

# clarion®

**Owner's manual**

*MAP560*

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*MAP360*

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■ **Navigation**

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# 1 Introduction

## Topics covered in this chapter:

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| 1.3 Trademarks                        | page 5 |

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## 1.1 Search facilities and conventions

---

### *Find information quickly*

This manual offers the following search facilities:




- ⇔ In the footnote at the bottom of the page, you may check which chapter and which section you are actually reading.
- ⇔ A glossary at the end of the manual contains explanations on the technical terms used in this manual.
- ⇔ An index at the end of the manual allows precise search for the information contained in this manual.

### *Conventions*

This manual uses different font styles and symbols to highlight important paragraphs and to ease its use.

| Font                            | Use  |
|---------------------------------|--|
| <b>bold</b>                     | Buttons, icons, names of entry fields, and elements of the software's user interface. Also used for highlighting warnings and notices.                           |
| <b><i>bold italic</i></b>       | Registered names and trademarks.   |
| <b>SMALL CAPITALS</b>           | Window and dialogue box titles.  |
| <u><i>underlined italic</i></u> | The name of the user mode which is concerned by the current section. You need not read sections that don't concern the user mode you are currently working with. |

| Symbol  | Use   |
|---|---|
|  | Indicates hints and notes that may ease the use of <b><i>Mobile Map</i></b> . |
|  | Indicates additional information.   |
|  | Warns against dangers that might cause damage to objects and persons.         |

## 1.2 Liability

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### *Limitation of liability*

The software and the manual are subject to change without notice. Clarion 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.

## 1.3 Trademarks

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### *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 labelling of registered trademarks does not allow the conclusion that this brand was not subject to the rights of third party.

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





## 2 Before you begin

### Topics covered in this chapter:

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|     | Safety information on the installation in the vehicle |        |

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## 2.1 The basic principle of navigation

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### *Mobile Map*

The time of complicated and frustrating inquiries on the right way in folded maps is over. From now on **Mobile Map**, your navigation system, will guide you, based on satellite information, quickly and safely to your destination.

### *GPS-based navigation*

The **Global Positioning System** (GPS) has originally been developed in the 70ies, as a weapon guidance system for the American forces.

The GPS is based on 24 satellites, which are in orbit round the earth and which are permanently emitting signals. The GPS receiver receives these signals and calculates, based on the runtime of the signals, his distance from the respective satellites. This information serves for calculation your current geographic 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.

### *Navigation with GPS*

The delivered maps contain the geographic coordinates of the points of interest, streets and towns they represent. Thus the navigation system can calculate a route from a given start point to a given destination point.

In case your navigation system receives the signals of at least three satellites it may determine your current position and represent it on the map. This position may then serve as start point for navigation purposes.

As the determination and representation of your position is carried out once a second, you may watch your movements on the map.

## 2.2 Important safety information

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*Note*

In your own interest, read the following notices and safety information carefully before starting up your navigation system.

### 2.2.1 Safety information on navigation

---

Use of **Mobile Map** is executed at your own risk.



**Caution:** To protect yourself and others from accidents please do not operate the navigation system while driving!

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**Caution:** You must not look at the display except when it is absolutely safe to do so!

---



**Caution:** The road layout and the traffic signs are absolutely prior to the instructions of the navigation system.

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**Caution:** You must not follow the instructions of **Mobile Map** except when the circumstances and the road traffic regulations allow doing so. **Mobile Map** will guide you to your destination even when you have left your planned itinerary.

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**Note:** We recommend effecting route planning before beginning the journey. If you are on the road and you want to establish a new itinerary, please drive to the next parking site!

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**Note:** If you have not understood the instructions or if you are not sure about what to do next you may quickly refer to the map or arrow view of your navigation system.

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### 2.2.2 Safety information on handling the PNA

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**Caution:** As it is not waterproof, do not expose your navigation device to water! For example, protect it from rain, snow or hail when you are on your way by bike or on foot.

---



**Caution:** Disconnect the navigation device from the power supply when you are leaving the car parked for a long period of time. Failure to do so might result in a dead battery since the internal GPS receiver constantly consumes electricity.

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**Note:** Do not use any harsh solvents for cleaning the PNA. A damp, lint-free cloth is sufficient!

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**Note:** Do not unplug by pulling the cable. This might damage the cable!

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### **2.2.3 Safety information on the installation in the vehicle**

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**Caution:** Do not fix the holder within the deployment zone of airbags.

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**Caution:** When you install the holder, please check that it may not constitute any safety risk, even in case of an accident.

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# 3 Operating the navigation software

## Topics covered in this chapter:

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## 3.1 Software keyboard

### Survey

A software keyboard appears at the bottom of the screen when text entries are necessary. Choose the character keyboard or the mobile phone keyboard.



Select a software keyboard by tapping the respective icon at the right hand side of the screen. The icon of the active keyboard appears pressed.


### 3.1.1 Character keyboard




You may carry out all entries with your finger on the character 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. **Mobile Map** replaces these characters automatically. When you are looking for, e.g., a French town called "Héroinès", simply type "HEROINES".


*Entering a space,  
deleting a  
character...*

Tap the  icon to enter a space character.

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

*Switching between  
character and  
number entry...*

Tap the  icon to enter numbers, e.g. for a postcode.

Tap the  icon to return to the character entry mode.

*Special characters*

Tap the **Sym** icon to enter a special character.  
The special characters keyboard appears.



As soon as you have entered a special character the letter keyboard reappears.

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

*Moving the cursor*

If you want to delete another character than the one to the left of the cursor position, or if you want to insert a character at another place than at the end of the text, you have to move the cursor to the respective place.

Just tap the place where you want to have the cursor.

### 3.1.2 Mobile phone keyboard

---




You may carry out all entries with your finger on the mobile phone keyboard. But you may enter capital letters only.


As on a mobile phone, each key is designed to enter several letters with it. The position of a letter on a key caption indicates how often you must tap this key to enter the respective letter.

E.g., to enter an "S", tap the "PQRS" key four times.


You need not enter small letters or special characters when entering a destination's town or street name. **Mobile Map** replaces these characters automatically. When you are looking for, e.g., a French town called "Héroïnès", simply type "HEROINES".


*Entering a space, deleting a character...*

Tap the  icon to enter a space character.

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

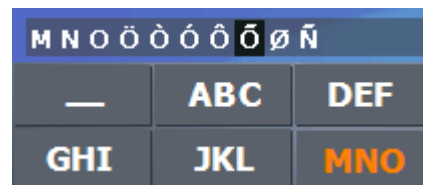
*Switching between character and number entry...*

Tap the  icon to enter numbers, e.g. for a postcode.

Tap the  icon to return to the character entry mode.

*Special characters*

When you tap a key, a line above the software keyboard appears which lists all characters that may be entered by this key. The active character is highlighted.



If, e.g., you want to type "Ø", tap the "MNO" key repeatedly until "Ø" is highlighted in the line above the software keyboard.

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

*Moving the cursor*

If you want to delete another character than the one to the left of the cursor position, or if you want to insert a character at another place than at the end of the text, you have to move the cursor to the respective place.

Just tap the place where you want to have the cursor.

## 3.2 Command buttons

---

*Icons*

The following buttons appear at the bottom of every **Mobile Map** screen:



### Return

Tap this icon to return to the previous screen. This icon is not available on the **MAIN SCREEN**.






### Main screen

Tap this icon to open the main screen. This icon is not available on the **MAIN SCREEN**.

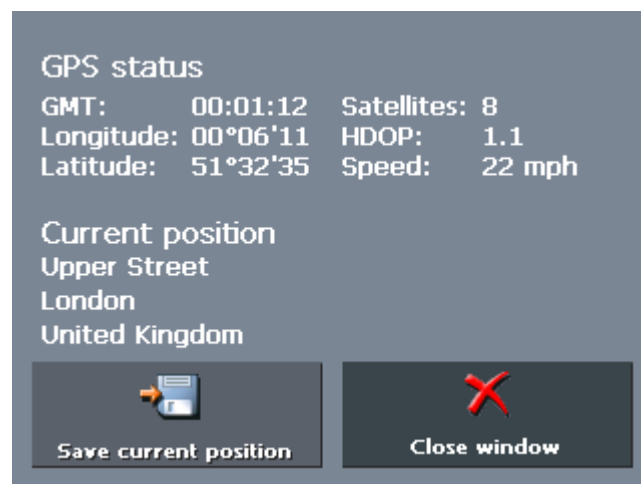


## GPS

The **GPS** symbol is placed at the bottom of the screen. The different GPS-icons have the following significance:

| Symbol  | Significance  |
|---|---|
| <br><b>No GPS</b>    | The GPS receiver is switched off<br>- OR –<br>an external GPS receiver is not connected correctly.  |
| <br><b>No signal</b> | A GPS receiver is connected, but the received signals are not convenient for navigation purposes (e.g. because you are in a closed building). |
| <br><b>GPS ready</b> | The signals are convenient. Navigation may begin.   |

Tap the **GPS** icon to display the current GPS status:







| Entry                | Significance   |
|----------------------|--|
| GMT                  | <b>Greenwich Mean Time</b><br>Time of London ignoring daylight saving time.                        |
| Longitude / Latitude | Current position:<br>Indication of east longitude and north latitude.                              |
| Satellites           | Number of received satellites. At least three satellites must be received for navigation purposes. |

| Entry    | Significance  |
|----------|---|
| HDOP     | <b>Horizontal Dilution of Precision:</b><br>Indicates the quality of position determination. Theoretically any value from 0 to 50 may occur. The smaller the value, the more accurate is the position determination (value 0 = no deviation from the real position). Values up to 8 are convenient for navigation purposes. |
| Speed    | Indicates your current speed.   |
| Position | Indicates the address of your current position.   |
| Save     | Tap this button to add the current address to the <b>FAVOURITES</b> .   |
| Quit     | Tap this button to quit the GPS screen.   |

### Energy

The **Energy** icon is placed at the bottom right corner of the screen. The colour of the icon and the symbol displayed on it have the following significance:

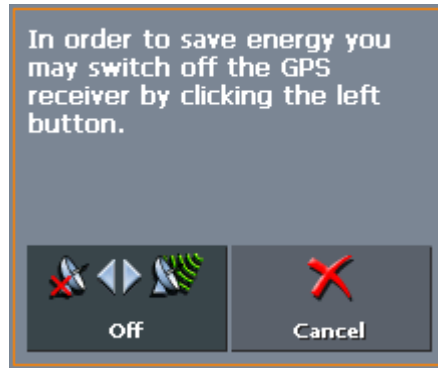
| Colour/Symbol   | Significance   |
|---|--|
|  | The device is connected to an external power supply. The battery is charged. The LED on the device shines green.   |
|  | The device is connected to an external power supply. The battery is being charged. The LED on the device shines red.   |
|  | The device is being supplied by its internal battery. The charge state of the battery is sufficient. The number of green 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 green segments on the battery indicates its charge state (0 or 1 segment).<br>A message window informs you when the charge state of the battery becomes insufficient. |

### Switching the GPS receiver on / off

The GPS receiver consumes energy. This is of significance when the system is operated in battery mode, e.g. when you are on your way on foot or by bike. Switch therefore the GPS receiver off when you do not need it for a certain time.

1. Tap the **Energy** icon on the lower right corner of any screen.

The **ENERGY** screen opens:



2. Tap the **Off** button to switch the GPS receiver off.
3. When the GPS-symbol in the upper right corner becomes red, tap the **Cancel** button.




---

**Note:** Switching the GPS receiver on works the same way.

---

### 3.2.1 Command buttons with caption

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#### *Command buttons*

You will find command buttons with captions on almost every screen of **Mobile Map**. There is three groups of command buttons:

1. Command buttons with a defined functionality.

These buttons are designed to execute a functionality, which is indicated by their caption. They are normally buttons like **Save**, **OK**, **Cancel**, **Select map**, **One destination** etc.

2. Buttons to select one of two possibilities.

These buttons are designed to select one of two possibilities. Normally, the current state is indicated by the caption of the button. They are normally buttons like **User mode**, **Yes-No**, **On-Off**.

When you tap one of these buttons, the caption switches to the other possibility. This change must be confirmed by clicking another button (normally **OK** or **Save**) before the current screen closes.

### 3. Buttons to enter data.

Subsequently, these buttons will be referred to as entry fields. The caption either your last entry or **<please select>**. They are buttons like **Town, Street, Category** (of a POI) etc.

When you tap an entry field, another screen with a software keyboard, a list, or with both of them opens where you can make your entries. This entry must be confirmed by clicking another button (normally **OK** or **Save**) before the entry screen closes. Your entry becomes then the caption of the entry field.

For information on the use of the keyboard, please refer to „Software keyboard“, page 12.

For information on working with lists, please refer to "Lists", page 18.



## 3.3 Lists

---

### *Survey*

There are many cases where you have to select an entry from a list.

If, for example, you have not completely entered the name of a town before tapping **OK**, a list appears which contains all towns beginning with your entry or having it into their names. The postcode of the towns is also indicated in order to allow you to choose the correct one if there is more than one town with the same name.

### *Entry with focus*

One of the entries has the focus. This entry is written in bold. Moreover, there is often some additional information on that entry in a 2<sup>nd</sup> or 3<sup>rd</sup> line. In a list of towns, there is indicated the county the respective town belongs to.

### *Icons*



At the right hand side of lists, there are three icons:

**OK:** Tap this icon to confirm the selection of the entry with the focus (which is placed directly at the left of the OK icon).

**Up:** Tap this icon to scroll the list one item up.

**Down:** Tap this icon to scroll the list one item down.

*Example*

Search for BICKNOR.

1. In the **MAIN MENU** tap **One destination**.

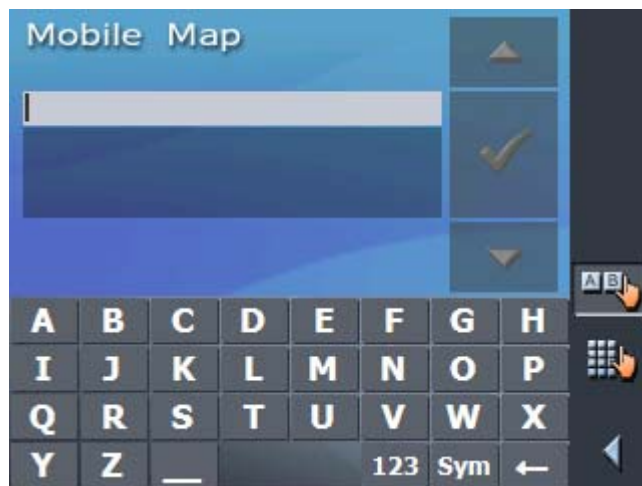
The **DESTINATION** screen opens.

2. Tap **Address**.

The **ADDRESS** screen opens.

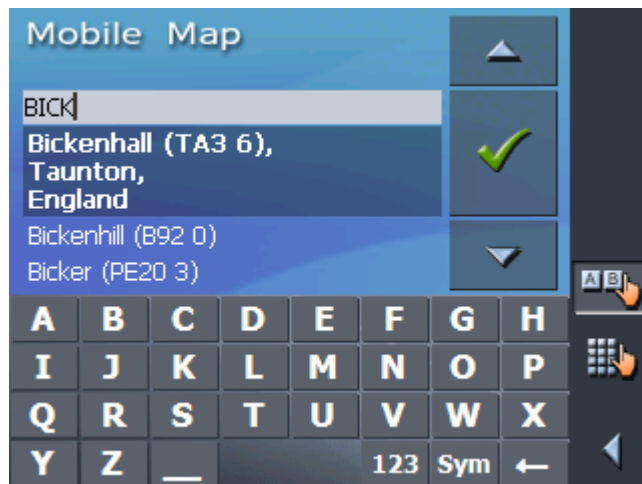
3. Tap the **Town** entry field.

The software keyboard appears.



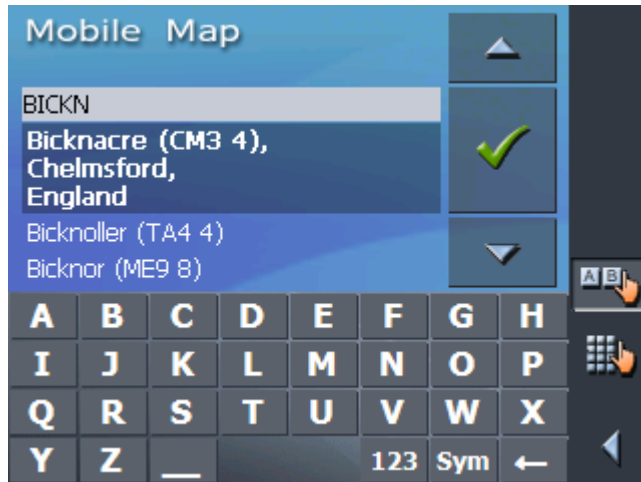
4. Enter the letters BICK.

All towns beginning with BICK or having BICK in their names are listed.



When the list is very long, you may enter one more letter in order to shorten the list.

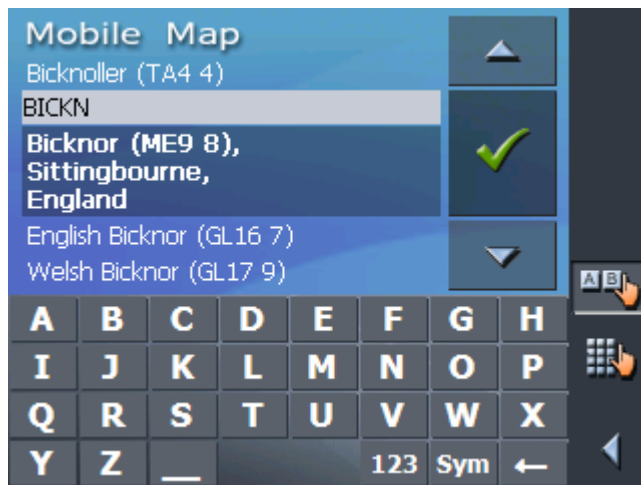
5. Enter N.



All towns beginning with BICKN or having BICKN in their names are listed.

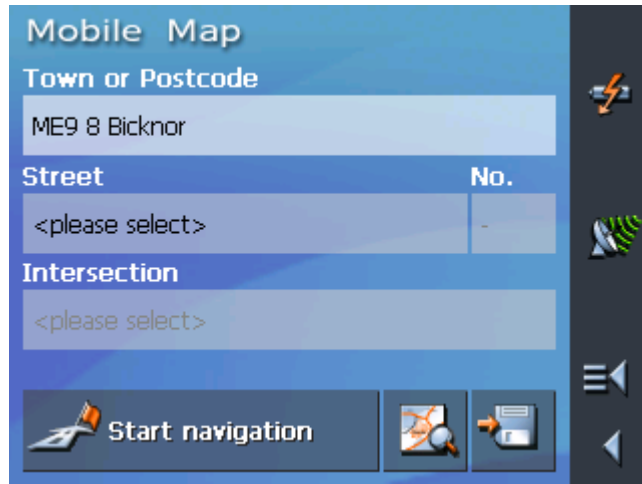
6. Tap the **Down** icon repeatedly until BICKNOR appears directly under the white entry field.

The entry BICKNOR has the focus.



7. Tap .

The **ADDRESS** screen reappears. BICKNOR is entered into the **Town** field.







# 4 User modes

## Topics covered in this chapter:

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## 4.1 Two different user modes

---

### Survey

**Mobile Map** can be operated in two different user modes: Standard and Extended. This grants an optimum of usability for each user: Less experienced users and users who do not need using the complete functionality of the software work in standard mode. Experienced users who are ready to spend some time in getting used to operate the complete functionality work in extended mode.

Some configuration settings have an effect on the work in standard mode but can only be changed in extended mode. For further information, please refer to "Configuring Mobile Map", page 85.

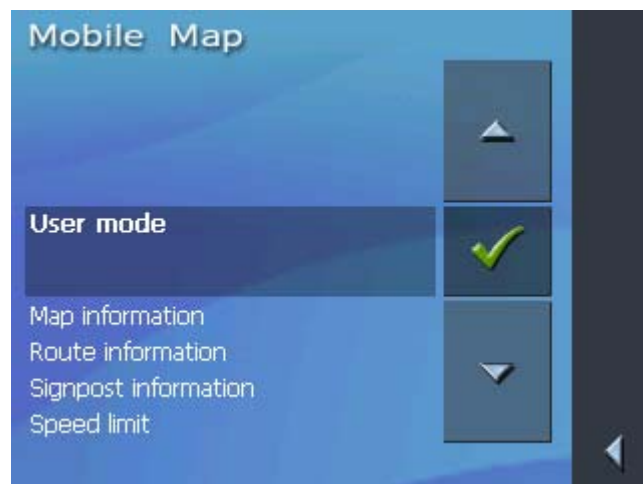
## 4.2 Changing the user mode

---

You may at any time switch to the other user mode.

1. In the **MAIN MENU**, tap **Settings**.

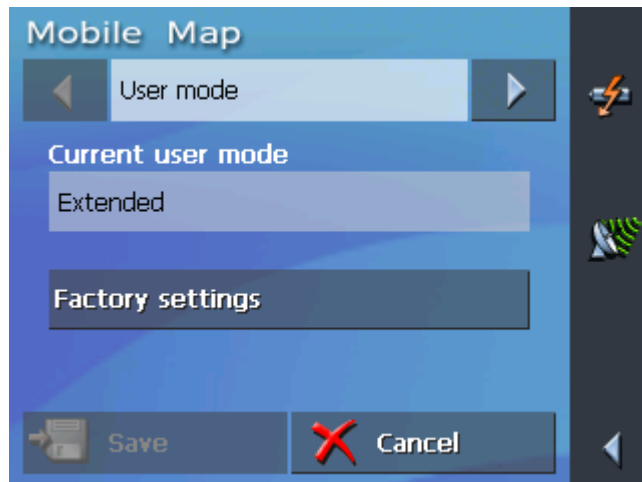
The **SETTINGS** screen appears:



The **User mode** entry is at the top of the list. If it is not selected, tap the **Up** icon repeatedly until **User mode** is selected.

2. Tap .

The **USER MODE** screen appears:



Your current user mode is indicated on the **Current user mode** field.

3. Tap **Current user mode** to switch to the other user mode.  
The name of the user mode you want to switch to becomes the caption of the entry field.
4. Tap **Save** to save the changes.




---

**Note:** When you switch to standard mode, a dialog window asks you whether you want to keep the configuration changes you have made in extended mode. This dialog window appears even when you have not made any configuration changes. Tap **Yes** if you want to keep these changes.

---

The **USER MODE** screen closes and you are in the Main menu of the user mode you have just switched to.

## 4.3 Standard mode

---

### *Survey*

In standard mode, the software is easier to operate. As it offers reduced functionality, functions may be accessed quicker. So, if you do not need functions like Route planning or indicating a destination on the map, we recommend working in standard mode.

### *Functionality*

In standard mode, you can:

- ⇔ Select another map
- ⇔ Enter a destination to navigate to (Address, POI)
- ⇔ Navigate home
- ⇔ Select a saved destination
- ⇔ Save destinations
- ⇔ Select a destination from the recent destinations list
- ⇔ Change some configuration settings

## 4.4 Extended mode

---

### *Survey*

In extended mode, you dispose of the complete functionality of **Mobile Map**. You may for example indicate and navigate to more than one destination (route planning with stages). You may change all configuration settings. If you want to use the complete functionality, work in extended mode.

### *Functionality*

In addition to the functions of the standard mode, the extended mode enables you to:

- ⇔ Indicate a direction directly on the map
- ⇔ Plan and save routes with several stages
- ⇔ Adjust the route options before each navigation
- ⇔ Change all configuration settings

# 5 Navigation

## Topics covered in this chapter:

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| 5.6 | Indicating several destinations (Itinerary with stages) | page 53 |
|     | Indicating route points                                 |         |
|     | Editing, saving and managing itineraries                |         |
|     | Calculating the route                                   |         |
|     | Displaying the itinerary on the map                     |         |
|     | Simulating the route                                    |         |
| 5.7 | Starting navigation                                     | page 64 |

---

## 5.1 General information on navigation

---

Use of **Mobile Map** is executed at your our risk.



---

**Caution:** To protect yourself and others from accidents, do not program the navigation system while driving. Enter or select your destination and activate the navigation system before you begin to drive!

---



---

**Caution:** Do not look at the display unless it is absolutely safe to do so! Safe driving is the first priority!

---



---

**Caution:** The rules of the road and traffic signs must be obeyed prior to following instructions from the navigation system.

---



---

**Caution:** Do not follow the instructions of Mobile Map unless circumstances and the road traffic regulations allow doing so. **Mobile Map** will guide you to your destination even when you have gone off course from your route.

---

### *Obstructed GPS reception*

When you turn off the GPS receiver or when the reception of GPS-signals is obstructed **Mobile Map** does not close but navigation is interrupted.

As soon as the GPS receiver works again the navigation system notices a possible change of your current position and recalculates the route. You may simply continue navigation.

### *Quitting navigation mode*

When you quit navigation mode by command the **MAIN MENU** appears. You may then indicate another destination or reassume the by selecting the former destination from the **Recent destinations** list.

### *Arriving at your destination*

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

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

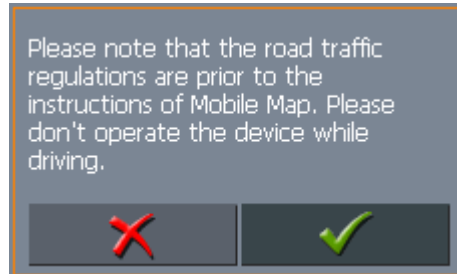
## 5.2 Starting Mobile Map



---

*Starting the navigation software...*

1. Turn your PNA on.

At the first start (and each time you had terminated **Mobile Map** via the **Quit** icon), the following message appears:



2. Tap the  button. If you do not accept and if you tap the  button, the software terminates.

### 5.2.1 Extended mode

---

The **MAIN SCREEN** appears:

*Main screen*



All functions of the program are accessible via the Main screen.

**Note:** When you turn your PDA on it shows the screen which was displayed when it was turned off. Nevertheless, you may access the Main screen from all other screens by tapping



*One destination*

Tap the **Navigation** button to indicate a destination for navigation (one stage).





For details, please refer to "Indicating a destination", page 31.

*Navigation homewards*

Tap the **Home** icon to navigate to your home address.



For details, please refer to "Using your home address", page 50.

*Route planning*

Tap the **Route planning** button for itinerary planning purposes.



For details, please refer to "Indicating several destinations (Itinerary with stages)", page 53.

*Display the map*

Tap the **Show map** button to display the map which is currently in use..



*Select map*

Tap the **Map** button to select another map from the memory card which is currently inserted.



For details, please refer to "Working with the map", page 67.

*Settings*

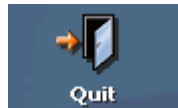
Tap the **Settings** button to modify the settings of *Mobile Map*.



For details, please refer to "Settings", page 86.

*Quit*

Tap the **Quit** button to quit *Mobile Map*.





## 5.2.2 Standard mode

The **MAIN SCREEN** appears:

*Main screen*



**Note:** When you turn your PDA on it shows the screen which was displayed when it was turned off. Nevertheless, you may access the Main screen from all other screens by tapping



*One destination*

Tap the **Navigation** button to indicate a destination for navigation (one stage).



For details, please refer to "Indicating a destination", page 35.

*Navigation homewards*

Tap the **Home** icon to navigate to your home address.



For details, please refer to "Using your home address", page 50.

*Favourites*

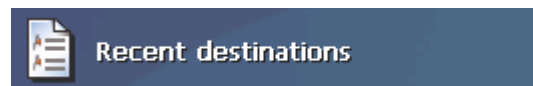
Tap the **Favourites** button to navigate to a favourite.



For details, please refer to "Favourites", page 47.

*Recent destinations*

Tap the **Recent destinations** button to select a destination entered previously.





For details, please refer to "Recent destinations", page 49.

### Select map

Tap the **Map** button to select another map from the memory card which is currently inserted.



For details, please refer to "Working with the map", page 67.

### Settings

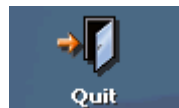
Tap the **Settings** button to modify the settings of *Mobile Map*.



For details, please refer to "Settings", page 86.

### Quit

Tap the **Quit** button to quit *Mobile Map*.



## 5.3 Basic settings

---

### Basic settings

Before working with *Mobile Map*, we recommend

- ⇔ indicating the time zone of the region you are staying in currently so that the system can indicate correct times of arrival in navigation mode,
- ⇔ entering the home address. You may then navigate home from anywhere.

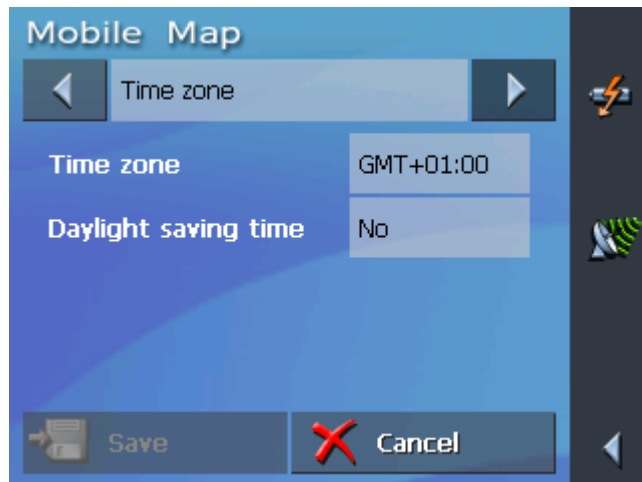
### Indicate the time zone...

1. On the **MAIN SCREEN**, tap **Configuration**.



The **CONFIGURATION** screen opens.

2. Via the arrow buttons, select the **TIME ZONE** screen.



3. Tap into the **Time zone** entry field.

The **SELECT THE TIME ZONE** screen opens.



4. Select the time zone of the region you are currently staying in. (GMT without daylight saving time). The indication of capitals lying in the respective time zones makes the selection easier.
5. Tap **Ok**.
6. If there is currently daylight saving time, tap the **Daylight saving time** entry field. The entry switches to **Yes**.

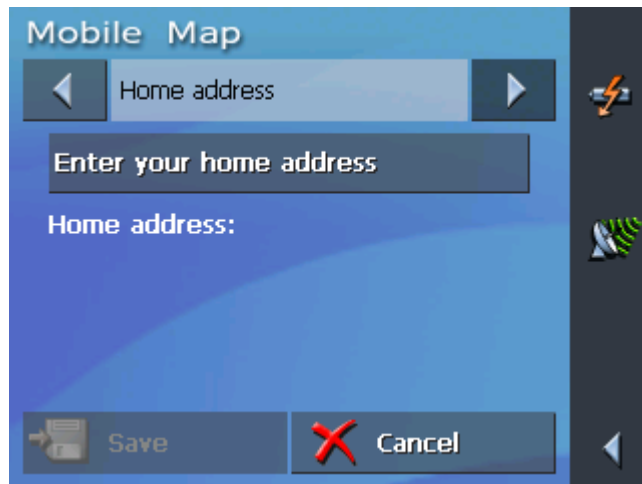


**Note:** If there is a clock change or if you are travelling into another time zone, you will have to adjust the respective setting.

In **Mobile Map**, you may save your home address to quickly start navigation homewards from anywhere.

*Saving your home address...*

7. Via the arrow buttons, select the **HOME ADDRESS** screen.

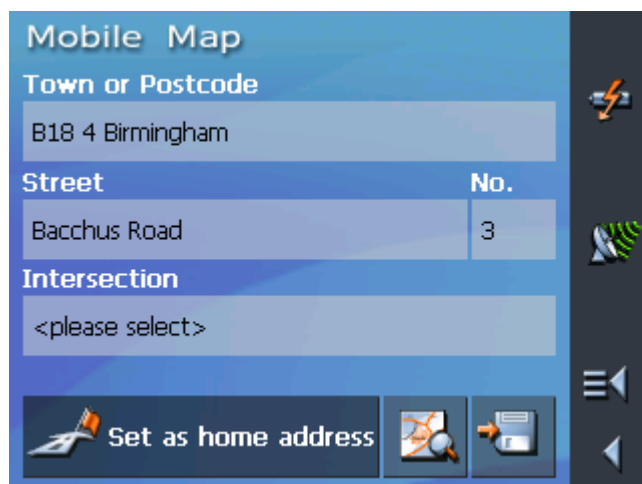


8. Tap **Enter your home address**.

The **DESTINATION** screen opens.

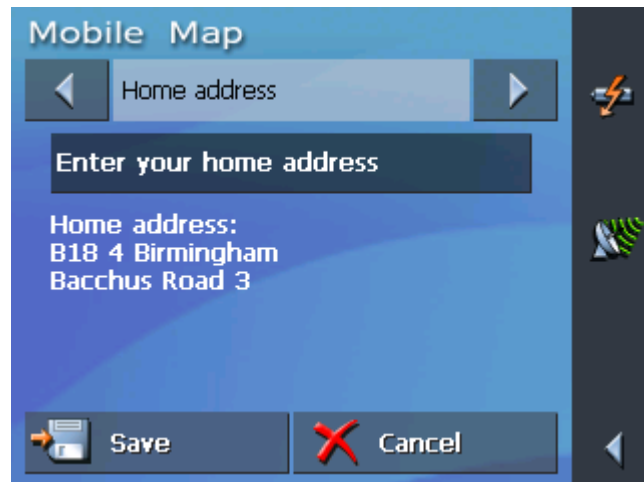


9. Tap the **Address** button and enter your home address as described in "Entering an address", page 36.



10. Tap the **Set as home address** button.

The address is indicated on the **HOME ADDRESS** screen.



11. Tap **Save**.

The **MAIN SCREEN** opens.

## 5.4 Indicating a destination

---

*Basic principle of navigation*

In this chapter you will learn about the possibilities for indicating and managing destinations in **Mobile Map**.

For details on how to start navigation to a destination, please refer to "Starting navigation", page 64.

*Indicating a destination*

In **Mobile Map** there are several possibilities to enter or to select destinations:

- ⇔ Entering an address, see page 36
- ⇔ Selecting a point of interest, see page 37
- ⇔ Indicating destinations on the map, see page 44
- ⇔ Favourites, see page 47
- ⇔ Recent destinations, see page 49
- ⇔ Using your home address, see page 50

## 5.4.1 Entering an address

---

### Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



---

**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

---

- 1b On the **DESTINATION** screen, tap **Address**.

### Standard mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



---

**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

---

- 1b On the **DESTINATION** screen, tap **Address**.

*Indicating an address...*

The **ADDRESS** screen opens.

2. Enter the destination town into the **Town or Postcode** entry field. Enter either its name or its postcode.



For information on working with lists, please refer to "Lists", page 18.

3. Enter the destination street into the **Street** entry field.
4. Enter the house number of your destination into the **Nr.** field, if you know it.



**Note:** If the house numbers of the respective street are stored in the database of places, you may tap the field besides the **Street** field.

If no house numbers are stored, the respective field is deactivated. The software navigates to the respective street

5. Enter the name of a crossroad into the **Intersection** entry field if you want to define an intersection as destination point (e.g. because the house number is not available).



For information on saving destinations, please refer to "Saving a destination", page 51.

## 5.4.2 Selecting a point of interest

*Points of interest*

**Points of Interest**, also referred to as POIs, are stored in the database of places and may be displayed on the map. Ports, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the special destinations.

Indicate a point of interest by selecting one

## Point of interest nearby



---

**Note:** You may only select Points of interest nearby when the GPS receiver is turned on and when the GPS signal strength is sufficient.

---

### Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



---

**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

---

- 1b On the **DESTINATION** screen, tap **Point of interest**.

The **POINT OF INTEREST** screen opens:



- 1c On the **POINT OF INTEREST** screen, tap **...nearby**.



Standard mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



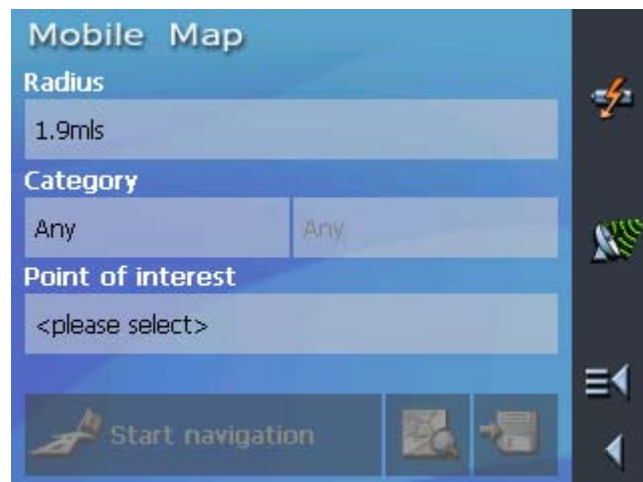
Tap the **Country** entry field and select the destination country if it is not yet indicated.



**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

- 1b On the **DESTINATION** screen, tap **...nearby**.

The **POI NEARBY** screen opens:



2. Enter the radius around your current position within which you want to search for points of interest into the **Radius** entry field.
3. Select the main category of points of interest to search for from the left one of the two **Category** list fields, e.g. "Garage". Only points of interest situated within the indicated radius will be displayed.
4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields, e.g. "Audi VW Seat Skoda".

For information on working with lists, please refer to "Lists", page 18.

*Selecting a Point of interest nearby...*



---

**Note:** If you leave the **Subcategory** field empty, all points of interest matching with the selected main category will be listed in the **Point of interest** list field.

---

5. Select the correct destination from the **Point of interest** list field.



---

**Note:** You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

---



For information on saving destinations, please refer to "Saving a destination", page 51.

## Point of interest in a certain town

### Extended mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



---

**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

---

- 1b On the **DESTINATION** screen, tap **Point of interest**.

The **POINT OF INTEREST** screen opens:



1c On the **POINT OF INTEREST** screen, tap **...in a town**.

### Standard mode

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.

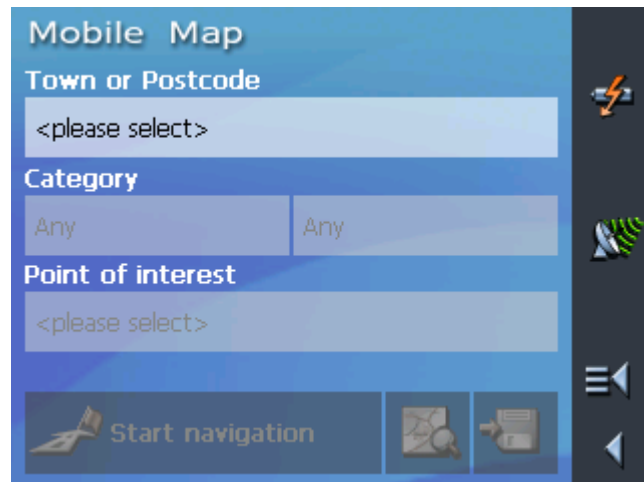


**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **...in a town**.

*Selecting a Point of interest in a certain town...*

The **POI in a town** screen opens:



2. Enter the name of the town in which you want to search for points of interest into the **Town or postcode** field.
3. Select the main category of points of interest to search for from the **Category** list field (e.g. Nightlife). Only categories matching your Town entry are listed.
4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields (e.g. Cinema).
5. Select the correct destination from the **Point of interest** list field.



For information on working with lists, please refer to "Lists", page 18.



---

**Note:** You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

---



For information on saving destinations, please refer to "Saving a destination", page 51.

## Point of interest of supraregional significance



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

- 1b On the **DESTINATION** screen, tap **Point of interest**.

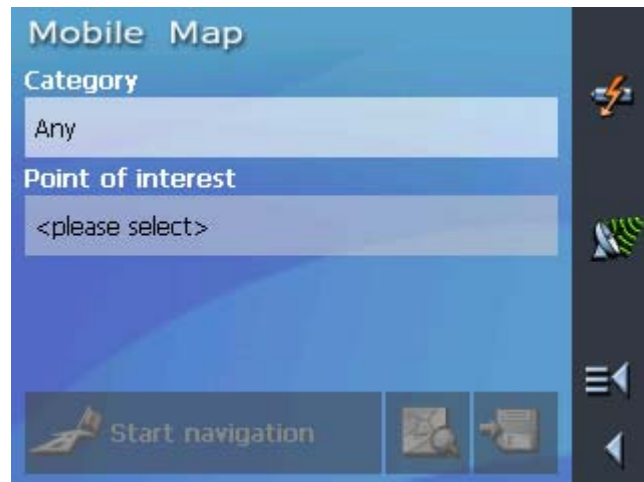
The **POINT OF INTEREST** screen opens:



- 1c On the **POINT OF INTEREST** screen, tap **...nationwide**.

*Selecting a Point of interest of supraregional significance...*

The **POI NATIONWIDE** screen opens:



2. Select the main category of points of interest to search for from the **Category** list field (e.g. Airports).
3. Select the correct destination from the **Point of interest** list field.



For information on working with lists, please refer to "Lists", page 18.



**Note:** You need not make entries into the **Category** field. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.



For information on saving destinations, please refer to "Saving a destination", page 51.

### 5.4.3 Indicating destinations on the map

---

You may indicate a destination directly on the map. In addition to towns and streets, you may also select special destinations quickly..



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

*Extended mode*

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.

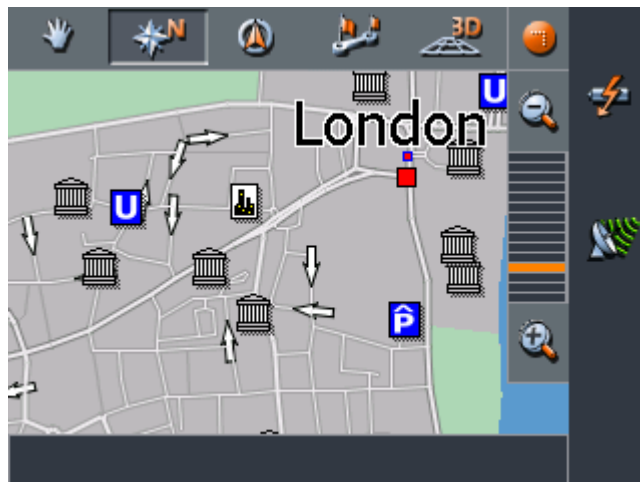


**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

*Indicating a destination on the map...*

1. On the **DESTINATION** screen, tap **Select on map**.

The **MAP** screen opens:

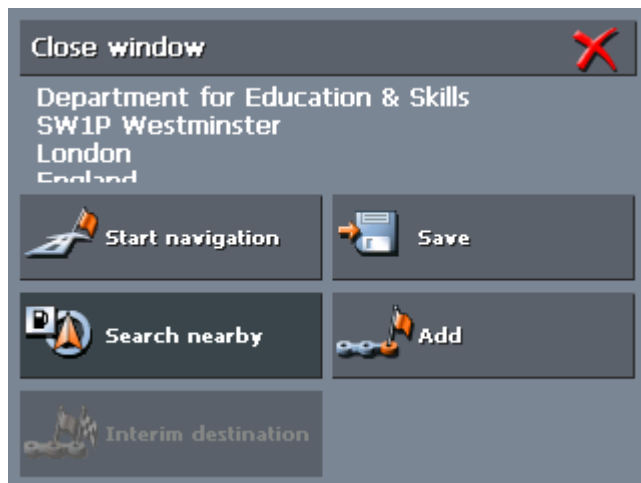


2. Tap on the place you want to determine as destination and hold.

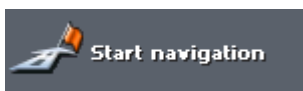
A circle of orange points appears round the selected place:



Database information on the respective place will be loaded and displayed. Below the information, there are command buttons for several functions which are available for the selected place.



You have the following options:



This function is only available when GPS reception is possible (The GPS-symbol must be **GPS ready**).

Tap the **Start navigation** button to start navigation to the selected place.




---

**Caution:** Using this function while you are already navigating deletes all current destinations (stage points and destination point).

---



Tap the **Save** button to save the selected place. You may then at any time select this place from the **FAVOURITES**.



Tap the **Search nearby** button to search for a point of interest near the selected place.



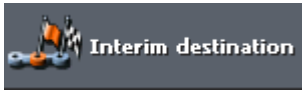
This function is only available in "Extended mode".

Tap the Add button to add the selected place to your itinerary. The selected point will be marked by a little flag. It will also be added to the list of route points of the **ROUTE**



**PLANNING** screen where it figures as destination point.

Using this function while you are already navigating causes an immediate recalculation of your route.



This function is only available in "Extended mode".

Tap the Interim destination button to make the selected point the next stage point of your itinerary. Your route will be recalculated immediately.

## 5.4.4 Favourites

### *Survey*

All destinations you have saved by tapping the **Save** button are listed on the **FAVOURITES** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ rename destinations, and
- ⇔ delete destinations from the list.

### *Extended mode*

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

- 1b On the **DESTINATION** screen, tap **Favourites**.

Standard mode

1. In the **MAIN MENU**, tap **Favourites**.

*Saved destinations*

The **FAVOURITES** screen opens.



2. Tap the entry of the respective destination.



**Note:** An asterisk behind a name indicates that a voice command for the respective destination has been stored.



For information on working with lists, please refer to "Lists", page 18.

3. Tap .

The **ADDRESS** screen opens. The address data of the selected destination is entered into the respective fields.



For information on deleting or renaming saved destinations, please refer to "Destination management", page 50.

## 5.4.5 Recent destinations

### *Survey*

All destinations you have navigated to recently are listed on the **RECENT DESTINATIONS** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ Add destinations to the **SAVED DESTINATIONS** list, and
- ⇔ delete destinations from the **RECENT DESTINATIONS** list.

### *Extended mode*

1. In the **MAIN MENU**, tap **Navigation**.

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.



**Note:** Only countries of which at least a part is represented on the currently loaded map may be selected.

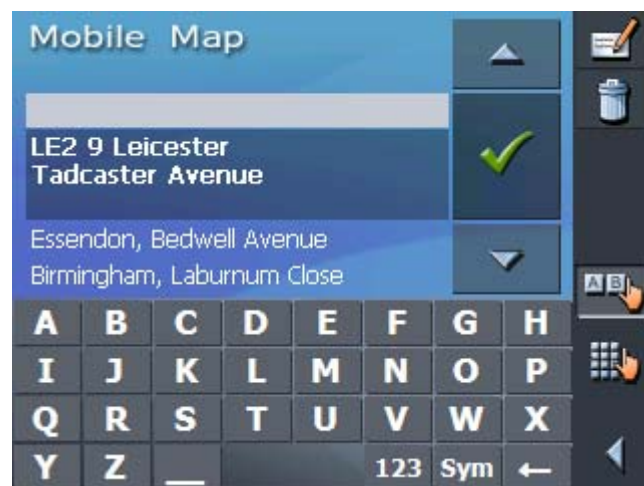
- 1b On the **DESTINATION** screen, tap **Recent destinations**.

### *Standard mode*

1. In the **MAIN MENU**, tap **Recent destinations**.

### *Recent destinations*

The **RECENT DESTINATIONS** screen opens.



2. Tap the entry of the desired destination.



For information on working with lists, please refer to "Lists", page 18.

3. Tap .

The destination will be taken over. The address is entered into the respective fields.

## 5.4.6 Using your home address

---

### *Survey*

If you have stored your home address you may quickly start navigation home at any place.

For information on saving your home address, please refer to "Home address", page 93.

### *Navigating homewards...*

1. On the **MAIN MENU** tap the **Home** icon.



The route is now being calculated and navigation starts.

The calculation is based on the settings you have configured in **SETTINGS – ROUTE OPTIONS**.



For details, please refer to "Settings", page 86.

## 5.5 Destination management

---

### *Survey*

Destinations may be stored in two lists:

- ⇔ the **FAVOURITES**
- ⇔ the **RECENT DESTINATIONS** list

Every destination you are indicating and the destinations from the **RECENT DESTINATIONS** list may be added to the **FAVOURITES**. This makes sense if you want to navigate more often to the respective destination.

Destinations from the **FAVOURITES** may be renamed.

Items from both lists may be deleted.

## 5.5.1 Saving a destination

### *Precondition*

You have entered a destination as described in "Indicating a destination", page 35

- OR -

You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 49.

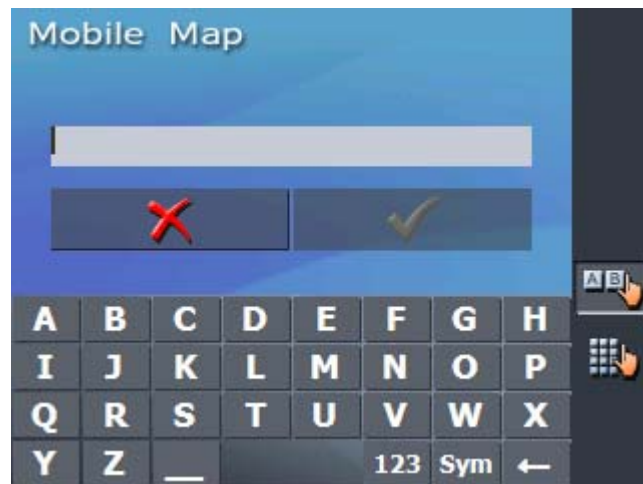
1. Tap the **Save** icon.



If you have opened the **RECENT DESTINATIONS** list, tap the **Edit** icon.



The **NAME OF DESTINATION** screen opens.



2. Enter a name for the destination.



For information on the use of the keyboard, please refer to "Software keyboard", page 12.

3. Tap .

The destination has now been added to the **FAVOURITES**.

## 5.5.2 Renaming a destination

1. On the **DESTINATION** screen, tap **Favourites**.

The **FAVOURITES** screen opens.



2. Select the destination you want to rename.

For information on working with lists, please refer to "Lists", page 18.


3. Tap the **Edit** icon.

The **NAME OF DESTINATION** screen opens.



4. Enter the new name of the destination.

For information on the use of the keyboard, please refer to "Software keyboard", page 12.

5. Tap .

The destination is now renamed.

### 5.5.3 Deleting a destination

---

#### *Precondition*

You have opened the **FAVOURITES** as described in "Favourites", page 47

- OR -

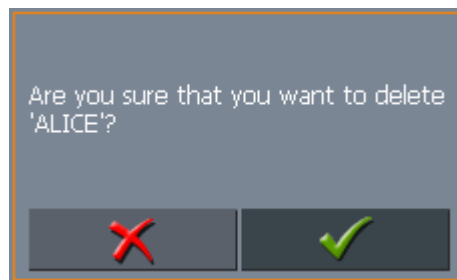
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 49.

1. Tap the entry of the destination to be deleted.

For information on working with lists, please refer to "Lists", page 18.

2. Tap the **Delete** icon.

The **CONFIRM** screen opens.



3. Tap  to delete the destination from the list.

The destination is now deleted from the list.

## 5.6 Indicating several destinations (Itinerary with stages)

---

This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

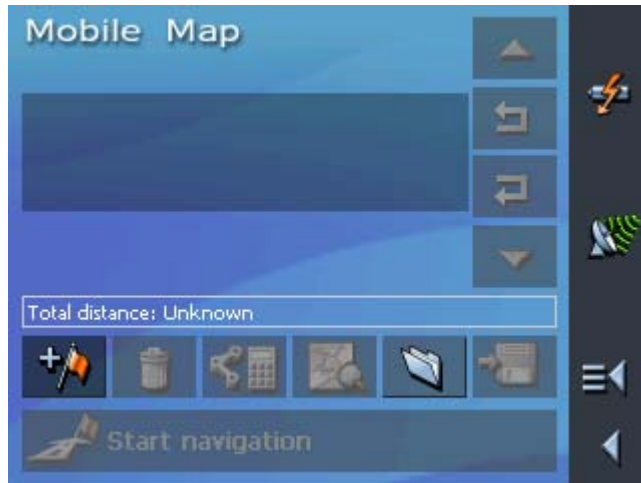
#### *Itinerary planning*

You may plan itineraries without receiving GPS-signals, e.g. comfortably at home. Planned itineraries may be stored. Thus you may plan as many itineraries as you want, e.g. for holidays.

## 5.6.1 Indicating route points

*Planning itineraries...* 1. On the **MAIN MENU**, tap **Route planning**.

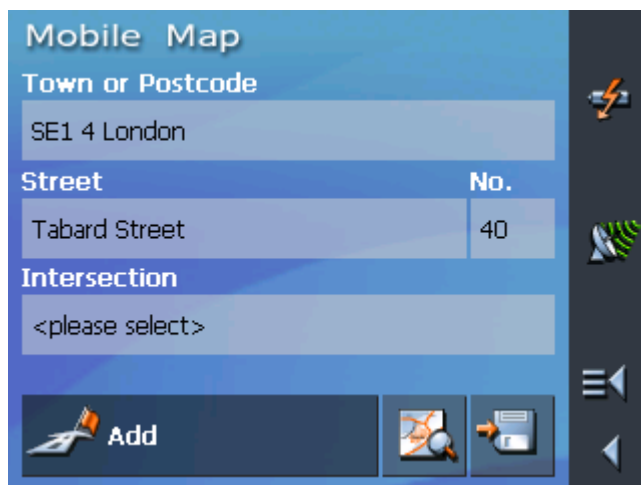
The **ROUTE PLANNING** screen opens:



2. Tap the **Add route point** icon to enter the first route point.

The **DESTINATION** screen opens.

3. Indicate the destination as described in "Indicating a destination", page 35.



4. Tap **Add**.



The **ITINERARY PLANNING** screen opens. The destination is added as stage point 1.



5. Repeat steps 2-4 for every stage point you want to add to the itinerary.



## 5.6.2 Editing, saving and managing itineraries

---

### *Survey*

You may plan as many itineraries as you want, e.g. for holidays. You may save them and use them later for navigation purposes.

At any moment, you may add stage points, modify the order of the stages, or display the itinerary on the map.

The following commands are available on the **ITINERARY PLANNING** screen:

### **Selection**

These icons are deactivated when the list does not contain any route point.

#### *Up*



Tap this icon to move the selection one route point up.

Tap this icon several times to move the selection several route points up.

#### *Down*



Tap this icon to move the selection one route point down.

Tap this icon several times to move the selection several route points down.

### **Changing the order**

#### *Route point up*



Tap this icon to navigate to the respective stage point earlier (example: stage 3 becomes stage 2).

#### *Route point down*



Tap this icon to navigate to the respective stage point later (example: stage 2 becomes stage 3).

### **Deleting and adding route points**

#### *Delete route point*



Tap this icon to delete the selected route point from the list.

This icon is deactivated when not route point is selected.

#### *Add route point*



Tap this icon to add a stage point. The new stage point will be added before the stage point which currently has the focus. You may shift it using the **Route point up** and **Route point down** icons.

## Managing itineraries

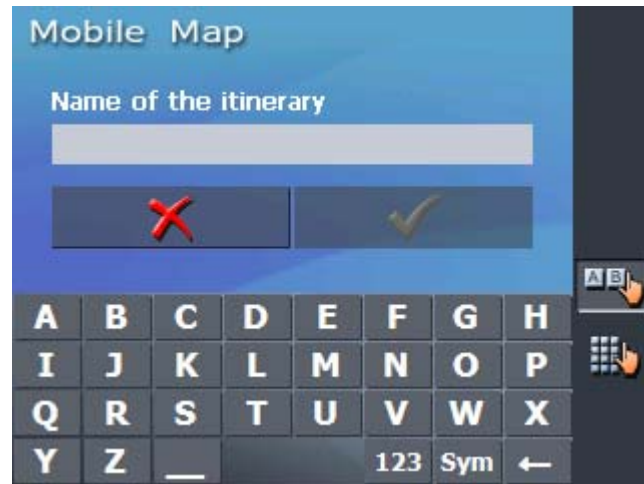
### Save itinerary



Only itineraries that contain at least one route point may be saved. Otherwise this icon is deactivated.

1. Tap this icon to save the itinerary you have planned.

The **NAME OF THE ITINERARY** screen opens.



2. Enter a name for the itinerary.



For information on the use of the keyboard, please refer to "Software keyboard", page 12.

3. Tap  **OK**.



**Note:** Only the route points will be saved. If you load an itinerary, you will have to recalculate it.

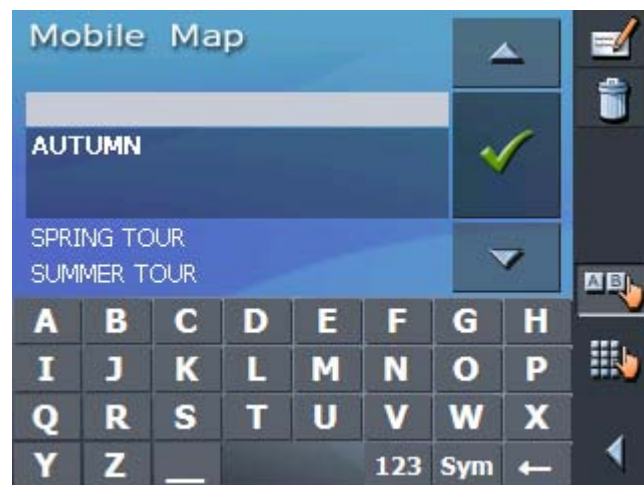
### Load itinerary




This icon is deactivated if there is no saved itinerary available.

1. Tap this icon to load a saved itinerary, e.g. to modify it or for navigation purposes.

The **SELECT ITINERARY** screen opens:



2. Select the itinerary you want to load.

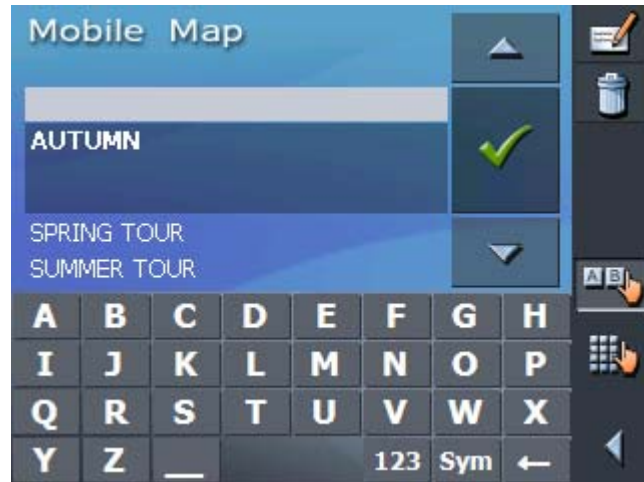
3. Tap .

### Rename itinerary



1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

The **SELECT ITINERARY** screen opens:

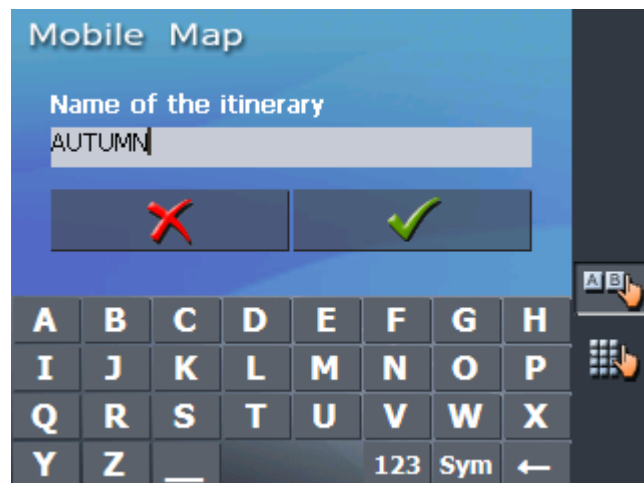


For information on working with lists, please refer to "Lists", page 18.



2. Tap the **Edit** icon.

The **NAME OF THE ITINERARY** screen opens:



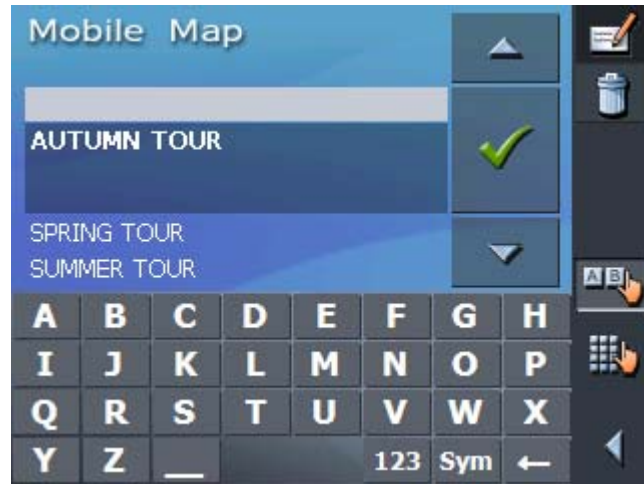
3. Enter the new name of the itinerary.



For information on the use of the keyboard, please refer to "Software keyboard", page 12.

4. Tap  **OK**.

The **SELECT ITINERARY** screen reopens. The itinerary has been renamed.



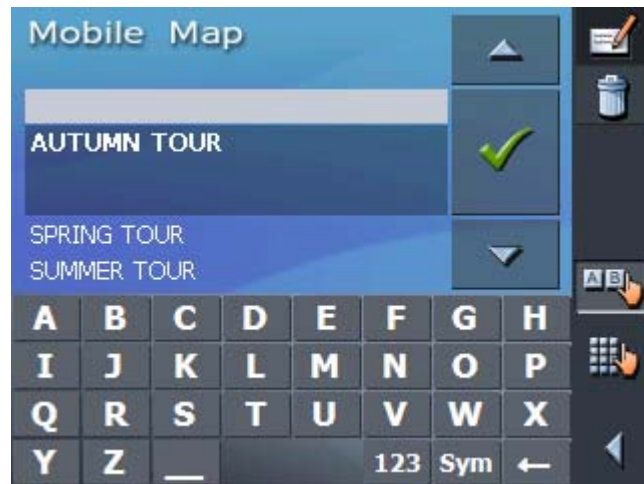
5. Tap **OK** to load the renamed itinerary.  
- OR -  
Tap the **Back** icon to open the **ROUTE PLANNING** screen without loading an itinerary.

*Delete itinerary*



1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

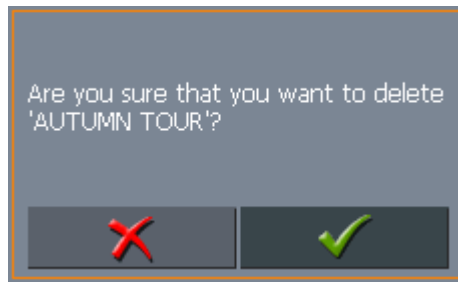
The **SELECT ITINERARY** screen opens:



For information on working with lists, please refer to "Lists", page 18.

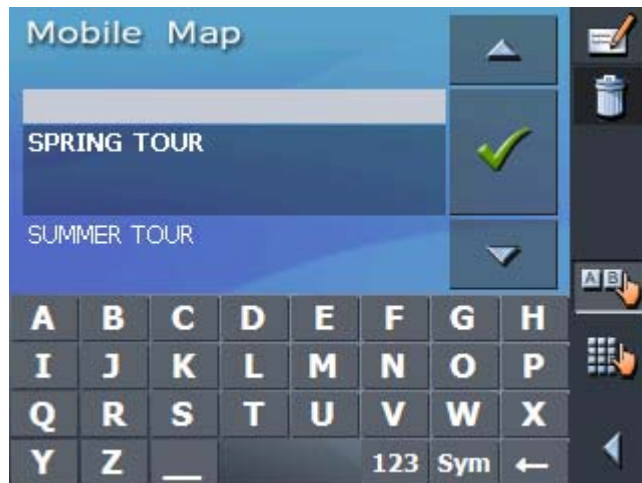


2. Tap the **Delete** icon to delete the selected itinerary.  
The **CONFIRM** screen appears.



3. Tap .

The **SELECT ITINERARY** screen reopens. The deleted route is no more listed.



### 5.6.3 Calculating the route

---

An itinerary may be calculated even without GPS reception in order to get an impression on the route.

The system assumes then the first route point to be the start point of the route.



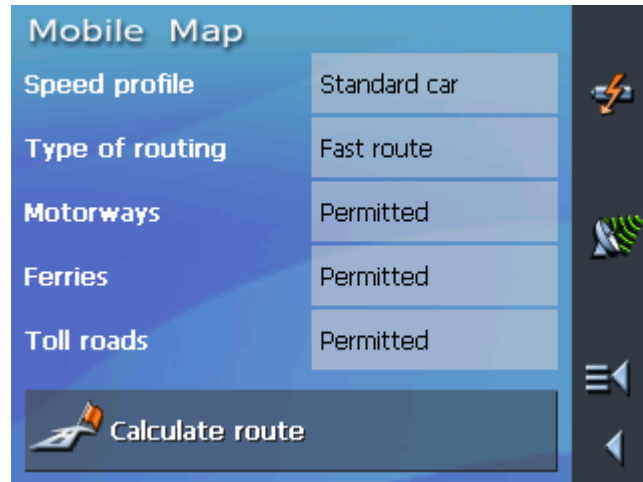
**Note:** When you start navigation, the system identifies your current position and makes it the start point. The first indicated route point is then the first stage point.

---



1. Tap this icon to calculate the distance and the estimated duration of the entire itinerary.

The **ROUTE OPTIONS** screen opens:



2. Determine the route options.



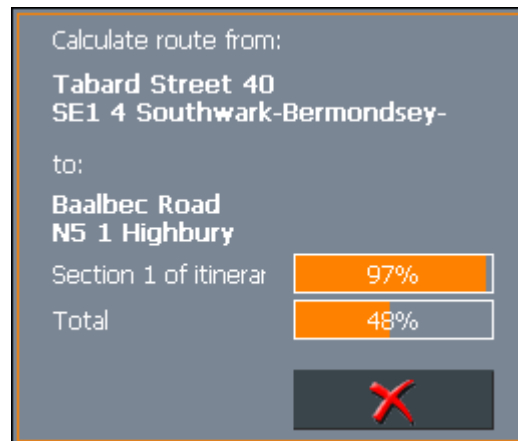
For detailed information on setting the route options, please refer to "Routing options", page 92.



**Note:** The standard settings for the route options may be changed on the **ROUTE OPTIONS** screen. For detailed information on changing the standard settings refer also to "Configuring Mobile Map", page 85.

3. Tap the **Calculate route** icon.

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



When the route is calculated, the total distance and the estimated duration from the first to the last route point are displayed below the route points list of the **ITINERARY PLANNING** screen.

Total distance: 16mls Time: 00 h 58 min

Furthermore, the distance and the estimated duration of each stage will be indicated with the selected route point entry.



## 5.6.4 Displaying the itinerary on the map

### *Show itinerary*

Tap the **Show on map** button to display the entire itinerary on the map.

The map screen opens.



The itinerary is highlighted in orange.

The route points are marked by flags.

For information on working with maps, please refer to "Working with the map", page 67.



## 5.6.5 Simulating the route

### Simulation

You may execute a simulated navigation along the itinerary when the route has been calculated.



**Note:** The reception of GPS-signals is not necessary for the simulation.

Simulation is restricted to routes of 60 miles max.

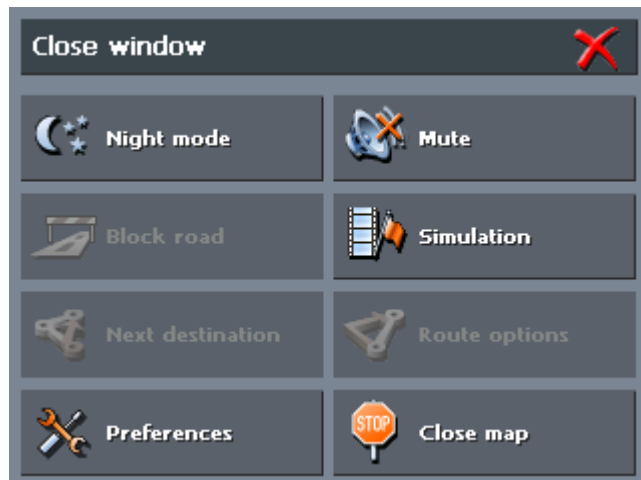
1. Tap the **Show on map** button.

The itinerary is displayed on the map.



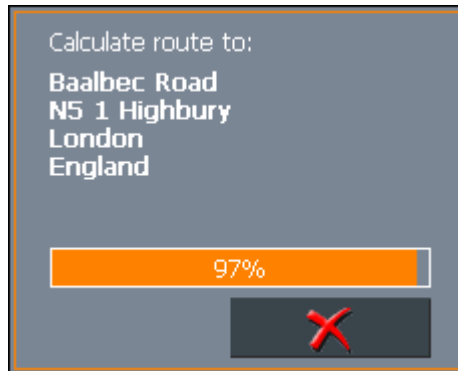
2. Tap short on any place on the map.

The **ADDITIONAL FUNCTIONS** screen opens.



3. Tap **Simulation**.

The route will be recalculated for simulation purposes.



Simulation starts when calculation has finished.

*Stopping the simulation*

You may quit a simulation at any moment.

1. Tap short on any place on the map.

The **ADDITIONAL FUNCTIONS** screen opens.

2. Tap **Stop navigation**.

## 5.7 Starting navigation

---

*Precondition*

You have entered a destination as described in "Indicating a destination", page 35,

- OR -

You have selected a destination from the **FAVOURITES** as described in "Favourites", page 47,

- OR -

You have selected one of your **RECENT DESTINATIONS** as described in "Recent destinations", page 49,

- OR -

You have planned or loaded an itinerary as described in "Indicating several destinations (Itinerary with stages)", page 53.

Extended mode1. Tap **Start navigation**.

The **ROUTE OPTIONS** screen opens:



## 2. Determine the route options.



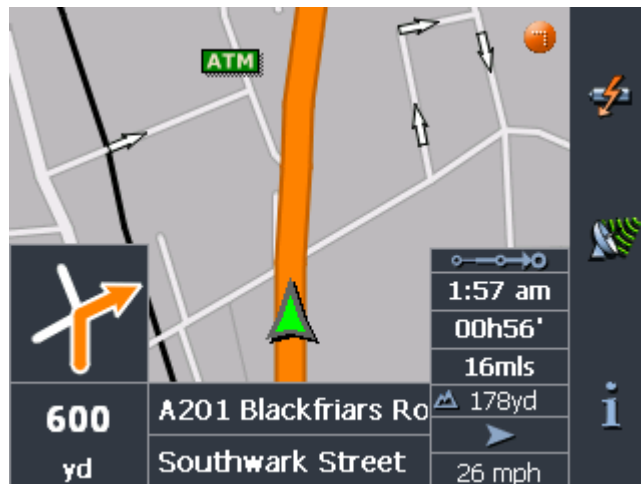
For detailed information on setting the route options, please refer to "Routing options", page 92.



**Note:** The standard settings for the route options may be changed in **SETTINGS – ROUTE OPTIONS**. For detailed information on changing the standard settings refer to "Settings", page 86.

The system calculates the route.

The map screen opens. Your current position is indicated by a green arrow. The route is highlighted in orange.

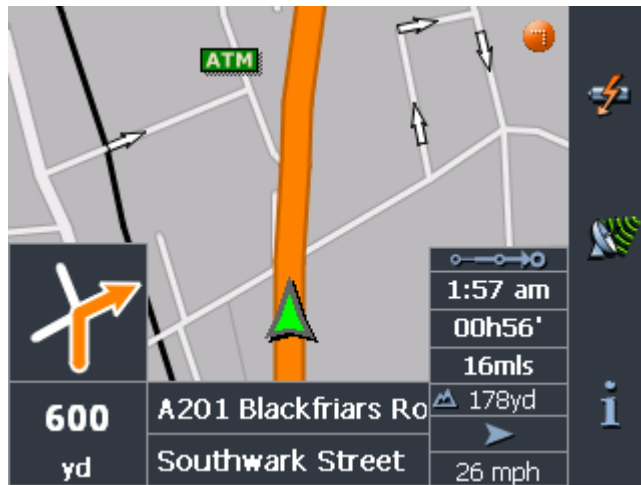


**Note:** When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stage point of your route.

Standard mode1. Tap **Start navigation**.

The system calculates the route.

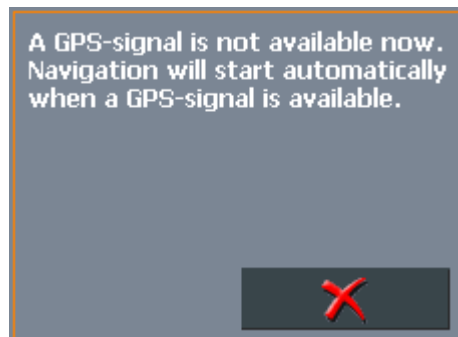
The map screen opens. Your current position is indicated by a green arrow. The route is highlighted in orange.




**Note:** The route will be calculated with regard to the current route options settings. The standard settings for the route options may be changed in **SETTINGS – ROUTE OPTIONS**. For detailed information on changing the settings refer to "Settings", page 86.

*No GPS reception?*

When the received GPS signal is not sufficient, the following message appears:



You have two possibilities:

- ⇔ Wait until navigation starts. This will happen as soon as the GPS reception is sufficient.
- ⇔ Tap  **Cancel** and restart navigation as soon as the reception of GPS signals is convenient. You may notice that by watching the GPS symbol on the screen: it becomes **GPS ready** when the reception is good.

# 6 Working with the map

## Topics covered in this chapter:

---

|     |  |         |
|-----|--|---------|
| 6.1 | Selecting a map                              | page 68 |
| 6.2 | Operating the map                            | page 69 |
| 6.3 | Representation of the map in navigation mode | page 75 |
| 6.4 | Displaying additional information on the map | page 77 |

---

## 6.1 Selecting a map

### Selecting a map



To load another map which is available on the currently inserted memory card, proceed as follows:

1. If the desired map is on another memory card than the currently inserted one, open the **MAIN SCREEN** and tap the **Quit** button.
  - 1a Remove the memory card, which is currently inserted.
  - 1b Insert the memory card, which contains the map you want to work with.
  - 1c Start **Mobile Map** over.

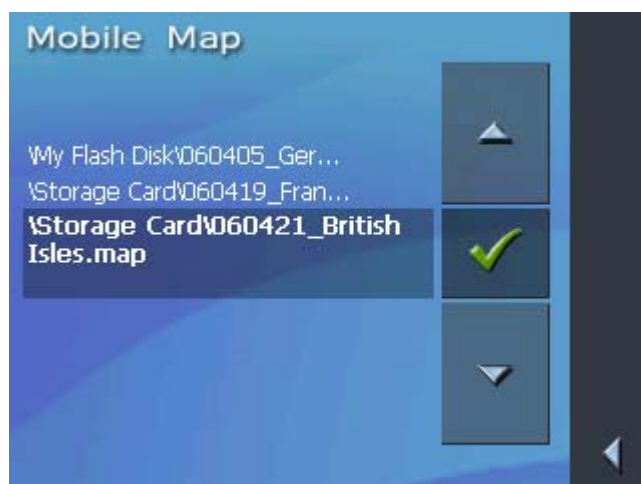



**Note:** You need not execute steps 2 to 4 unless there is more than one map stored on the inserted memory card.

2. On the **MAIN SCREEN**, tap the **Map** button.



The **AVAILABLE MAPS** screen opens:



3. Tap the entry of the map you want to work with.
4. Tap .

The selected map is now loaded. The **MAIN SCREEN** opens.

## 6.2 Operating the map

---

### *Survey*

There are various pieces of information available on the **MAP** screen. Learn in this chapter about the possibilities for working with the map, which depend on whether you are in navigation mode or not.

### *Displaying the map*

You may display the map

- ⇔ while planning an itinerary,
- ⇔ in order to show destinations on the map, or
- ⇔ in order to select destinations on the map.

### *Extended mode*

In "extended mode", you may display the map

- ⇔ Via the **Show map** button on the **MAIN MENU**



- ⇔ Via the **Select on map** button on the **DESTINATION** screen
- ⇔ Via the **Show on map** button on the **ADDRESS** screen after having entered an address.

### *Standard mode*

In "standard mode", you may display the map

- ⇔ Via the **Show on map** button on the **ADDRESS** screen after having entered an address.

The **MAP** screen opens.



The map is being displayed automatically when you start navigating.

*Tapping the map*

Tapping short any place on the map makes the **ADDITIONAL FUNCTIONS** screen appear. Depending on whether you are in navigation mode or not this screen offers different functions.

Tapping long a certain place on the map (tap and hold) makes information on that place appear. You may then, e.g., take over the data for navigation purposes.



For details, please refer to "Indicating destinations on the map", page 44.



## Icons

### Survey

The Map screen disposes several icons which allow altering the representation of the map.



(When without GPS-reception)

#### Hide/show icons

This icon allows you to hide all other icons in order to see more of the map.

Tap this icon again to show the other icons.



(When with GPS-reception)

#### Automode

Tap this icon to display the standard representation of the map after you have modified the view.

The settings of north orientation and auto zoom mode will be applied. Your current position will be centred. The icons will not be displayed.



For details, refer to "Automode", page 91.

### Freeze

This icon is activated in navigation mode only.

Tap the **Freeze** icon



to toggle between "Frozen map" and "Frozen position".



#### Frozen position (default)

This mode (button down) makes the map scroll continually. Your current position (green arrow) is always centred in the bottom third of the map.



#### Frozen map

This mode (button up) freezes the map. Your current position (green arrow) moves over the map and may even leave it.

This mode applies automatically when you scroll the map in navigation mode. Otherwise the system would always try to keep your current position in the bottom third of the map.

Select this mode when you want to select a destination from the map while navigation is in progress.

### Zoom / Scroll

Tap the **Zoom/Scroll** icon



to toggle between Zoom and Scroll mode.



#### Zoom

In Zoom mode (Button up) you may scale the map up or down. Zoom in by drawing a rectangle on the map, beginning with the upper left corner. Zoom out by beginning with the lower right corner.



#### Scroll

In Scroll mode (button down) you may scroll the map. Tap on the screen and drag to the desired direction.



Entire route

Tap the **Itinerary** icon to display the whole itinerary.

*Map in driving direction/north oriented*

Tap the **In driving direction/North oriented** icon



to switch between the two available modes of map orientation. (North orientation / orientation in driving direction).



**North orientation**

Tap this icon (button down) to orientate the map north up.



Tap this icon (button up) to orientate the map in driving direction.



**3D view**

Tap this icon to display the map in 3D mode (bee flight view).



**2D view**

Tap this icon to return to the 2D mode (standard).



Zoom in

Tap **Zoom in** to scale the map down.



**Zoom bar**

Tap one of the zoom bar sections to modify the scale of the map.



Zoom out

Tap **Zoom out** to scale the map up.

**Additional functions**

Tapping short any place on the map makes the **ADDITIONAL FUNCTIONS** screen appear. Depending on whether you are in navigation mode or not this screen offers different functions.

The range of offered functionality depends also on whether you are working in standard or in extended mode.



For information on how to change the user mode, please refer to "Changing the user mode", page 24.

The **ADDITIONAL FUNCTIONS** screen opens:



Tap this icon to toggle between "Day" and "Night" map view mode.

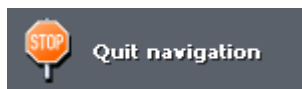


Tap this icon to switch the voice instructions on / off.



### Preferences

Tap **Preferences** to display the **SETTINGS** screen. For details, please refer to "Settings", page 86.



### Quit navigation

This function is only available in navigation mode. Tap **Quit navigation** to exit navigation mode.

### Block road, Unblock

These functions are only available in navigation mode.



For details, please refer to "Blocking a route section", page 83.

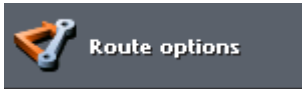


### Set interim destination

This function is only available in navigation mode. Tap **Set interim destination** to add a new route point to your itinerary. The route will be recalculated and the newly added route point will be the first destination to navigate to. Navigation to the other route points will be executed later.



For details, please refer to "Adding a stage point during navigation", page 82.

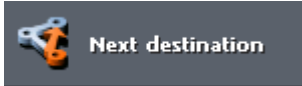


### Route options

This function is only available in navigation mode. Tap **Route options** to modify them.



For details, please refer to "Routing options", page 92.



### Next destination

This function is only available when you are navigating a route with at least one stage point and when you are working in extended mode.

Use this function if you want to skip the next stage point.

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.

Tap the **Next destination** button to navigate to the stage point after the next (here: "Company B").

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



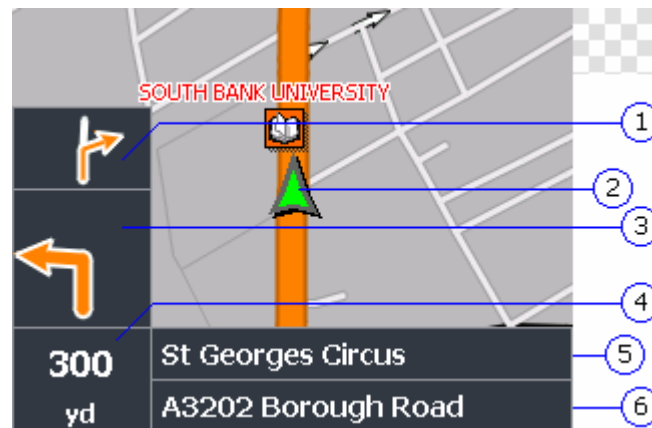
Refer also to "Next destination", page 83.


## 6.3 Representation of the map in navigation mode

In navigation mode, there is some assistance for navigation, some information on the itinerary and one more command button being displayed:

*Assistance for navigation*

The following assistance for navigation is being displayed at the left and at the bottom of the map:



| Field | Information   |
|-------|---|
| ①     | If there are two manoeuvres to be executed quickly one after the other, the small upper arrow field indicates the manoeuvre to be executed immediately after the next manoeuvre.  |
| ②     | The green arrow indicates your current position on the map. Since the displayed sector of the map changes continually your current position is centred on the map whenever possible (Moving Map).   |
| ③     | The bigger arrow field indicates the next manoeuvre to be executed.   |
| ④     | The distance field indicates the distance to the next manoeuvre. When you approach, the representations changes into a distance bar: <div style="text-align: center;">  </div> The more yellow bars are displayed the nearer you are to the place where the next manoeuvre must be executed. |
| ⑤     | The upper street field indicates the name of the next street to turn on.  |
| ⑥     | The lower street field indicates the name of the street you are currently on.   |

*Signpost info*

The upper part of the Map screen displays information on the signposts you have to follow:

**M77 Kilmarnock**



**Note:** This information can only be displayed when it is contained in the cartographic material.

*Speed limit*

The left part of the map screen shows possible speed limits:



Possible restrictions of validity are shown beneath (e.g. on rain, on snow, at certain hours etc.):



**Note:** This information can only be displayed when it is contained in the cartographic material.

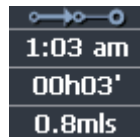



**Caution:** Information contained in the cartographic material can be wrong, e.g. due to road works.

Traffic situation and road traffic regulations are absolutely prior to the information given by the navigation system.

*Information on the itinerary*

At the right of the map, the following information on the itinerary is being displayed:



| Field   | Information  |
|---|--|
|  | This symbol means "stage". All information displayed below refers to the next stage point. |
| <b>1:03 am</b>  | ETA (Estimated time of arrival).   |
| <b>00h02'</b>   | Remaining time to arrival (estimated).   |
| <b>0.8mls</b>   | Remaining distance to arrival (estimated).   |



Tap this icon to repeat the last spoken instruction. All available information will be displayed.

The displayed information will be hidden after a few seconds.

## 6.4 Displaying additional information on the map

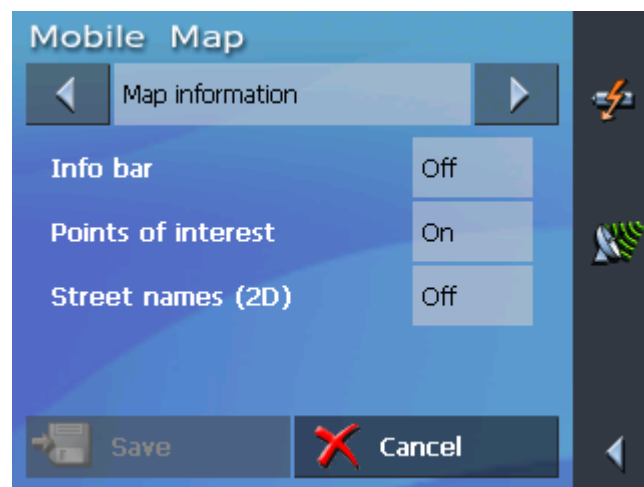
In **Mobile Map** you may determine which information is to be displayed on the map. Modifying any configuration begins on the **SETTINGS** screen.

*Configuring the display of additional information...*

1. Open the **SETTINGS** screen
  - ⇔ by tapping the **Settings** button on the **MAIN MENU**,
  - ⇔ or by tapping short into the map and selecting **Preferences**.

The **SETTINGS** screen opens.

2. Select **Map information** using the arrow buttons:



*Info bar*

The **Info bar** at the bottom of the map displays the scale of the map, the compass, and the current speed. .

3. Tap the respective command button to display (On) or not (Off) the **Info bar**.



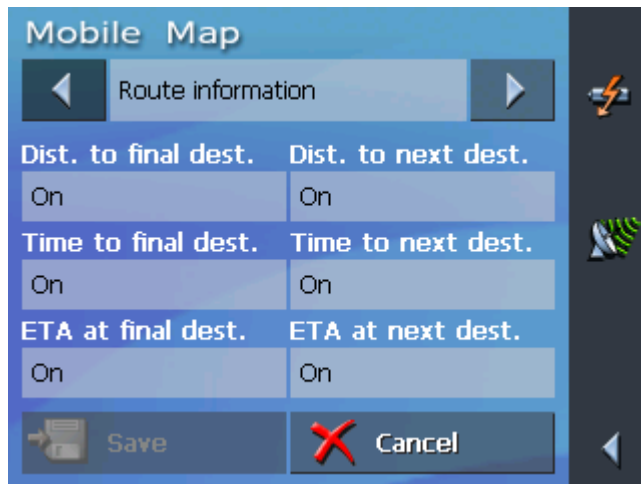
*Points of Interest*

4. Tap the respective command button to display (On) or not (Off) **Points of Interest** on the map.

*Street names*

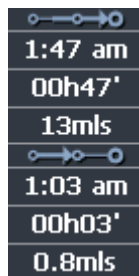
5. Tap the respective command button to display (On) or not (Off) **Street names** on the map.



6. Via the arrow buttons select **Route information**:



7. Tap the command buttons to display (On) or not (Off) the respective information on the map.

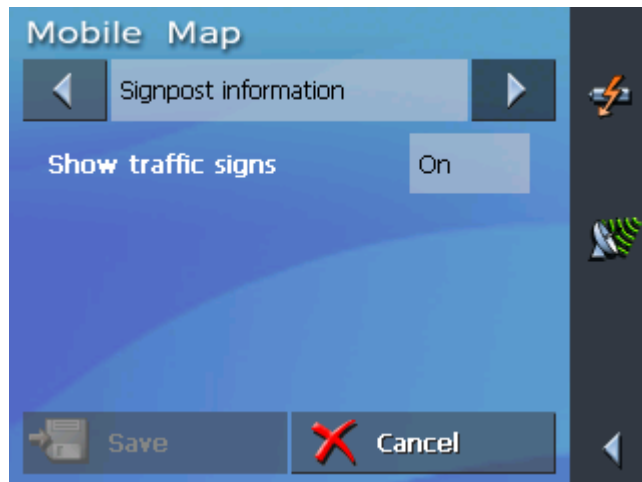
The desired information on the entire itinerary (upper section) and on the current stage (lower section) will be displayed at the right hand side of the map.



| Section   | Information   |
|---|---|
|  | This symbol means "itinerary". All information displayed below refers to the final destination.   |
|  | This symbol means "stage". All information displayed below refers to the next stage point. This section is only available if you have indicated more than one destination to navigate to. |
| Line 2  | ETA (Estimated time of arrival).  |
| Line 3  | Remaining time to arrival (estimated).  |
| Line 4  | Remaining distance to arrival (estimated).  |



8. Via the arrow buttons select **Signpost information**.



The **Show traffic signs** command indicates whether signposts indicating exits from motorways or highways are currently being displayed or not.

9. Tap the **Show traffic signs** command to toggle between On and Off mode.

The new mode is now indicated on the button.

10. Via the arrow buttons select **Speed limit**.



The **SPEED LIMIT** screen allows you to determine whether you want to display speed limits in navigation mode and whether you want to be warned acoustically on speeding.

| Setting                        | Significance   |
|--------------------------------|--|
| Show traffic signs             | <p>This command indicates whether signposts indicating speed limits are currently being displayed or not.</p> <p>Tap the <b>Show traffic signs</b> command and select whether speed limits should be displayed</p> <p><b>Always</b><br/><b>On speeding only</b> or<br/><b>Never.</b></p> |
| Warning in built-up areas      | <p>This command indicates from how much speeding on you want to be warned when driving within built-up areas.</p> <p>Tap the <b>Warning in built-up areas</b> command to select another value or to set it to <b>Never.</b></p>  |
| Warning outside built-up areas | <p>This command indicates from how much speeding on you want to be warned when driving outside built-up areas.</p> <p>Tap the <b>Warning outside built-up areas</b> command to select another value or to set it to <b>Never.</b></p>  |
| Warning                        | <p>This command indicates whether you want to be warned on speed limits that are valid on rain, on snow, or at certain hours.</p> <p>Tap the <b>Warning</b> command to set the value to <b>Yes</b> or to <b>No.</b></p>  |

11. Tap **Save** to save the modifications.

The modifications will be taken over and displayed on the map.

# 7 Useful functions for navigation

## Topics covered in this chapter:

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|  |         |
|--|---------|
| 7.1 Adding a stage point during navigation | page 82 |
| 7.2 Next destination                       | page 83 |
| 7.3 Blocking a route section               | page 83 |

---

## Survey

In **Mobile Map** the following functions are available in navigation mode:

- ⇔ Adding a stage point during navigation, see below
- ⇔ Skipping the next stage point, see page 83
- ⇔ Blocking a route section, see page 83

## 7.1 Adding a stage point during navigation

---



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Adding a stage point during navigation...*

At any moment during navigation you may add a new stage point to your itinerary. The route will be recalculated in order to make the new stage point the next destination to navigate to. The other remaining stage points will be navigated to after the new one.

### *Adding a stage point...*

Precondition: The map is being displayed in navigation mode.

1. Tap short on any place on the map.
2. Tap **Set interim destination**

The **DESTINATION** screen opens.

3. Indicate the new stage point as described in "Indicating a destination", page 35.
4. Tap the **Set as route point** button.

The route will be recalculated in order to make the new stage point the next destination to navigate to.



---

**Note:** Select the new stage point directly on the map, just as described in "Indicating destinations on the map", page 44. Tap the respective place and hold. From the context menu, select **Add as route point**.

---

## 7.2 Next destination

---



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Next destination*

#### **Next destination**

This function is only available when you are navigating a route with at least one stage point and when you are working in extended mode.

Use this function if you want to skip the next stage point.

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.

Tap the **Next destination** button to navigate to the stage point after the next (here: "Company B").

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

## 7.3 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.

### *Blocking a route section...*

Precondition: The navigation system is in navigation mode and the map is being displayed.

1. Tap short on any place on the map.

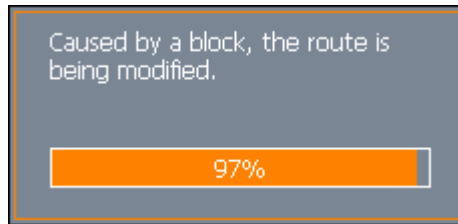
2. Tap **Block road**.

The **BLOCKING** screen opens.

2. Enter how many miles (from your current position on) you want to block.

3. Tap **OK**.

This forces a recalculation of the route. The indicated route section will be evaded. On the map, it will be highlighted in red.



*Unblocking a route section*

1. Tap short on any place on the map.
2. Tap **Unblock**.

The route section is now unblocked. The navigation system uses the route, which had been calculated originally.

# 8 Configuring Mobile Map

## Topics covered in this chapter:

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|     |                          |         |
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|     | User mode                |         |
|     | Map information          |         |
|     | Route information        |         |
|     | Signpost information     |         |
|     | Speed limit              |         |
|     | Volume                   |         |
|     | Representation           |         |
|     | Touch screen calibration |         |
|     | Automode                 |         |
|     | Routing options          |         |
|     | Itinerary                |         |
|     | Time zone                |         |
|     | Format                   |         |
|     | Home address             |         |
|     | Radio-Mute               |         |
|     | Product information      |         |

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## 8.1 Settings

---

### *Configuration*

In **Mobile Map**, you may modify the following settings:

- ⇔ User mode, see page 87
- ⇔ Map information, see page 87
- ⇔ Route information, see page 88
- ⇔ Signpost information, see page 89
- ⇔ Speed limit, see page 90
- ⇔ Volume, see page 90
- ⇔ Representation, see page 90
- ⇔ Touch screen calibration, see page 90
- ⇔ Automode, see page 91
- ⇔ Routing options, see page 92
- ⇔ Itinerary, see page 92
- ⇔ Time zone, see page 93
- ⇔ Format, see page 93
- ⇔ Home address, see page 93
- ⇔ Radio-Mute, see page 94
- ⇔ Product information, see page 94

On the **MAIN SCREEN**, tap the **Settings** button to configure **Mobile Map**.

On the **SETTINGS** screen, tap the arrow icons to select the configuration you want to modify.

Tap the **Save** button to apply your modifications if you have made some.



## 8.1.1 User mode

### *User mode*

On the **USER MODE** screen, you may effect the following modifications:

Your current user mode is indicated on the **Current user mode** field.

Tap **Current user mode** to switch to the other user mode.

The name of the user mode you want to switch to becomes the caption of the entry field.

Tap **Save** to save the changes.



**Note:** When you switch to standard mode, a dialog window asks you whether you want to keep the configuration changes you have made in extended mode. This dialog window appears even when you have not made any configuration changes. Tap **Yes**.

### *Restoring the factory settings...*

1. If you want to restore the factory settings, tap the **Factory settings** command.
2. Confirm the restoration.

## 8.1.2 Map information




This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Info on the map*

On the **MAP INFORMATION** screen, you may effect the following modifications:

| Element            | Signification   |
|--------------------|---|
| Info bar           | <p>The <b>Info bar</b> at the bottom of the map displays the scale of the map, the compass, and the current speed.</p> <p>Tap the respective command button to display (On) or not (Off) the <b>Info bar</b>.</p>  |
| Points of Interest | <p>Tap the respective command button to display (On) or not (Off) <b>Points of Interest</b> on the map.</p>   |
| Street names       | <p>Tap the respective command button to display (On) or not (Off) <b>Street names</b> on the map.</p>   |

### 8.1.3 Route information

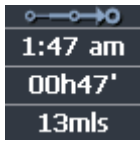
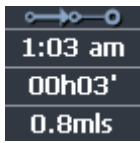


This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

*Route info*

On the **ROUTE INFORMATION** screen, you may effect the following modifications:

| Element              | Signification  |
|----------------------|--|
| ETA at final dest.   | ETA (Estimated time of arrival) at the final destination.  |
| Time to final dest.  | Remaining time to the final destination (estimated).   |
| Dist. to final dest. | Remaining distance to the final destination (estimated).   |
|                      | Tap the respective command buttons to display (On) or not (Off) the respective information on the map.<br>All information displayed below refers to the final destination. . |
|                      |    |
| ETA at next dest.    | ETA (Estimated time of arrival) at the next stage point.   |
| Time to next dest.   | Remaining time to the next stage point (estimated).  |
| Dist. to next dest.  | Remaining distance to the next stage point (estimated).  |
|                      | Tap the respective command buttons to display (On) or not (Off) the respective information on the map.<br>All information displayed below refers to the next stage point.    |
|                      |   |
|                      | This section is only available if you have indicated more than one destination to navigate to  |

## 8.1.4 Signpost information

*Signpost information* On the **SIGNPOST INFORMATION** screen, you may effect the following modifications:

The **Show traffic signs** command indicates whether signposts indicating exits from motorways or highways are currently being displayed or not.

Tap the **Show traffic signs** command to toggle between On and Off mode.

The new mode is now indicated on the button.



**Note:** This information can only be displayed when it is contained in the cartographic material.

## 8.1.5 Speed limit

*Speed control* On the **SPEED LIMIT** screen, you may effect the following modifications:

| Setting                        | Significance   |
|--------------------------------|--|
| Show traffic signs             | <p>This command indicates whether signposts indicating speed limits are currently being displayed or not.</p> <p>Tap the <b>Show traffic signs</b> command and select whether speed limits should be displayed</p> <p><b>Always</b><br/><b>On speeding only</b> or<br/><b>Never.</b></p> |
| Warning in built-up areas      | <p>This command indicates from how much speeding on you want to be warned when driving within built-up areas.</p> <p>Tap the <b>Warning in built-up areas</b> command to select another value or to set it to <b>Never.</b></p>  |
| Warning outside built-up areas | <p>This command indicates from how much speeding on you want to be warned when driving outside built-up areas.</p> <p>Tap the <b>Warning outside built-up areas</b> command to select another value or to set it to <b>Never.</b></p>  |
| Warning                        | <p>This command indicates whether you want to be warned on speed limits that are valid on rain, on snow, or at certain hours.</p> <p>Tap the <b>Warning</b> command to set the value to <b>Yes</b> or to <b>No.</b></p>  |



**Note:** This information can only be displayed when it is contained in the cartographic material.



**Caution:** Information contained in the cartographic material can be wrong, e.g. due to road works.

Traffic situation and road traffic regulations are absolutely prior to the information given by the navigation system.

## 8.1.6 Volume

### *Volume*

On the **VOLUME** screen, modify the volume of the spoken indications of the navigation system.

Tap the **Volume** field and select another value.

## 8.1.7 Representation



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Representation*

On the **REPRESENTATION** screen, you may effect the following modifications:

| Setting         | Signification  |
|-----------------|--|
| Skin            | Skins are made to personalize the user interface of <b>Mobile Map</b> . Tap the <b>Skin</b> field. Select one of the available skins and tap <b>OK</b> . |
| Darken at night | Tap this field and select whether the screen or your Pocket PC is to be darkened at night or not.  |

## 8.1.8 Touch screen calibration

### *Touchscreen calibration*

If you think that the touch screen does not perceive contact positions correctly, **Mobile Map** may calibrate it.

Tap the **Start calibration** button and follow the instructions on the display.

## 8.1.9 Automode

---



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Auto mode*

On the **AUTO MODE** screen, you may effect the following modifications:

| Setting     | Signification   |
|-------------|---|
| Begin with  | Select the default map view: <b>2D</b> or <b>3D</b> .   |
| 3D Autozoom | Select the default for navigation with 3D view:<br><b>Autozoom</b> or <b>No Autozoom</b> .<br>With Autozoom, the system changes the scale of the map depending on your current speed: When you drive slowly, the scale becomes small. When you drive fast, the scale becomes high.  |
| 2D Autozoom | Select the default for navigation with 2D view: <b>Low Autozoom</b> , <b>Standard Autozoom</b> , <b>High Autozoom</b> , or <b>No Autozoom</b> .<br>With Autozoom, the system changes the scale of the map depending on your current speed: When you drive slowly, the scale becomes small. When you drive fast, the scale becomes high.<br>The lower the Autozoom, the lower the scale. |
| 2D View     | Select the default for navigation with 2D view: <b>North oriented</b> or <b>In driving direction</b> .  |

## 8.1.10 Routing options

---

### *Routing options*

On the **ROUTING OPTIONS** screen, indicate your speed profile. This entry will have an effect on the calculation of the remaining time and of the **estimated time of arrival (ETA)**.

1. Tap the **Speed profile** button. Select one of the available profiles and tap **OK**.
2. Tap the **Type of routing** field and select one of the following options:

| Option      | Signification                          |
|-------------|--|
| Fast route  | The quickest route will be calculated. |
| Short route | The shortest route will be calculated. |

3. Tap the **Motorways**, **Ferries**, and **Toll roads** fields successively and select one of the following options:

| Option    | Signification  |
|-----------|--|
| Permitted | The respective kind of street will be regarded for route calculation.    |
| Avoid     | The respective kind of street will be avoided if reasonable.             |
| Forbidden | The respective kind of street will be disregarded for route calculation. |

## 8.1.11 Itinerary

---



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Proceeding automatically to the next stage point...*

On the **ITINERARY** screen, determine whether you want to navigate automatically to the next stage point after having reached a stage point (Yes) or not (No).

Tap the **Proceed automatically to the next stage point** button to toggle between Yes and No.

If you don't proceed automatically, you may proceed as follows:

1. In navigation mode, tap short on any place on the map.
2. Select **Next destination**.

## 8.1.12 Time zone

*Calculation of arrival times*

On the **TIME ZONE** screen, select the time zone of the region you are currently staying in. This is necessary for the system to indicate correct times of arrival in navigation mode.

| Element              | Signification   |
|----------------------|---|
| Time zone            | Tap this entry field to select the time zone of the region you are currently staying in.  |
| Daylight saving time | Tap this entry field to switch between daylight saving time (yes) and standard time (no). |



**Note:** If there is a clock change or if you are travelling into another time zone, you will have to adjust the respective setting.

## 8.1.13 Format

*Units*

On the **FORMAT** screen, determine which units are to be used for time and distance indications.

| Setting  | Signification  |
|----------|--|
| Time     | Tap the <b>Time</b> field to toggle between <b>12 hours</b> (AM/PM) and <b>24 hours</b> time format. |
| Distance | Tap the <b>Distance</b> field to toggle between <b>kilometres</b> or <b>miles</b> distance units.    |

## 8.1.14 Home address

*Home address*

On the **HOME ADDRESS** screen, you may save your home address to quickly start navigation homewards from anywhere.

1. Tap **Enter your home address**.  
The **DESTINATION** screen opens.
2. Tap the **Address** button and enter your home address as described in "Entering an address", page 36.
3. Tap the **Set as home address** button.

The address is indicated on the **HOME ADDRESS** screen.

## 8.1.15 Radio-Mute

---



This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 24.

### *Radio-Mute*

On the **RADIO-MUTE** screen, you may activate the radio-mute function if your hands-free kit is connected to the RADIO-MUTE jack of your car radio. Possible retardations of the hands-free kit will then have no negative effects on the spoken indications of the navigation system.

## 8.1.16 Product information

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### *Product information*

On the **PRODUCT INFORMATION** screen, the name and the version of the software are displayed.

Tap **Show intro** to make the system explain its most important functions.



## 9 Glossary

|                            |   |
|----------------------------|---|
| <i>COM-port</i>            | A COM port is a connector to a communications interface, usually the serial port. The ports are numbered by a number behind "COM". A communications interface is designed to connect hardware like a mouse or a GPS receiver.   |
| <i>GMT</i>                 | GMT ( <b>Greenwich Mean Time</b> ) 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 ( <b>Universal Time Coordinated</b> ) which is an ultra stable time standard based on atomic clocks. |
| <i>GPS</i>                 | <p>The GPS (<b>Global Positioning System</b>) is based on 24 satellites which 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.</p> <p>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.</p>   |
| <i>HDOP</i>                | The <b>H</b> orizontal <b>D</b> ilution of <b>P</b> 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.  |
| <i>POI</i>                 | <b>P</b> oint of <b>I</b> nterest (POI). See →Special destination.  |
| <i>Special destination</i> | Special destinations, also called POI ( <b>P</b> oints of <b>I</b> nterest), are covered by the map and may be displayed on it. Harbours, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the special destinations. You may determine special destinations as itinerary points for navigation purposes.  |



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