.
Miles	Displays the distances in miles.

7.14 Product Information

Product Information

The name and version of the software is displayed in the **PRODUCT INFORMATION** settings window.

Touch the button to open the **PRODUCT INFORMATION** window.

Guided Tour

Touch the **Guided Tour** button to have the most important functions of the software explained.

7.15 Restore Factory Settings

Restore Factory Settings

Use this setting to restore to factory settings.

Touch the button to restore the factory settings.

8 Appendix

Topics covered in this chapter:

8.1 Appendix A: Restoring the Software and Map page 102
Restoring the software
Restoring the map

8.1 Appendix A: Restoring the Software and Map

Overview

If the software and / or map are damaged, perhaps because the navigation device has been subject to strong electromagnetic radiation, you can reinstall both of them.

On the supplied DVD you'll find an ***Installer Tool***, which guides you through the software and map installation.

Note: The files can be copied either via a card reading device or via an ***ActiveSync*** connection. Copying via a card reading device takes considerably less time.

If you want to copy files via an ***ActiveSync*** connection, please first ensure that you have installed the **Pioneer Sync Manager**, which you can find on the supplied DVD.

8.1.1 Restoring the software

Via USB

1. Connect the navigation device to your PC via the USB cable.
2. Insert the ***AVIC-S1*** DVD in your DVD ROM drive.

   The ***Installer Tool*** starts automatically.
3. Select your language.
4. Click on **Upgrade / Restore Application**.
5. Click on **MS ActiveSync®**.
6. Follow the on-screen instructions.

Note: If the ***Installer Tool*** does not start automatically, open Windows Explorer. Select the directory for your DVD drive and double-click on the "Setup.exe" file.

Via card reader

1. Insert a memory card with at least 70 MB free memory in your card reader.
2. Insert the supplied DVD in your DVD ROM drive.

   The ***Installer Tool*** starts automatically.
3. Select your language.
4. Click on **Upgrade / Restore Application**.
5. Click on **SD card**.
6. Follow the on-screen instructions.

   Once the installation files have been copied to the memory card you will be basked to insert the memory card in the navigation device.
7. Insert the memory card in your device.
8. Switch on your navigation device.
9. The software installation starts automatically.

Note: If the ***Installer Tool*** does not start automatically, open Windows Explorer. Select the directory for your DVD drive and

double-click on the "Setup.exe" file.

8.1.2 Restoring the map

Via ActiveSync

1. Connect your navigation device to your PC via ***ActiveSync***.
2. Insert the ***AVIC-S1*** DVD in your DVD ROM drive.

   The ***Installer Tool*** starts automatically.
3. Select your language.
4. Click on **Upgrade / Restore Map**.
5. Click on **MS ActiveSync®**.
6. Follow the on-screen instructions.

Note: If the ***Installer Tool*** does not start automatically, open Windows Explorer. Select the directory for your DVD drive and double-click on the "Setup.exe" file.

Via card reader

1. Insert a memory card with sufficient free memory into your card reader.
2. Insert the ***AVIC-S1*** DVD in your DVD ROM drive.

   The ***Installer Tool*** starts automatically.
3. Select your language.
4. Click on **Upgrade / Restore Map**.
5. Click on **SD card**.
6. Follow the on-screen instructions.
7. After copying the map to the memory card, insert the memory card in your navigation device.

Note: You don't need to copy the map from the memory card to the device; you can also download the map directly from your memory card. To do this, tap on No when after inserting the memory card in your navigation device you are asked if you would like to copy the map to the device.

9 Glossary

GMT

GMT (**G**reenwich **M**ean **T**ime) is the mean solar time at the Royal Greenwich Observatory in Greenwich near London, England, which by convention is at 0 degrees geographic longitude. Theoretically, noon Greenwich Mean Time is the moment when the Sun crosses the Greenwich meridian (and reaches its highest point in the sky in Greenwich). Up to 1972, GMT was the global time standard. Because of the Earth's uneven speed in its elliptic orbit, GMT has been replaced by UTC (**U**niversal **T**ime **C**oordinated) which is an ultra stable time standard based on atomic clocks.

GPS

The GPS (**G**lobal **P**ositioning **S**ystem) is based on 24 satellites that are in orbit round the earth. They are permanently emitting the time and their current position. The GPS receiver receives this information and calculates the longitude and the latitude of its own current position.

The signals of at least three satellites are needed to determine the longitude and the latitude. With the signals of at least four satellites the elevation may be calculated, too. The determination has an accuracy of about 3 yards.

HDOP

The **H**orizontal **D**ilution **o**f **P**recision (HDOP) indicates the quality of position determination. Theoretically any value from 0 to 50 is possible. The smaller the value is, the more accurate is the position determination (value 0 = no deviation from the actual position). Values up to 8 are convenient for street navigation.

POI

Point **o**f **I**nterest (POI). See ➔Point of Interest.

Point of Interest

Points of Interest are covered by the map and may be displayed on it. Harbors, airports, restaurants, hotels, gas stations, public buildings, and others belong to the special destinations. You may determine special destinations as itinerary points for navigation purposes.

10 Index

2

2D/3D 85

A

Activate 7
Arrangement of the Manual 6
Autozoom 93
AVIC-S1
  Start 27

B

Background 93
Basic Settings 13
Battery 92
  Charge 12
  Charging Status 12
  Status 67
Battery Status 97
Blocking 79
Brightness 96
Button 7

C

Click sound 96
Compass 90
Conventions in the Manual 6
Current 89, 90
Current Speed 90
Current Time 67

D

Day / Night Display 85
Demo Mode 95
Destination
  Address book 45
  Destination History 44
  Home Address 46
  Points of interest 37
    In a City 40
    Nationwide 42
    Nearby 37
  Recent destinations 44
  Select on map 47
Destination Info 91
Destinations
  Administer 49
Details 61
Dialog Window 7
Display 7
Displayed Information 89
Displayed Time 91
Distance 100
Distance Unit 16

E

Energy 67

G

GMT 98
GPS 10, 92
  GPS symbol 66
  Signals 10
GPS Status 97
Guided Tour 100

H

Hardware 95
HDOP 98
Highlight 7
Home Address 46, 94

I

Input Field 7
Introduction 16
Itinerary 55

K

Key 7
Keyboard 21

L

Language 14, 99
List of waypoints 57

M

Manual
  Arrangement 6

Conventions 6
Symbols 6
Map
2D/3D 85
Autozoom 70, 72
Buttons 70
Day / Night Display 85
Displayed Information 89
Map 85
Moving 72, 73
Orientation 85
Overlay POI 87
Route information 73
Search for destination 71
Show Entire Route 70
Standard view 69
Using 69
View destination on map 72
Zoom in 68
Zoom level bar 68
Zoom out 68

N

Navigation
Change route preferences 81
No GPS Reception 64
Navigation aids 73
Navigation System
Switching On 13
Next destination 78

O

Orientation 85
Overlay POI 87

P

Phone Menu 94
POI 37
Points of interest 37
In a City 40
Nationwide 42
Nearby 37
Power supply 12
Product Information 100

R

Regional Settings 98
Restore Factory Settings 100
Route
Calculate 60
Details 61
Download 59
Save 59
Simulate 62, 82
Route information 73
Route planning 55
Route Preferences 86
Route section
Block 79
Unblock 81
Routes
Editing the list of waypoints 57
Manage 58

S

Scrolling Wheel 7
Select 7
Settings
2D/3D 85
Autozoom 93
Background 93
Battery Status 92, 97
Brightness 96
Click sound 96
Compass 90
Current Speed 90
Current street name 90
Current time 89
Day / Night Display 85
Demo Mode 95
Destination Info 91
Displayed Information 89
Battery Status 92
Compass 90
Current Speed 90
Current street name 90
Current time 89
Destination Info 91
Displayed Time 91
GPS / current position 92
Street names on map 92
Waypoint Info 91
Displayed time 91
Distance 100
Distance Unit 16
GPS / current position 92
GPS Status 97
Hardware 95
Battery Status 97
Brightness 96
Click sound 96
Demo Mode 95
GPS Status 97
Home Address 94
Introduction 16
Language 99
Map Type 85

Orientation 85
Overlay POI 87
Phone Menu 94
Product Information 100
Guided Tour 100
Regional Settings 98
Distance 100
Language 99
Time Zone 99, 100
Restore Factory Settings 100
Route Preferences 86
Route Type 86
Speed Profile 86
Skins 93
Street names on map 92
Summer Time 15
Time Format 15, 100
Time Zone 99
Waypoint Info 91
Simulation 62, 82
Stop 62
Skins 93
Software Keyboard 21
Speed profile 86
Street names on map 92
Summer Time 15
Switching on 13
Symbol 7
Symbols in the Manual 6

T

Tab 7
Terminology 7
Activate 7
Button 7
Dialog Window 7
Display 7
Hard Key 7
Highlight 7
Input Field 7
Scrolling Wheel 7
Select 7
Symbol 7
Tab 7
Window 7
Terms 7
Terms Used 7
Time 67
Time Format 15, 100
Time Zone 15, 99

U

Unblocking 81

W

Waypoint
Next destination 78
Skip next waypoint 78
Waypoint Info 91
Waypoints 78
Window 7