



User's manual MioMap 2.0

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1 Introduction

Topics covered in this chapter:

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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 |
|---------------------------|--|
| bold | Buttons, icons, names of entry fields, and elements of the software's user interface. Also used for highlighting warnings and notices. |
| <i>bold italic</i> | Registered names and trademarks. |
| SMALL CAPITALS | Window and dialogue box titles. |
| <i>underlined italic</i> | 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 MioMap . |
|  | Indicates additional information. |
|  | Warns against dangers that might cause damage to objects and persons. |
|  | This symbol refers to functions that can only be executed if your navigation device is connected via Bluetooth to a mobile telephone. |

1.2 Liability

Limitation of liability

The software and the manual are subject to change without notice. Mio Technology Europe 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 Support

| | | |
|-----------------------------------|-----------------|----------------|
| <i>Customer Care, Hotline</i> | UK | 0207 294 0074 |
| | Austria | 01 36027 72066 |
| | Belgium | 02 620 0097 |
| | Denmark | 08233 3109 |
| | Finland | 09 8171 0253 |
| | France | 01 4993 2253 |
| | Germany | 069 95 307174 |
| | Italy | 02 3859 1184 |
| | Luxemburg | 027 30 21 50 |
| | The Netherlands | 020 654 5559 |
| | Norway | 02350 0063 |
| | Portugal | 021 316 4190 |
| | Spain | 091 375 3020 |
| | Sweden | 08 5199 2352 |
| Switzerland | 022 567 5133 | |

1.4 Trademarks

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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.

- ⇔ Windows and ActiveSync are trademarks of the Microsoft Corporation.
- ⇔ Navigon is a registered trademark of the NAVIGON Company.

2 Before you begin

Topics covered in this chapter:

| | | |
|-----|---|--------|
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| 2.2 | Important safety information | page 9 |
| | Safety information on navigation | |
| | Safety information on the installation in the vehicle | |

2.1 The basic principle of navigation

| | |
|--------------------------------------|--|
| <i>MioMap</i> | The time of complicated and frustrating inquiries on the right way in folded maps is over. From now on MioMap , your navigation system, will guide you, based on satellite information, quickly and safely to your destination. |
| <i>GPS-based navigation</i> | <p>The Global Positioning System (GPS) has originally been developed in the 70ies, as a weapon guidance system for the American forces.</p> <p>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.</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>Navigation with GPS</i> | <p>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.</p> <p>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.</p> <p>As the determination and representation of your position is carried out once a second, you may watch your movements on the map.</p> |
| <i>Traffic information with TMC)</i> | The Traffic Message Channel (TMC) provides the navigation system with the latest traffic information. An external TMC receiver, which is connected to your device receives these signals broadcasted by radio stations. |
| <i>TMC Operating mode</i> | <p>The Traffic Message Channel (TMC) is based on a news system. Traffic information is recorded continually this is done automatically by sensors on the motorways and by the police. This information is then forwarded to the radio stations without delay. It is digitally coded, differentiated according to routes and driving directions and transmitted inaudibly.</p> <p>The TMC-receiver extracts the TMC data from the RDS signal and provides the navigation software with them. Current traffic obstructions may then be displayed.</p> <p>The reported obstructions may be considered for route calculation. In case of obstructions on the computed itinerary, they may be used for computing an alternative route, which evades the obstruction.</p> <p>MioMap features dynamic navigation, which is well adapted to the current traffic situation.</p> |

2.2 Important safety information

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 *MioMap* is executed at your own risk.



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



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.



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



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!



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.

2.2.2 Safety information on the installation in the vehicle



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



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

3 Operating the navigation software

Topics covered in this chapter:

| | | |
|-----|------------------------------|---------|
| 3.1 | Hardware keys | page 12 |
| 3.2 | Software keyboard | page 12 |
| | Standard keyboard | |
| | Character keyboard | |
| | Mobile phone keyboard | |
| 3.3 | Command buttons | page 17 |
| | Command buttons with caption | |
| 3.4 | Lists | page 21 |

3.1 Hardware keys

Key configuration

In **MioMap**, you may configure the hardware keys of your Pocket PC to execute the "Up", "Down", "Left", "Right", "OK" and "Return" actions. This enables convenient and easy operation.

When you quit the navigation software, the keys will have their standard functionality.

1. On the main screen, tap **Settings**.

The **SETTINGS** screen opens.

Via the arrow buttons, select the **KEYPAD** screen.

Tap **Key assignment**.

Select the keys for the respective actions.

Tap the **Save** button.

Hardware keys

On your device, there are the following hardware keys which allow to accede quickly the most important functions:

3.2 Software keyboard

Survey

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



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

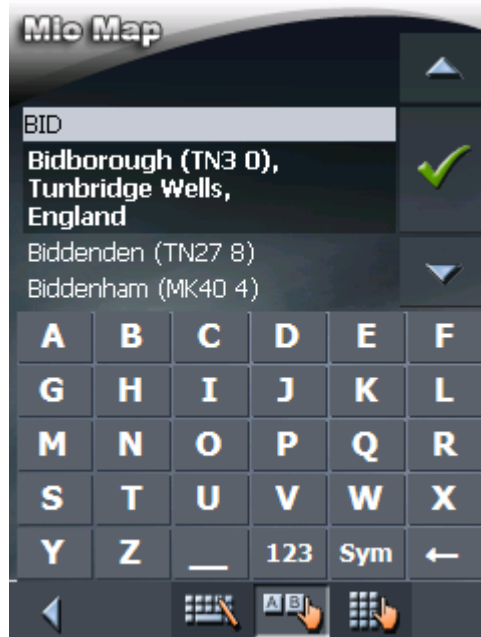
3.2.1 Standard keyboard



Use the stylus to operate the standard keyboard.

You may use small or capital letters for entering destination data. And you need not enter special characters when entering a destination's town or street name. **MioMap** replaces these characters automatically. When you are looking for, e.g., a French town called "Héroinès", simply type "heroines".


3.2.2 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. **MioMap** 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.

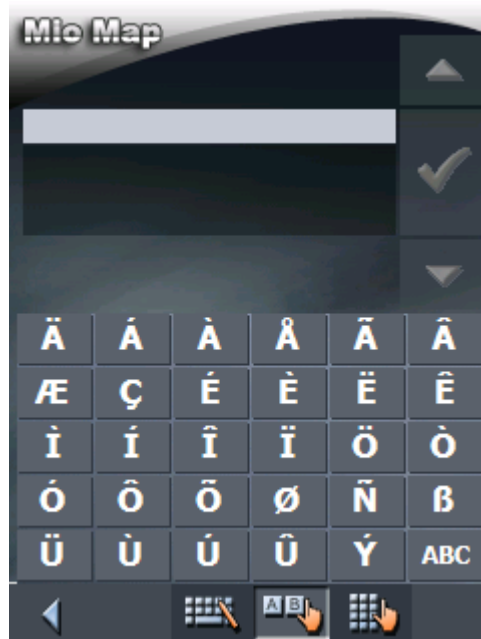
*Switching between
character and
number entry...*

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

Tap the  icon to return to the character entry mode.

Special characters

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.

3.2.3 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. **MioMap** 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.

3.3 Command buttons

Icons

The following buttons appear at the right margin of every **MioMap** 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 middle of the right margin of the screen. The figure on the GPS symbol shows how many GPS satellites are being received. The different GPS-icons have the following significance:

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

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






| Entry | Significance |
|----------------------|--|
| GMT | Greenwich Mean Time Time of London ignoring daylight saving time. |
| Longitude / Latitude | Current position: 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 | Horizontal Dilution of Precision: 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 FAVOURITES . |
| Quit | Tap this button to quit the GPS screen. |

TMC

The **TMC** symbol is placed at the right margin of the screen. The figure on the TMC symbol shows how many valid traffic announcements have been received. The different TMC-icons have the following significance:

| Symbol | Significance |
|---|---|
|  No TMC | No TMC receiver connected -OR- The TMC receiver is turned off or not connected correctly. |
|  Searching for broadcast station | The TMC-receiver is ready but cannot receive TMC signals. This is the case when, e.g., you are in an area where TMC is not available. |
|  TMC ready | TMC signals are being received. |



TMC

Tap this icon to display TMC information.



For details on the TMC functionality, please refer to "Using TMC functionality", page 109.

3.3.1 Command buttons with caption

Command buttons

You will find command buttons with captions on almost every screen of **MioMap**. 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**, **Navigation** 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 or Postcode**, **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 21.

3.4 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 2nd or 3rd 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.

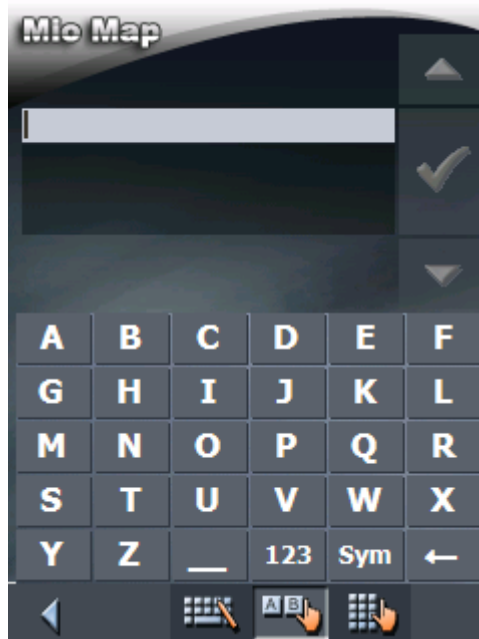


Down: Tap this icon to scroll the list one item down.

Example

Search for BICKNOR.

1. In the **MAIN MENU** tap **Navigation**.
The **DESTINATION** screen opens.
2. Tap **Address**.
The **ADDRESS** screen opens.
3. Tap the **Town or Postcode** entry field.
The software keyboard appears.

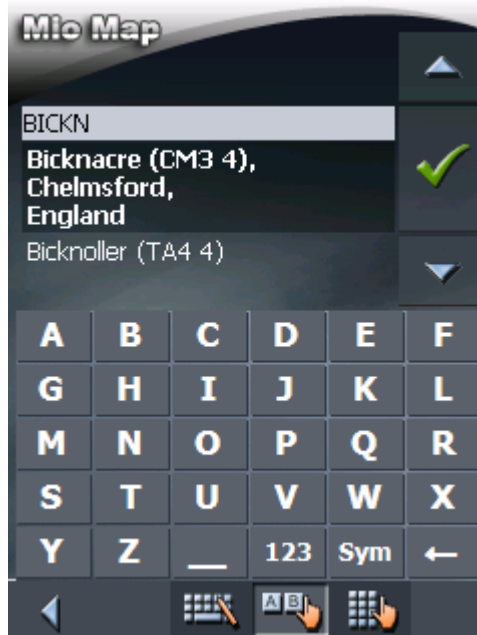


4. Enter the letters BICK.
All towns beginning with BICK or having BICK in their names are listed.



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.

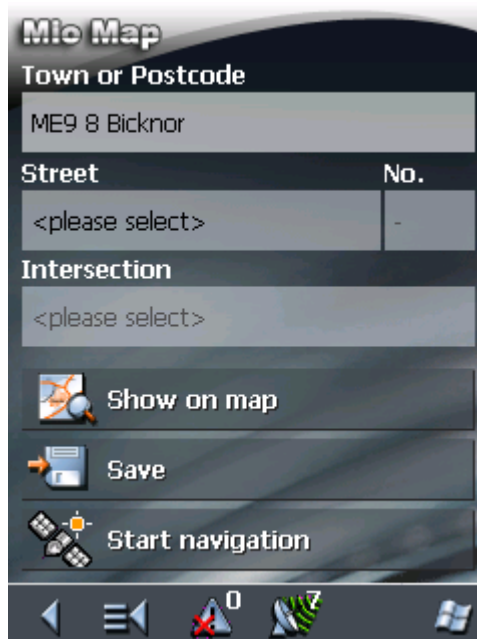
6. Tap the **Down** icon repeatedly until BICKNOR appears directly under the white entry field.

The entry BICKNOR has the focus.



7. Tap .

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



4 User modes

Topics covered in this chapter:

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4.1 Two different user modes

Survey

MioMap 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.

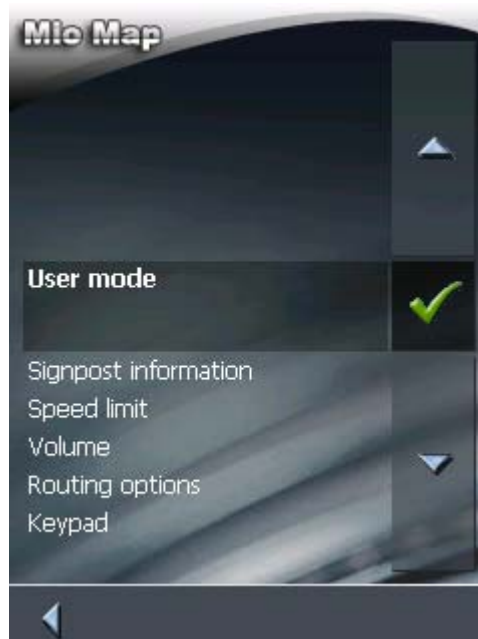
Some configuration settings have an effect on the work in standard mode but can only be changed in extended mode. For further information, please refer to "Configuring MioMap", page 115.

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 opens:

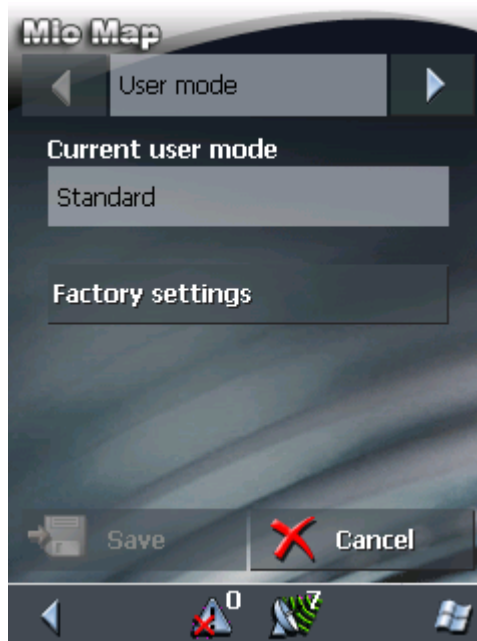


The **User mode** entry is at the top of the list. If it is not selected, tap the **Up** icon repeatedly until **User mode** is selected.

2. Tap .



The **USER MODE** screen opens:



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 **MioMap**. 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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| | Standard mode | |
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| | Selecting a point of interest | |
| | Entering the geographic coordinates of a destination | |
| | Selecting destinations from the contacts list | |
| | Indicating destinations on the map | |
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| | 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 80 |
| | Navigating to a destination the coordinates for which have been stated | |
| 5.8 | Starting navigation in linear distance mode | page 84 |
| 5.9 | Bad GPS reception | page 86 |

5.1 General information on navigation

Use of *MioMap* 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 *MioMap* unless circumstances and the road traffic regulations allow doing so. *MioMap* 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 *MioMap* 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** opens. 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!"

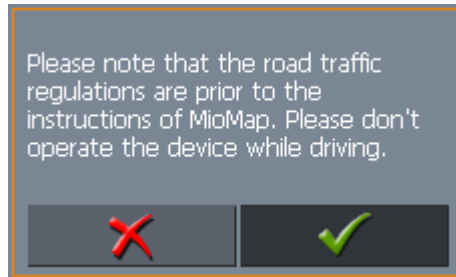
The map is no more presented in navigation mode. A small green arrow indicates your current position.



5.2 Starting MioMap

Starting the navigation software...

1. Turn your Pocket PC on.
2. Tap the **MioMap** icon on the desktop.

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



3. 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** opens:

Main screen



All functions of the program are accessible via the **MAIN SCREEN**.

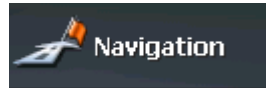


Note: When you turn your device on it shows the screen which was displayed when it was turned off. Nevertheless, you may access the Main screen from all other screens by tapping



One destination

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



For details, please refer to "Indicating a destination", page 33.

Navigation homewards

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



For details, please refer to "Using your home address", page 60.

Navigation via voice command

Tap the **Voice command** icon to start navigation to a favourite via voice command.



For details, please refer to "Voice command", page 61.

Route planning

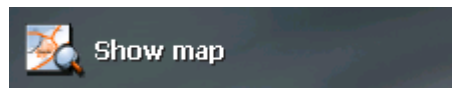
Tap the **Route planning** button for itinerary planning purposes.



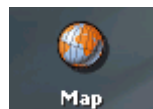
For details, please refer to "Indicating several destinations (Itinerary with stages)", page 65.

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 87.

Settings

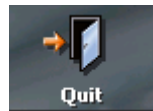
Tap the **Settings** button to modify the settings of *MioMap*.



For details, please refer to "Settings", page 116.

Quit

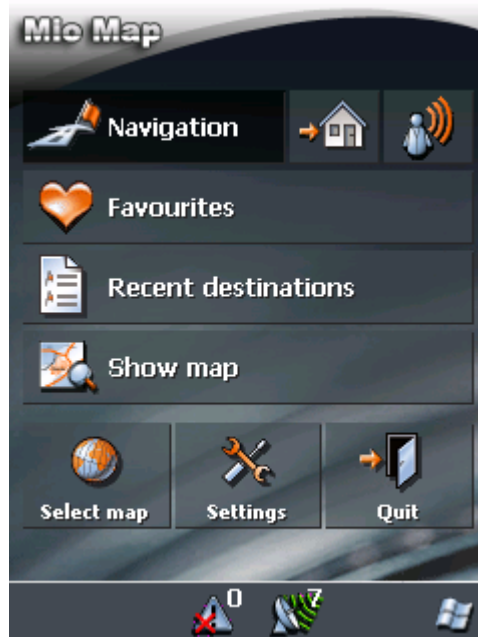
Tap the **Quit** button to quit *MioMap*.



5.2.2 Standard mode

The **MAIN SCREEN** opens:

Main screen

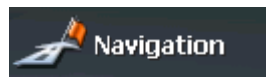


Note: When you turn your device on it shows the screen which was displayed when it was turned off. Nevertheless, you may access the Main screen from all other screens by tapping



One destination

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



For details, please refer to "Indicating a destination", page 37.

Navigation homewards

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



For details, please refer to "Using your home address", page 60.

Navigation via voice command

Tap the **Voice command** icon to start navigation to a favourite via voice command.



For details, please refer to "Voice command", page 61.

Favourites

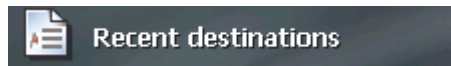
Tap the **Favourites** button to navigate to a favourite.



For details, please refer to "Favourites", page 57.

Recent destinations

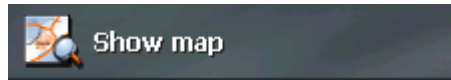
Tap the **Recent destinations** button to select a destination entered previously.



For details, please refer to "Recent destinations", page 59.

Display the map

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

*Select map*

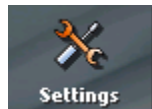
Tap the **Select map** button to select another map from the memory card which is currently inserted.



For details, please refer to "Working with the map", page 87.

Settings

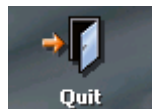
Tap the **Settings** button to modify the settings of *MioMap*.



For details, please refer to "Settings", page 116.

Quit

Tap the **Quit** button to quit *MioMap*.



5.3 Basic settings

Basic settings

Before working with **MioMap**, we recommend

⇔ entering the home address. You may then easily start navigation homewards from anywhere.

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



The **CONFIGURATION** screen opens.

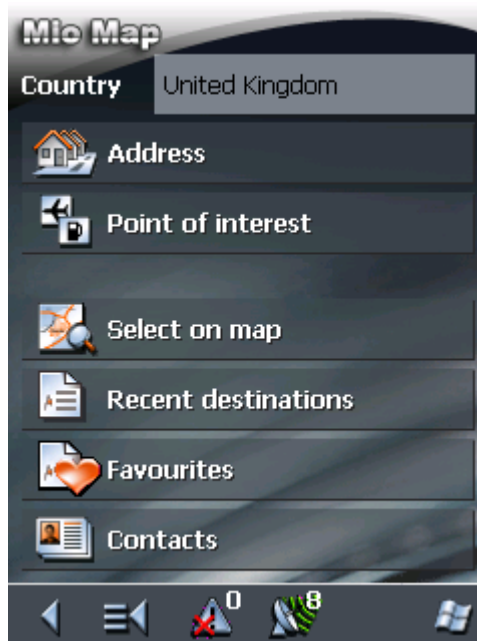
Saving your home address...

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



3. Tap **Enter your home address**.

The **DESTINATION** screen opens.



4. Tap the **Address** button and enter your home address as described in "Entering an address", page 38.



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

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



6. 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 **MioMap**.

For details on how to start navigation to a destination, please refer to "Starting navigation", page 80.

Indicating a destination

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

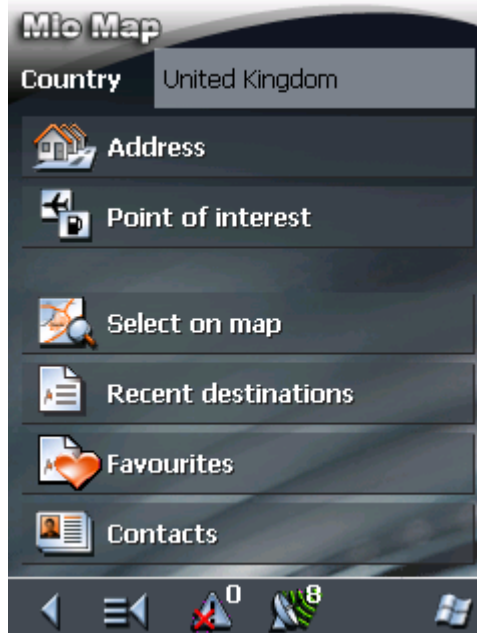
- ⇔ Entering an address, see page 38
- ⇔ Selecting a point of interest, see page 40
- ⇔ Entering the geographic coordinates of a destination, see page 48
- ⇔ Selecting destinations from the contacts list, see page 52
- ⇔ Indicating destinations on the map, see page 54
- ⇔ Favourites, see page 57
- ⇔ Recent destinations, see page 59
- ⇔ Using your home address, see page 60
- ⇔ Voice command, see page 61

5.4.1 Entering an address

Extended mode

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

The **DESTINATION** screen opens.



- 1a 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.



- 1a 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 21.

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 62.

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

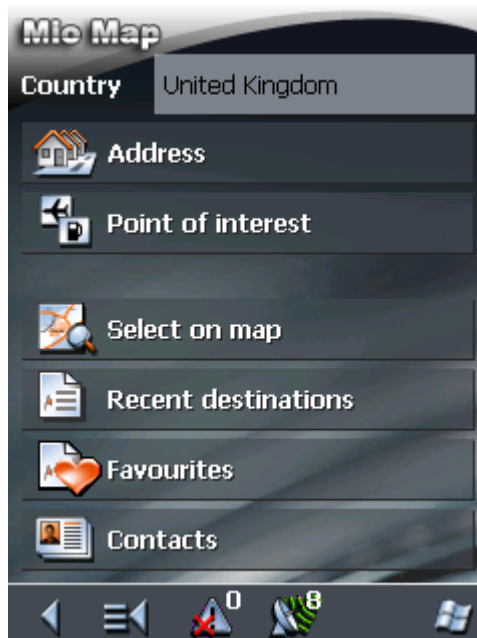


Note: You may only select Points of interest nearby when the GPS receiver is turned on and when the GPS signal strength is sufficient.

Extended mode

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

The **DESTINATION** screen opens.



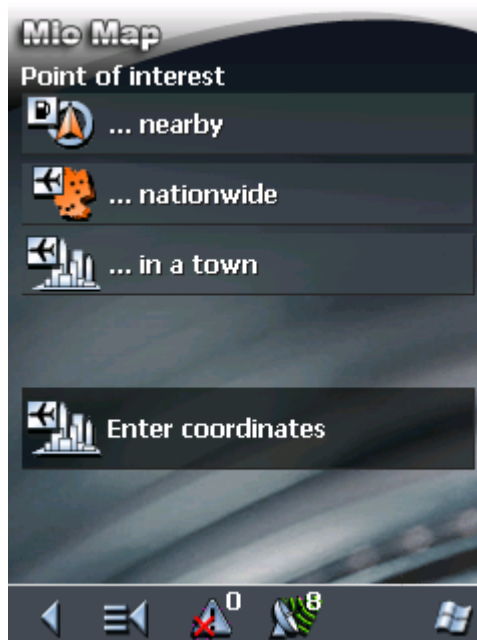
- 1a Tap the **Country** entry field and select the destination country if it is not yet indicated.



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.



1a 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**.

Selecting a Point of interest 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 21.



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: As soon as you have selected a point of interest, a telephone number is displayed beneath the destination. If it concerns, for example, a restaurant, you can then find out if there's a free table.

The telephone number is only displayed if it is available in the data pool.

A given telephone number can also be incorrect, e.g. because it has changed.



Note: If you have connected your navigation device via Bluetooth to a mobile telephone, you can call the telephone number immediately.

To do this, select the **Call** button. *MioMap* starts dialling on the mobile telephone. Now pick up your telephone and start

your conversation.



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.



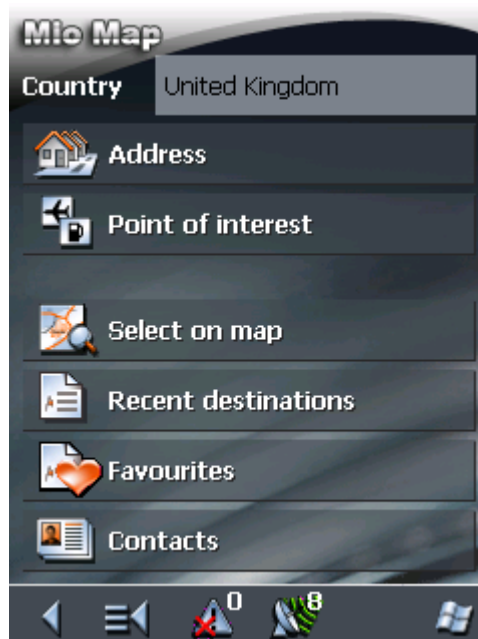
For information on saving destinations, please refer to "Saving a destination", page 62.

Point of interest in a certain town

Extended mode

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

The **DESTINATION** screen opens.



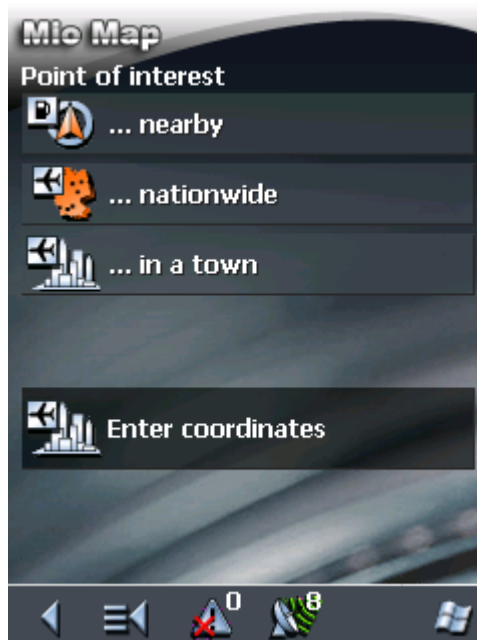
- 1a Tap the **Country** entry field and select the destination country if it is not yet indicated.



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.



1a Tap the **Country** entry field and select the destination country if it is not yet indicated.

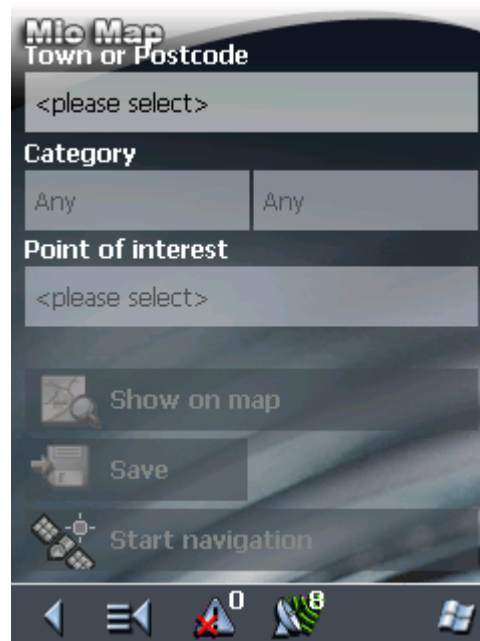


Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

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.

Note: As soon as you have selected a point of interest, a telephone number is displayed beneath the destination. If it concerns, for example, a restaurant, you can then find out if there's a free table.



The telephone number is only displayed if it is available in the data pool.

A given telephone number can also be incorrect, e.g. because it has changed.



For information on working with lists, please refer to "Lists", page 21.



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.



Note: If you have connected your navigation device via Bluetooth to a mobile telephone, you can call the telephone number immediately.

To do this, select the Call **button**. MioMap starts dialling on the mobile telephone. Now pick up your telephone and start your conversation.



For information on saving destinations, please refer to "Saving a destination", page 62.

Point of interest of supraregional significance



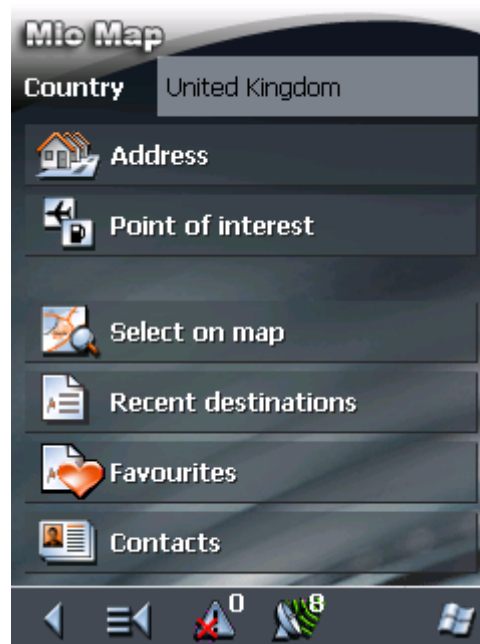
This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 26.

Extended mode

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

The **DESTINATION** screen opens.



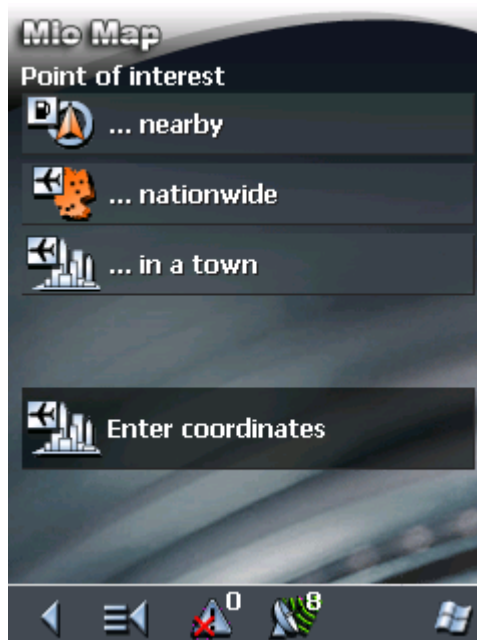
- 1a Tap the **Country** entry field and select the destination country if it is not yet indicated.



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.



Note: As soon as you have selected a point of interest, a telephone number is displayed beneath the destination. If it concerns, for example, a restaurant, you can then find out if there's a free table.

The telephone number is only displayed if it is available in the data pool.

A given telephone number can also be incorrect, e.g. because it has changed.



For information on working with lists, please refer to "Lists", page 21.



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.



Note: If you have connected your navigation device via Bluetooth to a mobile telephone, you can call the telephone number immediately.

To do this, select the **Call button**. MioMap starts dialling on the mobile telephone. Now pick up your telephone and start your conversation.



For information on saving destinations, please refer to "Saving a destination", page 62.

5.4.3 Entering the geographic coordinates of a 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 26.



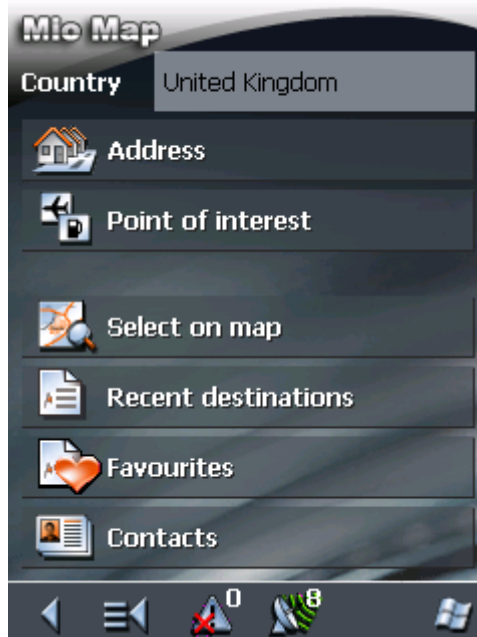
Note: The destination for which you have entered coordinates might not be located on the road network covered by the map.

In this case, the destination is correctly shown on the map, but navigation can only lead up to the nearest point on a street that is recorded in the map.

Please refer to chapter "Navigating to a destination the coordinates for which have been stated" on page 83.

Extended mode

1. In the **MAIN MENU**, tap **Navigation**.
The **DESTINATION** screen opens.

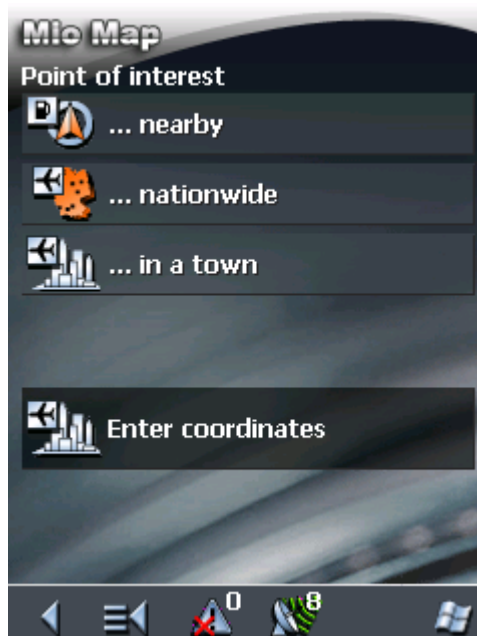


Tap the **Country** entry field and select the destination country if it is not yet indicated.



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:

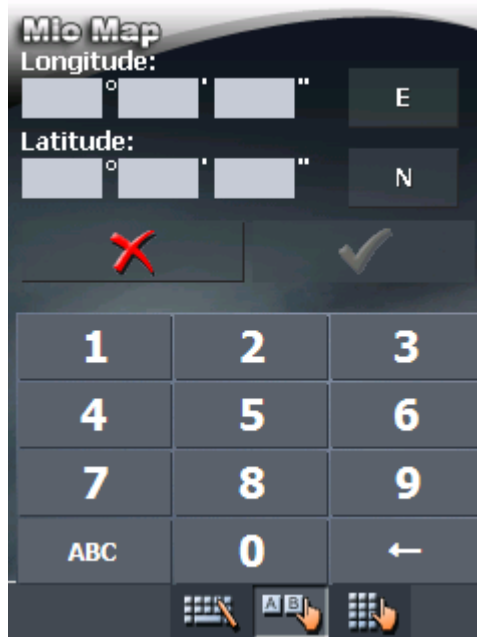


- 1c On the **POINT OF INTEREST** screen, tap **Enter coordinates**.

*Entering minutes
and seconds*

5a If you would like to give the coordinates in degrees / minutes / seconds, tap **Enter** $_{\text{ }}^{\circ} \text{ }_{\text{ }}' \text{ }_{\text{ }}''$.

The **MIN / SEC COORDINATE ENTRY** screen opens.



5b Enter the data in the respective field. You can change the point of the compass on the button behind the entry fields.

5c Tap on the  button.

The **DESTINATION COORDINATES** screen opens again:



Your entries will be displayed beneath the entry fields. This display is given in degrees as decimals.

5.4.4 Selecting destinations from the contacts list



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 26.

Using a contact's address as destination...

Any address from the contacts list on your Pocket PC may be used as destination for navigation or itinerary planning purposes.

In order to identify an address clearly and without ambiguity, town, postcode, street, and house number should be indicated.



Note: Only contacts the address of which is covered by the currently loaded map may be used for navigation or itinerary planning purposes.

Incomplete address

If an address cannot be identified without ambiguity e.g. because there are two towns with the same name on the map, **MioMap** lists them all, indicating their postcodes and districts. Select the respective town and tap **OK**.

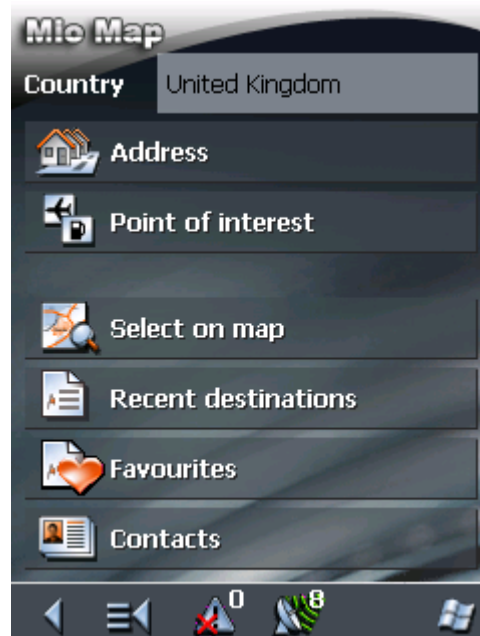
If the town has been found but the street of the contact is not indicated, you will be guided to the centre of this town.

To avoid problems, the addresses from your contacts list should be complete.

Extended mode

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

The **DESTINATION** screen opens.



1a Tap the **Country** entry field and select the destination country if it is not yet indicated.



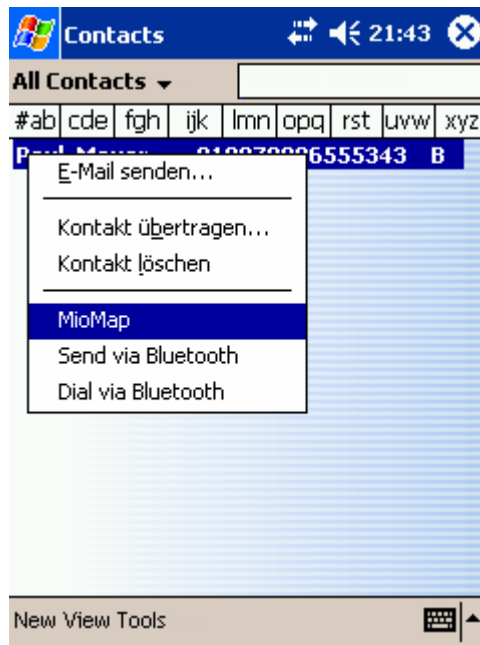
Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

1b On the **DESTINATION** screen, tap **Contacts**.

Selecting a contact's address...

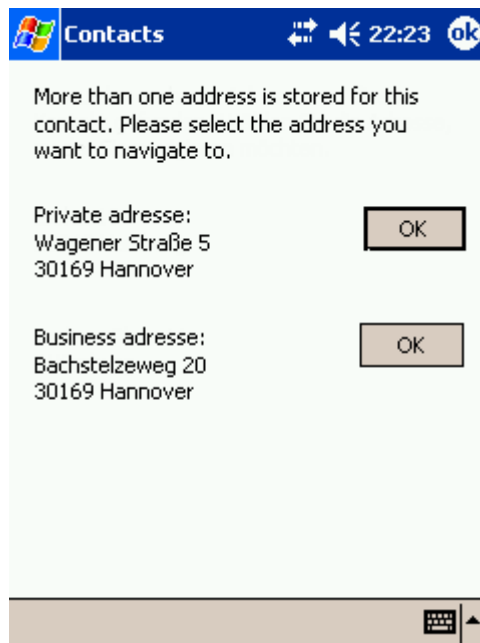
Your Pocket PC's contacts list opens.

2. Tap the respective contact's entry and hold until you get the context menu:



3. Tap **MioMap**.

- 3a The following screen opens when there was more than one address to be found for the respective contact:



- 3b Tap the **OK** button, which belongs to the address you want to use as destination.

MioMap adopts the address.



For information on saving destinations to the **FAVOURITES**, please refer to "Saving a destination", page 62.

5.4.5 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..



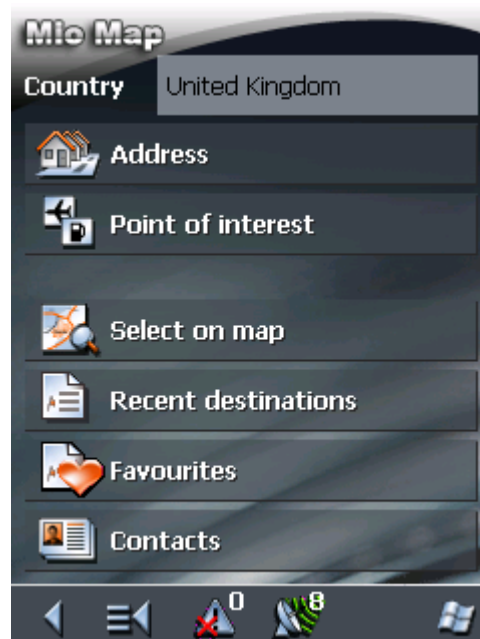
This function is only available in "Extended mode".

For information on how to change the user mode, please refer to "Changing the user mode", page 26.

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.

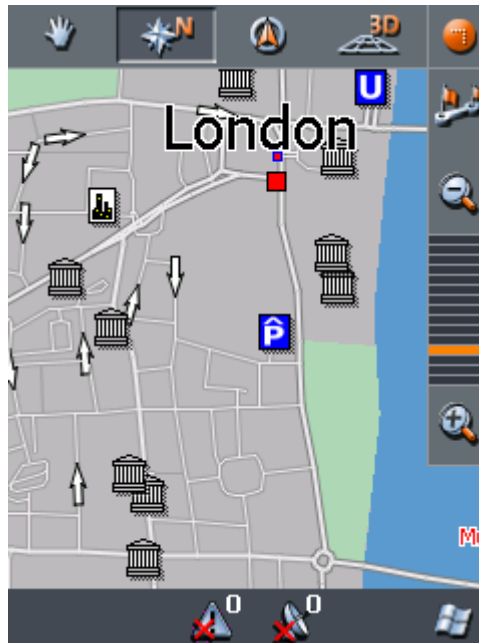


Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

Indicating a destination on the map...

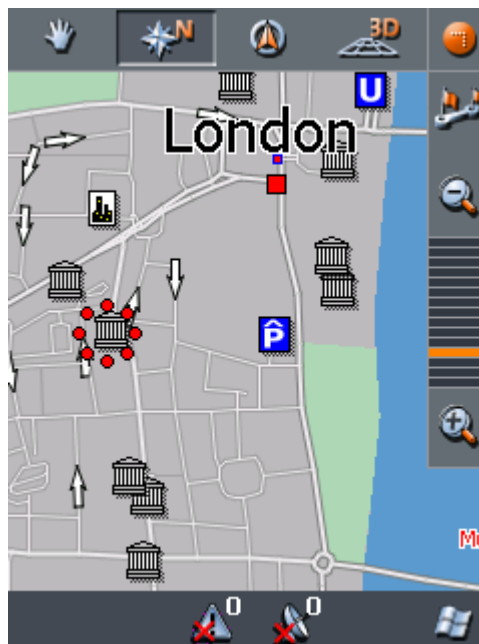
2. On the **DESTINATION** screen, tap **Select on map**.

The **MAP** screen opens:



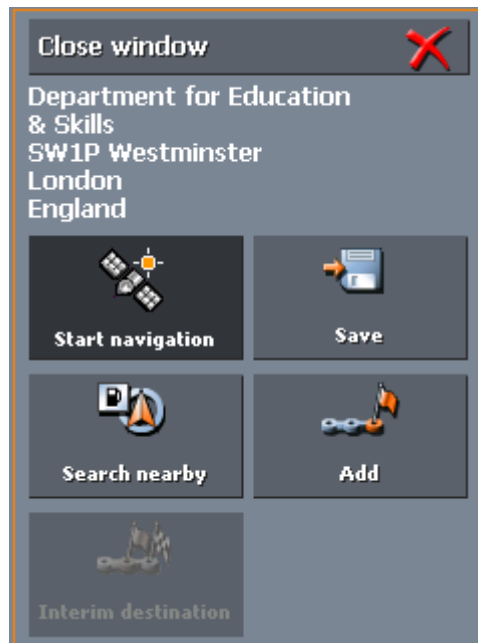
3. Tap on the place you want to determine as destination and hold.

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.



Note: If the chosen destination is a point of interest, a telephone number is displayed beneath the destination. If it concerns, for example, a restaurant, you can find out if there's a free table.



The telephone number is then only displayed if it is available in the data pool.

A given telephone number can also be incorrect perhaps because it has changed.

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.

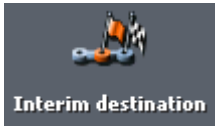


Add

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.



Interim destination

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.

5.4.6 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.



- 1a 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 21.

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 61.

5.4.7 Recent destinations

Survey

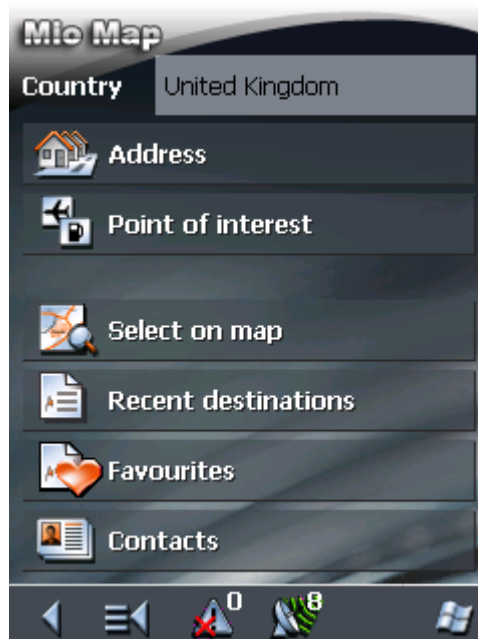
All destinations you have navigated to recently are listed on the **RECENT DESTINATIONS** screen. On this screen you may:

- ⇔ 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.



- 1a 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 21.

3. Tap .

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

5.4.8 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 125.

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 116.

5.4.9 Voice command

Survey

You may store a voice command with any destination of your Favourites. You may then start navigation to this destination "on command".

For information on storing voice commands, please refer to "Storing a voice command", page 63.

Navigating "on command"...

1. On the **MAIN MENU**, tap the **Voice command** icon.



2. Pronounce the voice command of the destination into the Pocket PC when you are prompted to do so.

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



For details, please refer to "Settings", page 116.

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 37

- OR -

You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 59.

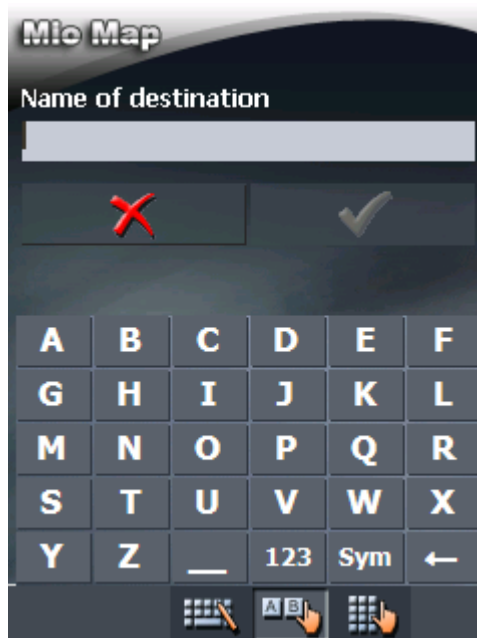
1. Tap the **Save** icon.



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



The **NAME OF DESTINATION** screen opens.



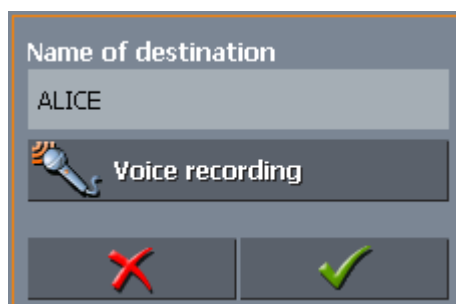
2. Enter a name for the destination.



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

3. Tap .

The **NAME OF DESTINATION** dialog box opens.



4. Tap .

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

5.5.2 Storing a voice command

Survey

You may store a voice command with any destination of your Favourites. You may then start navigation to this destination "on command".

Storing a voice command...

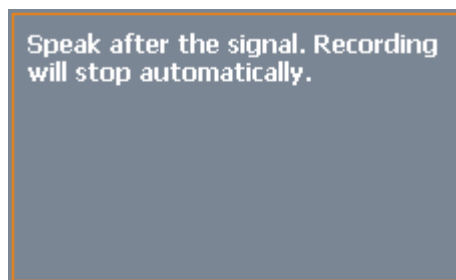
1. Open the **FAVOURITES** screen and select the destination for which you want to store a voice command.
2. Tap the **Edit** icon



The **NAME OF DESTINATION** dialog box opens.



3. Tap the **Voice command** button.
The following message appears:



4. Pronounce the voice command of the destination into the Pocket PC.

The message box closes.

5. In the **NAME OF DESTINATION** dialog box, tap .

The voice command for this destination is now stored.

5.5.3 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 21.

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.

5.5.4 Deleting a destination

Precondition

You have opened the **FAVOURITES** as described in "Favourites", page 57

- OR -

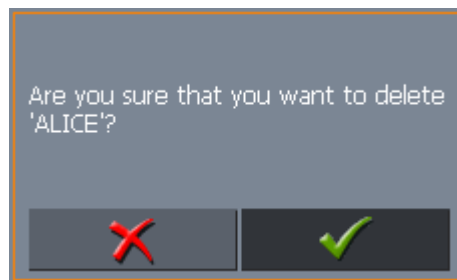
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 59.


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

For information on working with lists, please refer to "Lists", page 21.

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 26.

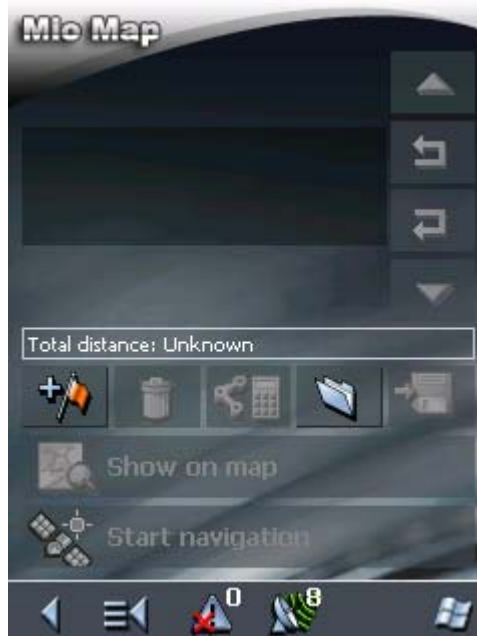
Itinerary planning

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 37.



4. Tap **Add**.

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



- 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

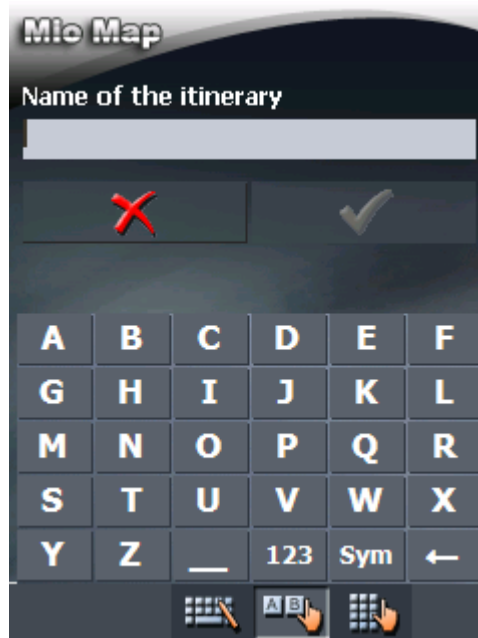
Save itinerary



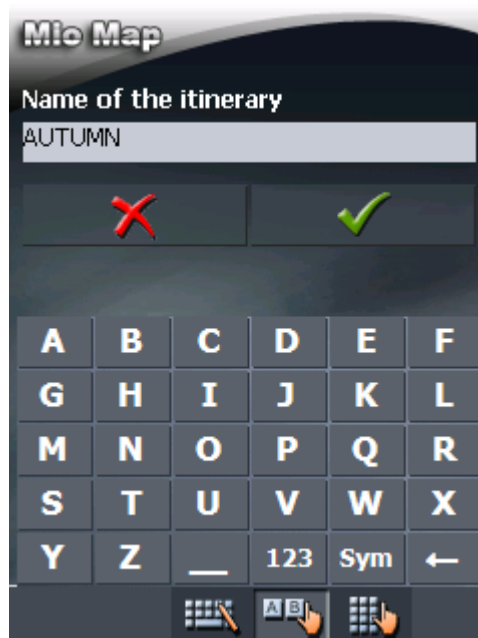
Only itineraries that contain at least one route point may be saved. Otherwise this icon is deactivated.

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.



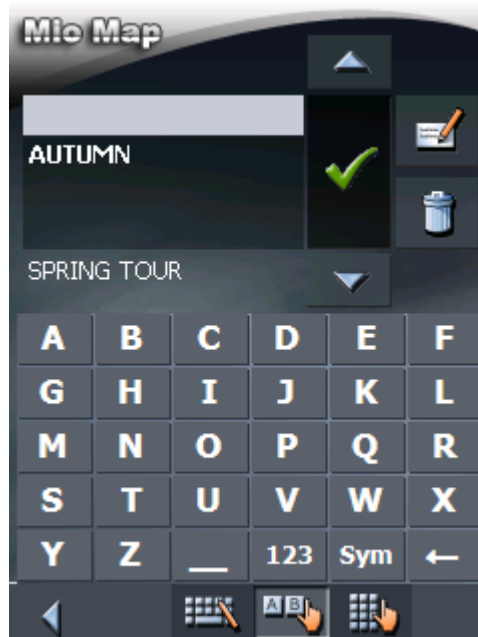
Note: Only the route points will be saved. If you load an itinerary, you will have to recalculate it.

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.

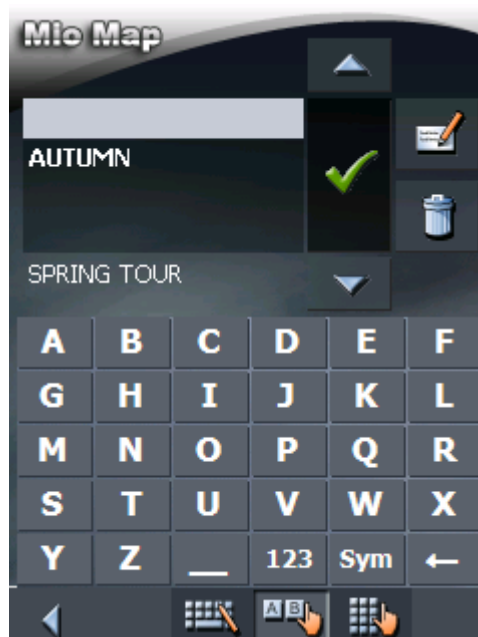
For information on working with lists, please refer to "Lists", page 21.

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:



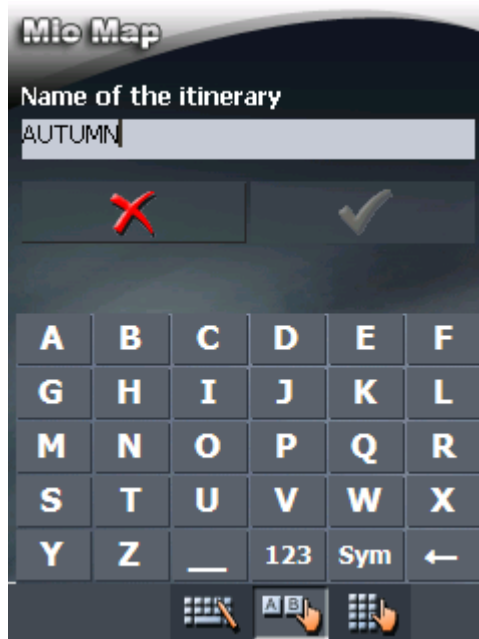


For information on working with lists, please refer to "Lists", page 21.

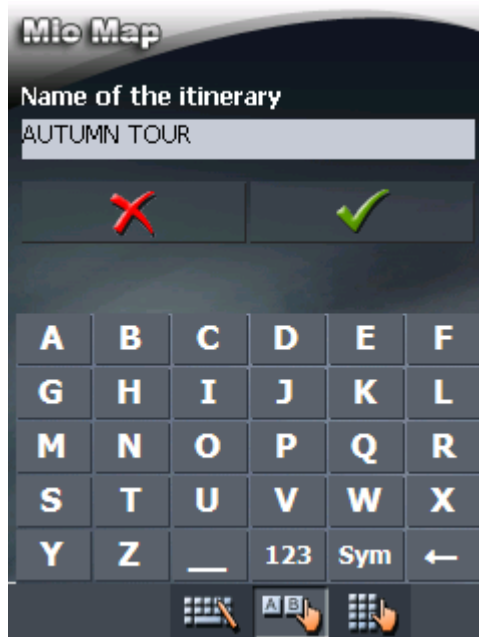


2. Tap the **Edit** icon.

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



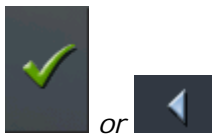
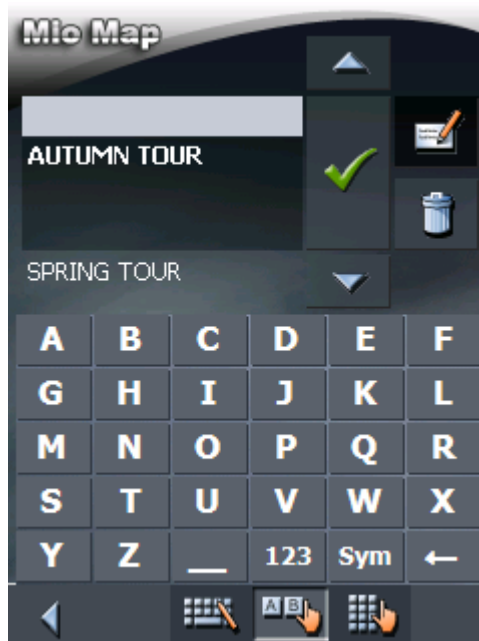
3. Enter the new name of the itinerary.



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.



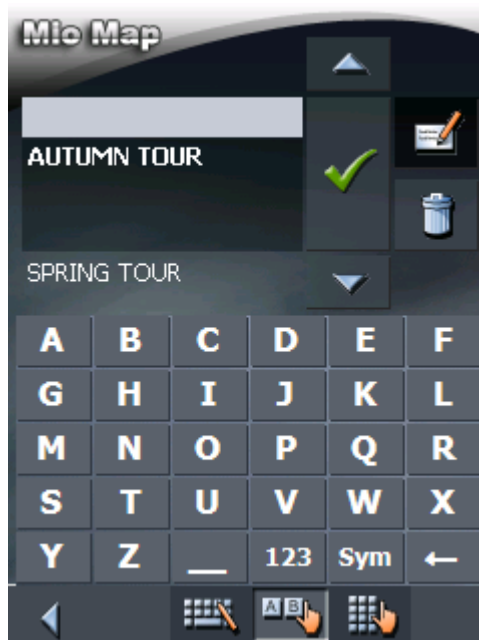
5. Tap **OK** to load the renamed itinerary.
- OR -
Tap the **Back** icon to open the **ROUTE PLANNING** screen without loading an itinerary.

Delete itinerary



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

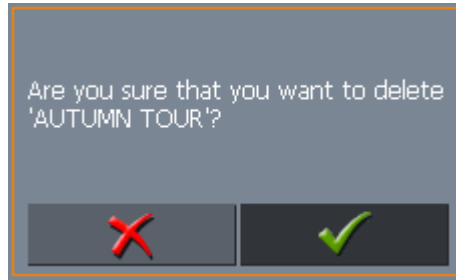
The **SELECT ITINERARY** screen opens:



For information on working with lists, please refer to "Lists", page 21.

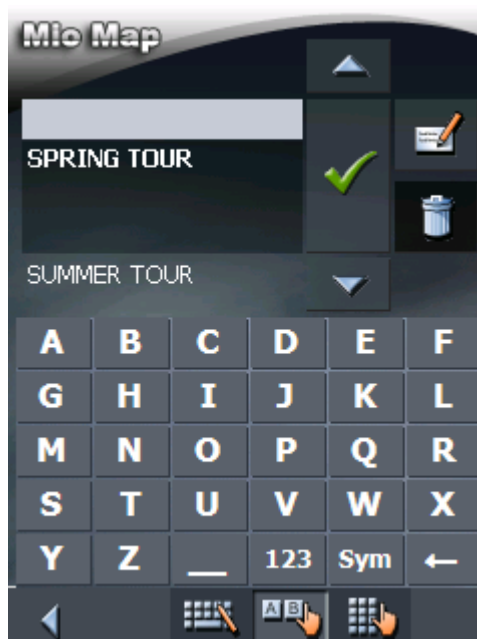


2. Tap the **Delete** icon to delete the selected itinerary.
The **CONFIRM** screen opens.



3. Tap .

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



5.6.3 Calculating the route

Calculating the distance

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.



Caution: If you wish to calculate and view the distance, do not select the entry **Linear distance** in the field **Type of routing**! Refer to chapter "Calculating the linear distance" on page 76 (next chapter) for more information on how to calculate the linear distance.



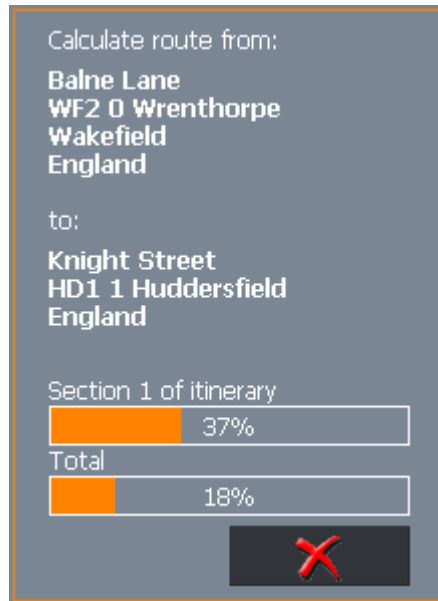
For detailed information on setting the route options, please refer to "Routing options", page 122.



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 MioMap", page 115.

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: 5mls Time: 00 h 16 min

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



Calculating the linear distance

You may calculate the linear distance between the individual route points and for the entire 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 on this button in order to calculate the linear distance between the individual route points and for the entire route.

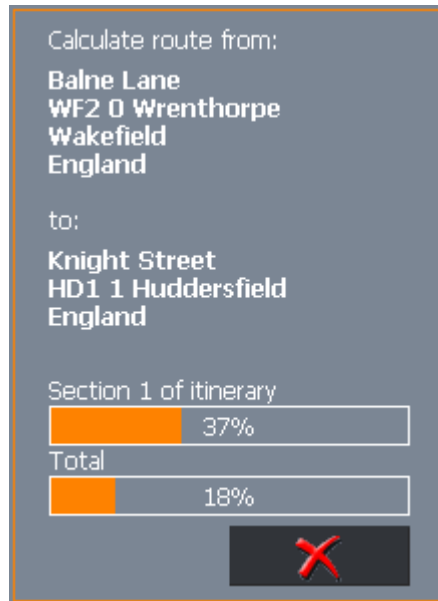
The **ROUTE OPTIONS** screen opens:



2. Tap on **Type of routing** and select **Linear distance**.

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

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



When you've carried out the calculation, on the **ITINERARY** screen under the route point list the total of all linear distances between the individual route points is displayed.

Total distance: 18mls Time: Unknown

The linear distance from the preceding route point is also given for the selected route points.



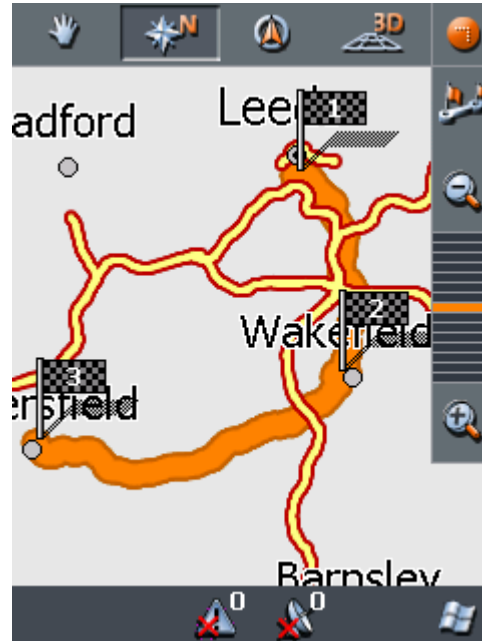
Note: No route is calculated! When navigating in linear distance mode you therefore cannot receive any driving instructions. Refer to chapter "Navigation in linear distance mode" on page 96.

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 87.

5.6.5 Simulating the route

Simulation

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

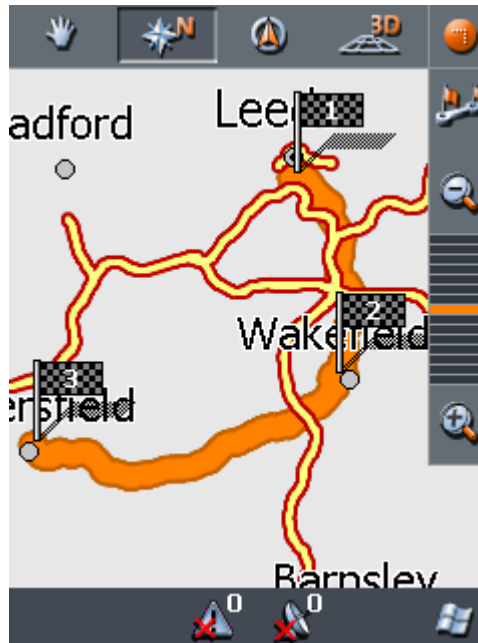
Note: The reception of GPS-signals is not necessary for the simulation.



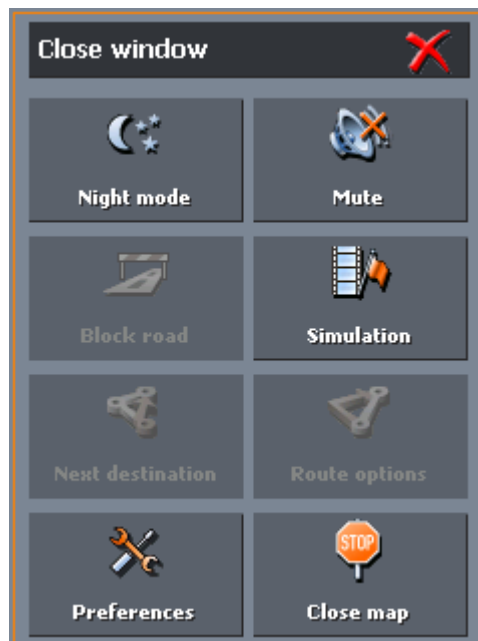
Simulation is restricted to routes of 60 miles max.

You cannot launch a simulation if you have selected **Linear distance** for Type of routing.

1. Tap the **Show on map** button.
The itinerary is displayed on the map.

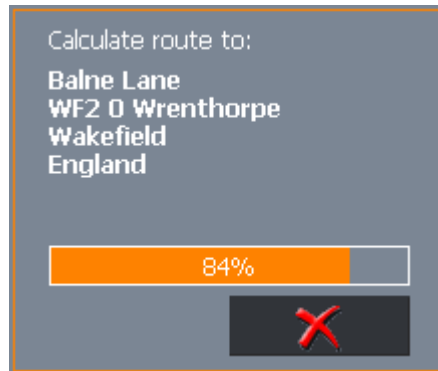


2. Tap short on any place on the map.
The **ADDITIONAL FUNCTIONS** screen opens.



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 37,

- OR -

You have selected a destination from the **FAVOURITES** as described in "Favourites", page 57,

- OR -

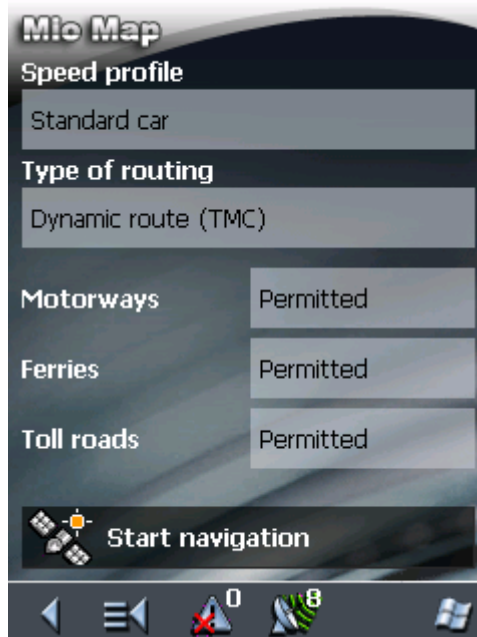
You have selected one of your **RECENT DESTINATIONS** as described in "Recent destinations", page 59,

- OR -

You have planned or loaded an itinerary as described in "Indicating several destinations (Itinerary with stages)", page 65.

Extended mode1. Tap **Start navigation**.

The **ROUTE OPTIONS** screen opens:



2. Determine the route options.



Caution: If you would like to launch navigation with driving instructions and route display, do not select the **Linear distance** entry in the **Type of routing** field! Refer to chapter "Starting navigation in linear distance mode" on page 84 (next chapter) to find out more about navigating in linear distance mode.



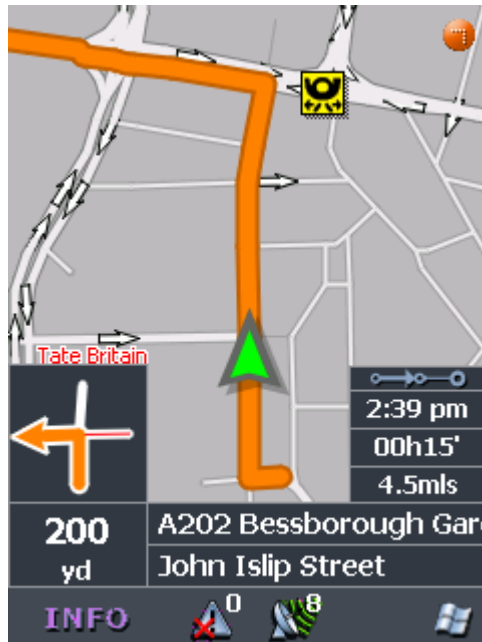
For detailed information on setting the route options, please refer to "Routing options", page 122.



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 116.

The system calculates the route.

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



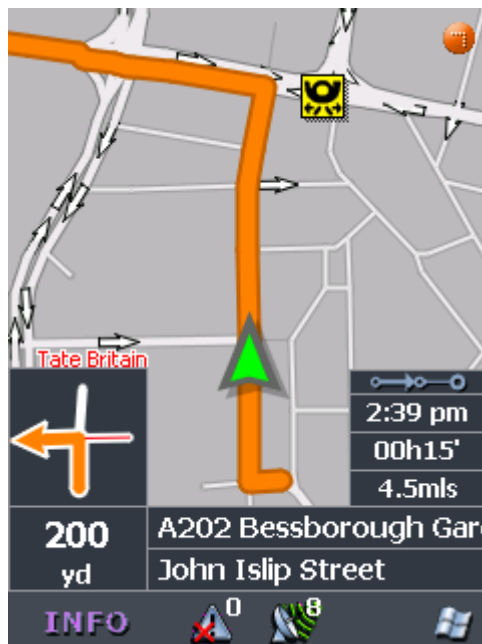
Note: When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stage point of your route.

Standard mode

1. 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 116.

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.

5.7.1 Navigating to a destination the coordinates for which have been stated

Precondition

You have given the coordinates of a destination, as described in chapter "Entering the geographic coordinates of a destination" on page 48.

Survey

The destination for which you have entered coordinates may not be located on the road network covered by the map.

In this case, the destination is correctly shown on the map, but navigation can only lead up to the nearest point on a street that is covered by the map.

This destination is shown on the map as follows:



The destination is show by a coloured point. The little flag shows the nearest point on a street that is recorded in the map. Both points are linked by a coloured line.

The navigation can only take place up to the little flag.

Reaching the destination

As soon as you reach the position of the little flag, the message "You have reached your destination" is issued.

Instead of the map view so far, only your current position is now shown (green arrow).

If you now move outside the road network covered by the map,

you can see from the changing position of the green triangle on the map whether or not you're moving in the direction of your destination.

No further messages are given when you reach your destination.

Note: The route to the actual destination can take place comfortably by navigating in linear distance mode.



To do this, select the destination coordinates from the **RECENT DESTINATIONS** (refer to "Recent destinations", page 59) and start navigating there with the route option **Linear distance** (refer to "Starting navigation in linear distance mode", page 84).

5.8 Starting navigation in linear distance mode



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 26.

Note: You can also navigate along the linear distance in "standard mode". To do this, prior to entering the destination under **CONFIGURATION – ROUTE OPTIONS** you select the linear distance. Note however that, unless you change it, the setting is then valid for every subsequent navigation.



Refer to chapter "Settings" on page 116 for detailed information on changing the settings.

Precondition

You have entered a destination as described in "Indicating a destination", page 37,

- OR -

You have selected a destination from the **FAVOURITES** as described in "Favourites", page 57,

- OR –

You have selected one of your **RECENT DESTINATIONS** as described in "Recent destinations", page 59,

- OR -

You have planned or loaded an itinerary as described in "Indicating several destinations (Itinerary with stages)", page 65.

Extended mode1. Tap **Start navigation**.

The **ROUTE OPTIONS** screen opens:

2. Tap on the **Type of routing** field and select the **Linear distance** entry.

No route calculation is carried out!

The map is displayed. Your current position is marked by a green triangle in a compass rose.

An arrow on the compass rose indicates the direction your destination is located in.

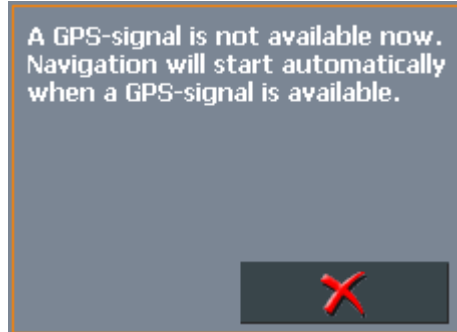


Note: When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stage point of your route.


5.9 Bad GPS reception

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 88 |
| 6.2 | Operating the map | page 89 |
| 6.3 | Representation of the map in navigation mode | page 94 |
| 6.4 | Navigation in linear distance mode | page 96 |
| 6.5 | Displaying additional information on the map | page 98 |

6.1 Selecting a map

Provided maps

There are additional maps included in the delivery on CD. In case you want to use one of these maps, copy it via a card reader to a memory card. Follow then the instructions given below in "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 **MioMap** 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 **Select 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

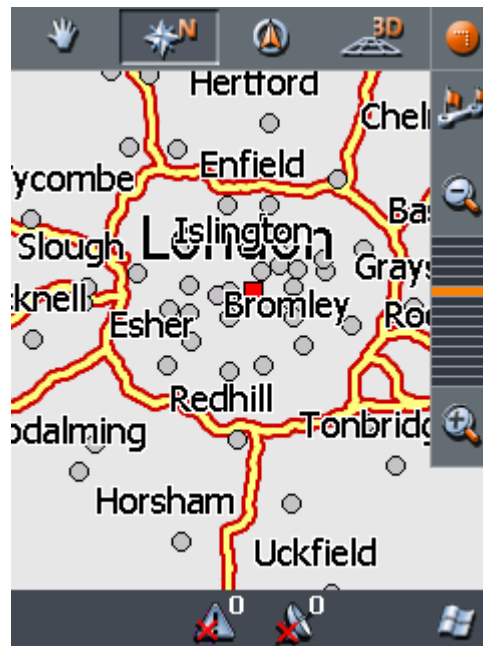
- ⇔ Via the **Show map** button on the **MAIN MENU**
- ⇔ Via the **Select on map** button on the **DESTINATION** screen
- ⇔ Via the **Show on map** button on the **ADDRESS** screen after having entered an address.

Standard mode

In "standard mode", you may display the map

- ⇔ Via the **Show map** button on the **MAIN MENU**
- ⇔ 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 54.

Icons

Survey



(When without GPS-reception)



(When with GPS-reception)

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

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.

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 121.

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

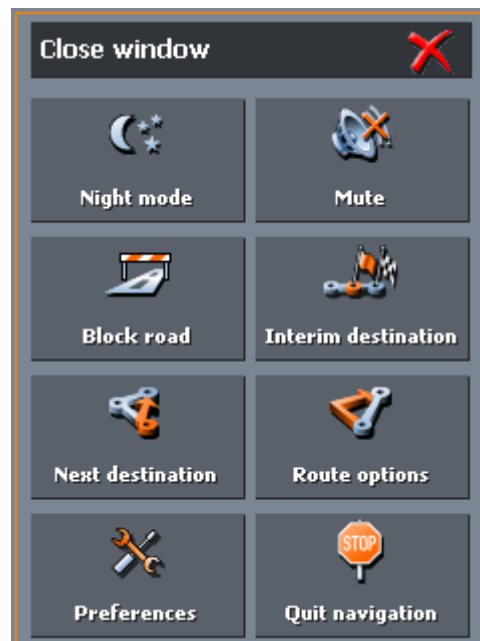
Tapping short any place on the map makes the **ADDITIONAL FUNCTIONS** screen appear. Depending on whether you are in navigation mode or not this screen offers different functions.

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 26.

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 116.



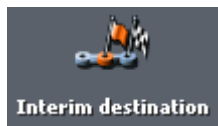
Quit navigation

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 109.



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.

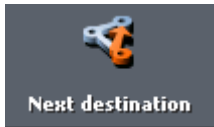
For details, please refer to "Adding a stage point during navigation", page 107.



Route options

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

For details, please refer to "Routing options", page 122.



Next destination

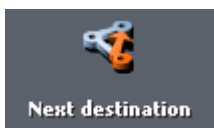
This function is only available when you are navigating a route with at least one stage point and when you are working in extended mode.

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.



If you have deactivated the automatic calculation to the next stage point in **SETTINGS > ROUTE OPTIONS**, you may use this function to start navigation to the next stage point.

Example: You have just reached a stage point. . Navigation to the next stage point does not continue automatically. The map is being displayed.

Tap the **Next destination** button to start navigation to the next stage point.



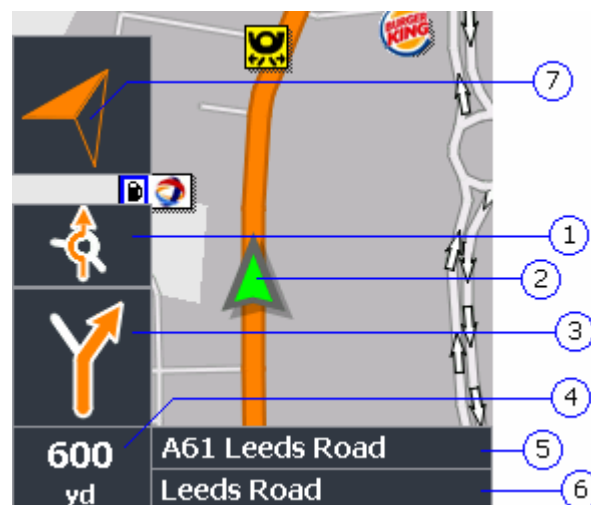
Refer also to "Next destination", page 108.


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

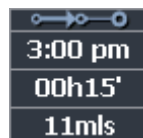
The following assistance for navigation is being displayed at the left and at the bottom of the map:





| 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:  <p>The more yellow bars are displayed the nearer you are to the place where the next manoeuvre must be executed.</p> |
| 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. |
| ⑦ | The destination direction arrow indicates in which direction your destination is located. This display is then particularly useful if you move outside of the road network included in the map material, perhaps in a park. Note: The destination direction arrow is then only available if you have selected in the ROUTE OPTIONS the speed profile Pedestrian . For details, please refer to "Routing options", page 122. |

Information on the itinerary

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



| Field | 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. |
| 3:00 pm | ETA (Estimated time of arrival). |
| 00h15' | Remaining time to arrival (estimated). |
| 11mls | Remaining distance to arrival (estimated). |

Signpost info

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

M1 Wakefield



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.

INFO

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

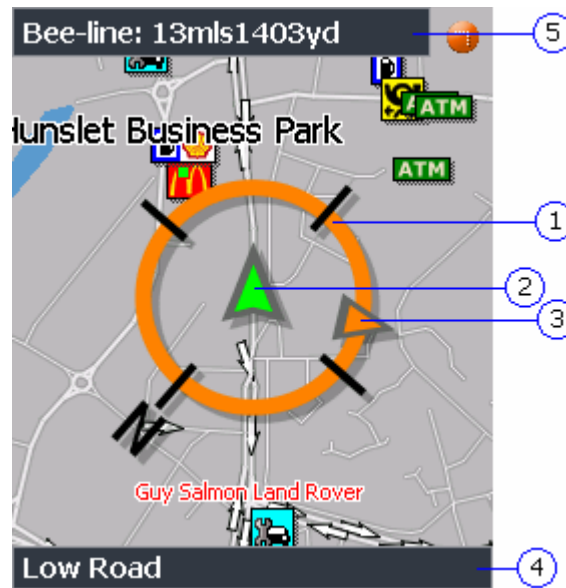
The displayed information will be hidden after a few seconds.

6.4 Navigation in linear distance mode

If you have chosen the route type **Linear distance** from the **ROUTE OPTIONS**, the navigation takes place with minimum information.

As no route has been calculated, in linear distance navigation you cannot receive any driving instructions. Only the information is shown that is directly worked out from the received GPS data and the position of the destination.

The following information is displayed during navigation:



| Bereich | Information |
|---------|--|
| ① | The compass rose indicates the point of the compass. |
| 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 destination direction arrow indicates in which direction your destination is located. |
| ④ | The street field indicates the name of the street you are currently on. |
| ⑤ | The distance field shows the linear distance to the destination. |

Note: From the movement of the green triangle on the map you can ascertain if you are moving in the direction of your destination.



Note that no message is given when you have reached your destination. You can ascertain this only from the distance information and the little destination flag.

If you navigate on a route with stages you can't automatically be forwarded to the next stage. To do this, briefly tap on the map and select the function **Next destination**.

6.5 Displaying additional information on the map

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



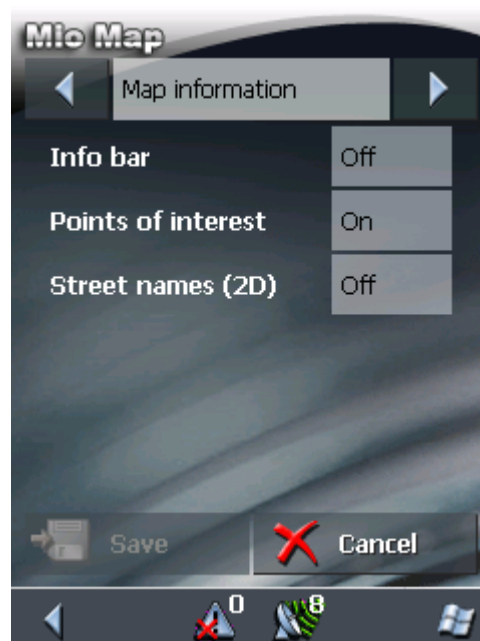
Note: Note: The settings described in this chapter have no effect if you've chosen the route type **Linear distance** in the **ROUTE OPTIONS**.

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 inclination, the compass, the altitude and the current speed .

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



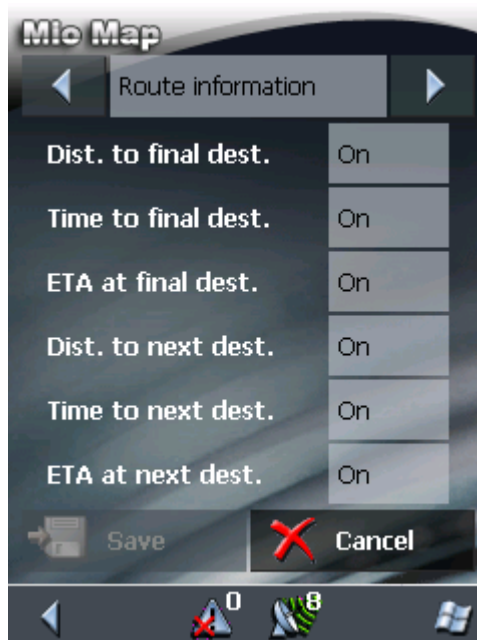
Points of Interest

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

Street names

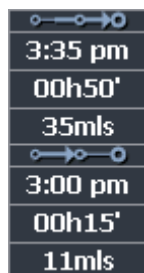
5. Tap the respective command button to display (On) or not (Off) **Street names** on the map.



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



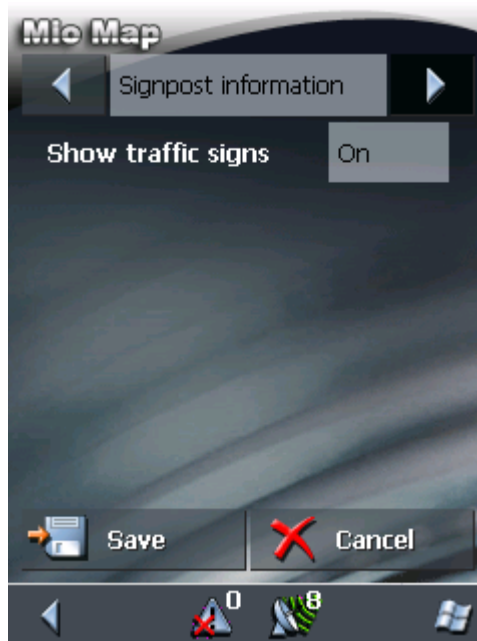
7. Tap the command buttons to display (On) or not (Off) the respective information on the map.

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**.

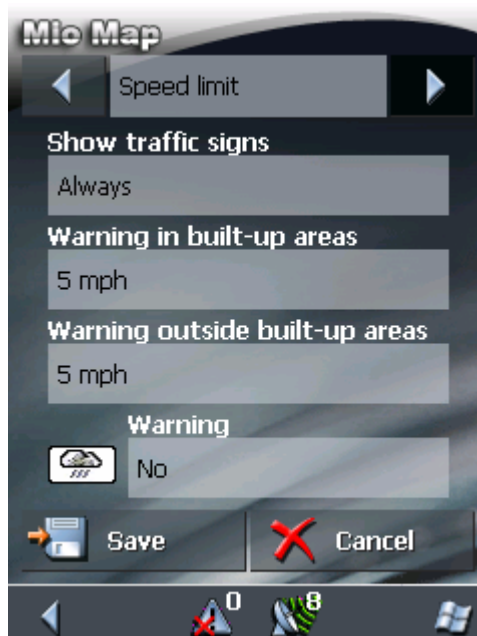


The **Show traffic signs** command indicates whether signposts indicating exits from motorways or highways are currently being displayed or not.

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 Show traffic signs command and select whether speed limits should be displayed</p> <p>Always On speeding only or Never.</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 Warning in built-up areas command to select another value or to set it to Never.</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 Warning outside built-up areas command to select another value or to set it to Never.</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 Warning command to set the value to Yes or to No.</p> |

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

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

7 Useful functions

Topics covered in this chapter:

| | | |
|-----|--|----------|
| 7.1 | Functions on GPS reception | page 104 |
| | Saving the current position | |
| | Setting the current position as home address | |
| 7.2 | Functions in navigation mode | page 107 |
| | Adding a stage point during navigation | |
| | Next destination | |
| | Blocking a route section | |
| | Using TMC functionality | |

Survey

Some of the functions described here are always available, others only on GPS reception, and others only in navigation mode.

7.1 Functions on GPS reception

Survey

GPS reception must be sufficient to determine the current position. The GPS symbol must be **GPS ready**.




7.1.1 Saving the current position

Survey

This function enables you to add the current position to the **FAVOURITES**. You may then at any time start navigation to this destination.

Saving the data of the current position...

1. Tap on the  **GPS ready** symbol.
The **GPS STATUS** screen opens.



2. Tap on the **Save current position** button.

The **SAVE CURRENT POSITION AS ...** screen opens.



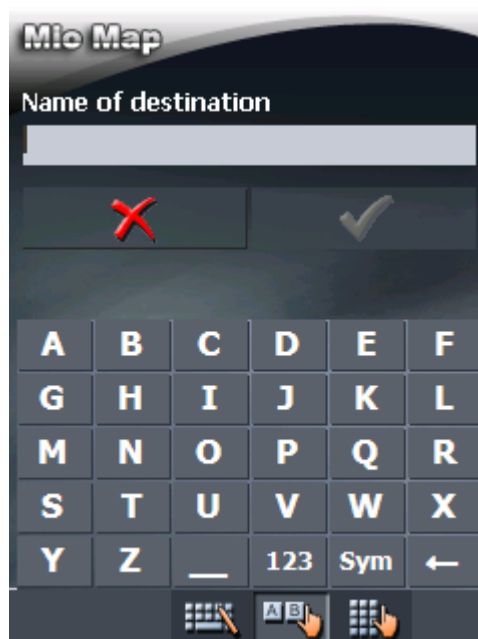
3. You have the following possibilities:

- ⇔ Select **Car position**, if you've just parked and you'd like to save the position of your car under **FAVOURITES**.
- ⇔ Select **Work**, if you're at your place of work and wish to save this under **FAVOURITES**.
- ⇔ Select **Other location**, if you would like to save the current location under another name under **FAVOURITES**.



For information on **Home address**, please refer to "Setting the current position as home address", page 106 (next chapter).

The **NAME OF DESTINATION** screen opens.



4. Enter a name for the destination.



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



Note: If you've chosen **Car position** or **Work** the name is already entered.

5. Tap .

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

7.1.2 Setting the current position as home address

Survey

This function enables you to set the current position as home address. You may then at any time start navigation to this destination by simply activating the **Home** button on the **MAIN SCREEN**.

Setting the current position as home address...

1. Tap on the  **GPS ready** symbol.

The **GPS STATUS** screen opens.



2. Tap on the **Save current position** button.

The **SAVE CURRENT POSITION AS ...**screen opens.



3. Select **Home address**.



For information on **Car position**, **Work** and **Other location**, please refer to "Saving the current position", page 104 (previous chapter).

7.2 Functions in navigation mode

Survey

The following functions are only available in navigation mode.

7.2.1 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 26.

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 37.
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 54. Tap the respective place and hold. From the context menu, select **Add as route point**.

7.2.2 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 26.

Next destination

This function is only available when you are navigating a route with at least one stage point.

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 short on the map and then on 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.

Next stage

If you have deactivated the automatic calculation to the next stage point in **SETTINGS > ROUTE OPTIONS**, you may use this function to start navigation to the next stage point.

Example: You have just reached a stage point. . Navigation to the next stage point does not continue automatically. The map is being displayed.

Tap short on the map and then on the **Next destination** button to start navigation to the next stage point.

7.2.3 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...

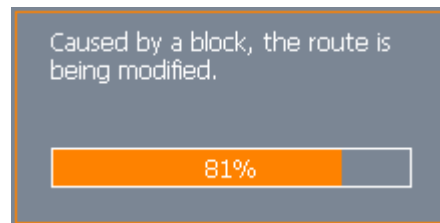
Precondition: The navigation system is in navigation mode and the map is being displayed.

1. Tap short on any place on the map.
2. Tap **Block road**.

The **BLOCKING** screen opens.

3. Enter how many miles (from your current position on) you want to block.
4. 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.

7.2.4 Using TMC functionality

TMC-receiver

A TMC-receiver provides the navigation system with the latest traffic information and enables dynamic route calculation in order to evade traffic jams and other obstructions. If you have connected a TMC-receiver, you may check traffic information with **MioMap**.

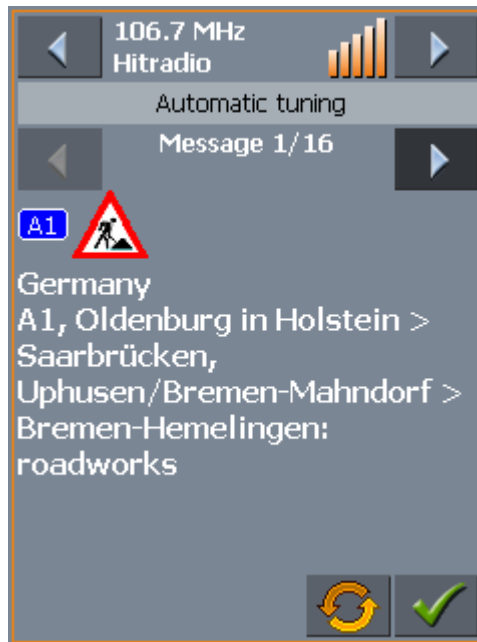


Note: This function cannot be used without an external TMC-receiver connected.



1. Tap the **TMC** icon.

The **TMC** screen opens.



Displaying traffic information...

2. Use the arrow icons of the "Messages" section to display the next / previous traffic message.

Every message contains the country, the name or number of the street (motorway, main road, country road), the concerned road section and the kind of obstruction.

Updating traffic information

3. Tap the **Update** icon to display traffic information which has been received since the **TMC** screen has been opened.



Closing the TMC screen

4. Tap the **OK** icon to close the **TMC** screen.



Considering TMC information for route calculation

Considering TMC information for route calculation

Configure the TMC settings to determine how TMC information concerning your route should be considered.

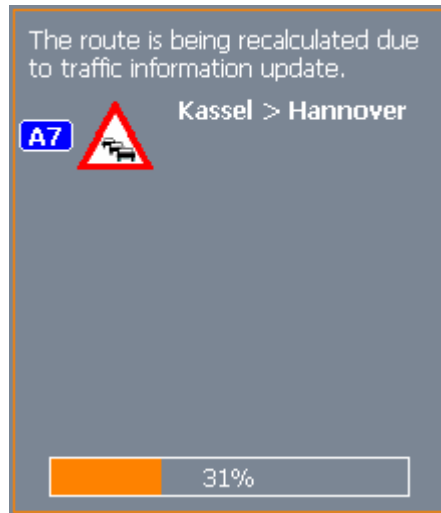
For details, please refer to "Settings", page 116

Automatic route modification

Precondition: You have selected "Route modification **automatically**" in the **TMC** settings (default).

If a reported obstruction concerns your route the system evades obstructions automatically.

The following message appears while the system calculates the deviation.



Route modification with confirmation

Precondition: You have selected "Route modification **with confirmation**" in the **TMC** settings.

The following screen informs you about a reported instruction concerning your route:



Evade

Tap the **Evade** button to evade the reported obstruction.

The route will be recalculated in order to evade the obstruction.

Ignore

Tap the **Ignore** button to ignore the reported obstruction.

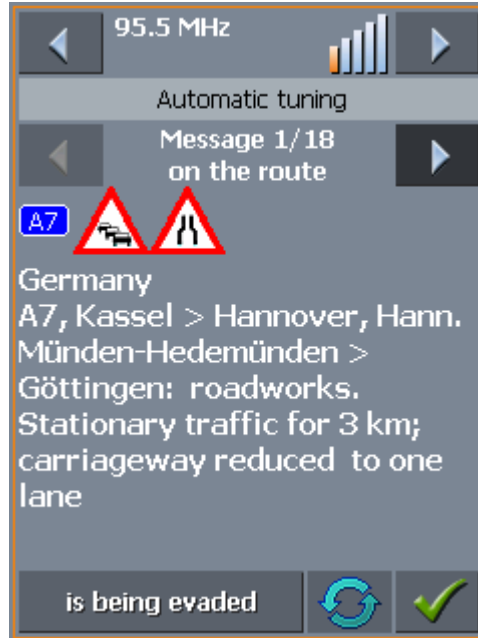
Considering TMC information at a later moment



If you have selected "Route modification **With confirmation**", you may evade or ignore a reported obstruction at a later moment. Proceed as follows:

1. Tap the **TMC** symbol.

The **TMC** screen opens:



2. Use the arrow icons of the "Messages" section to search for an obstruction concerning your route. These obstructions are labelled "on the route".
3. Tap the **Status** button and select whether the respective obstruction is to be **Evaded** or **Ignored**.
4. Tap the **Done** icon to update the route. The system recalculates the route if necessary.



Tuning

Tuning

1. Tap the **Tuning** button to toggle between the **Auto tuning**, **Hold station**, and **Frequency input** modes.

Auto tuning

In **Auto tuning** mode, the TMC module searches continually for the station which is best received. The name and the frequency of the station are being displayed.

Use the arrow keys of the "Station" section to receive another station.

As soon as another station has been found, its name and frequency are being displayed.

Hold station

If you want to hold the sender which is currently being received, press straight on the centre of the cursor pad as often as necessary to display **Hold station**.

The TMC receiver holds now this station. Nevertheless, it changes the frequency when the same station is better received on another one.

The name of the station and the frequency on which it is currently being received are being displayed.

Frequency input

If you want to enter a certain frequency switch to the **Frequency input** mode.

Use the arrow keys of the "Station" section to modify the frequency in steps of 0.1 MHz.

If a station may be received on the currently tuned frequency its name is being displayed. The bars at the right of the frequency indicate the quality of reception.



Press the **OK** soft key to save the settings and to close the **TMC INFORMATION** screen.

8 Configuring MioMap

Topics covered in this chapter:

| | | |
|-----|----------------------|----------|
| 8.1 | Settings | page 116 |
| | User mode | |
| | Map information | |
| | Route information | |
| | Signpost information | |
| | Speed limit | |
| | Volume | |
| | Representation | |
| | Automode | |
| | Routing options | |
| | Key configuration | |
| | Itinerary | |
| | Format | |
| | GPS | |
| | TMC | |
| | Home address | |
| | Handsfree options | |
| | Product information | |

8.1 Settings

Configuration

In **MioMap**, you may modify the following settings:

- ⇔ User mode, see page 117
- ⇔ Map information, see page 117
- ⇔ Route information, see page 118
- ⇔ Signpost information, see page 119
- ⇔ Speed limit, see page 119
- ⇔ Volume, see page 120
- ⇔ Representation, see page 120
- ⇔ Automode, see page 121
- ⇔ Routing options, see page 122
- ⇔ Key configuration, see page 123
- ⇔ Itinerary, see page 123
- ⇔ Format, see page 124
- ⇔ GPS, see page 124
- ⇔ TMC, see page 124
- ⇔ Home address, see page 125
- ⇔ Handsfree options, see page 125
- ⇔ Product information, see page 125

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

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 opens 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 26.

Info on the map

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

| Element | Signification |
|--------------------|--|
| Info bar | <p>The Info bar at the bottom of the map displays the scale of the map, the inclination, the compass, the altitude and the current speed.</p> <p>Tap the respective command button to display (On) or not (Off) the Info bar.</p>  |
| Points of Interest | <p>Tap the respective command button to display (On) or not (Off) Points of Interest on the map.</p> |
| Street names | <p>Tap the respective command button to display (On) or not (Off) Street names 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 26.

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



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 26.

Representation

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

| Setting | Signification |
|------------------|--|
| Skin | Skins are made to personalize the user interface of <i>MioMap</i> . Tap the Skin field. Select one of the available skins and tap OK . |
| Brightness day | Tap this entry field and select a brightness degree (1 to 8) to adapt the brightness of the screen to daylight conditions. |
| Brightness night | Tap this entry field and select a brightness degree (1 to 8) to adapt the brightness of the screen to night conditions. |

8.1.8 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 26.

Auto mode

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

| Setting | Signification |
|-------------|--|
| Begin with | Select the default map view: 2D or 3D . |
| 3D Autozoom | Select the default for navigation with 3D view: Autozoom or No Autozoom . 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. The zoom depth does not change when navigating in linear distance mode. |
| 2D Autozoom | Select the default for navigation with 2D view: Low Autozoom , Standard Autozoom , High Autozoom , or No Autozoom . 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. The lower the Autozoom, the lower the scale. The zoom depth does not change when navigating in linear distance mode. |
| 2D View | Select the default for navigation with 2D view: North oriented or In driving direction . |

8.1.9 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**.

| Option | Meaning |
|--------------|---|
| Slow car | Car is standard for route calculation. The information slow , standard and fast is only important for calculating the estimated time of arrival. |
| Standard car | |
| Fast car | |
| Motorcycle | Small and average-sized country roads are preferred in order to calculate a route that's as winding as possible. |
| Lorry | Small country roads and main through roads should be avoided if possible. |
| Bike | Calculates the shortest route . The entries Type of routing and Motorways cannot be changed. |
| Pedestrian | As with bike . Also, traffic regulations that only apply to vehicles (one-way streets, no turning etc.) are not taken into consideration. The speech instruction is deactivated. |

2. Tap the **Type of routing** field and select one of the following options:

| Option | Signification |
|---------------------|---|
| Dynamic route (TMC) | This option is only available when a TMC receiver is connected. With this option, the quickest route will be calculated. Reported traffic obstructions on your route will be considered automatically. The Fast route is being calculated when TMC is not received. |
| Fast route | The quickest route will be calculated. |
| Short route | The shortest route will be calculated. |
| Linear distance | No route is calculated. The navigation takes place in linear distance mode. |



Note: If you've chosen the **Linear distance** entry, all other entry fields are deactivated. Information regarding the navigation in linear distance mode can be found under chapter "Navigation in linear distance mode" on page 96.

3. Tap the **Main through roads**, **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. (This option is not available for the Main through roads field) |

8.1.10 Key configuration

Hardware keys

On the **KEYS** screen, you may configure the hardware keys of your Pocket PC to execute the "Up", "Down", "Left", "Right", "OK" and "Return" actions. This enables convenient and easy operation.

When you quit the navigation software, the keys will have their standard functionality.

Tap the **Configure** button to check or to modify the configuration.

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 26.

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 Format

Units

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

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

8.1.13 GPS

GPS

On the **GPS** screen, configure the GPS receiver.

Tap **Automatic detection** when you have reconnected or changed your GPS-receiver. Follow the instructions on the screen.

Tap **Manual settings** when automatic detection is not successful. Set the following values:

| Setting | Signification |
|----------|---|
| Receiver | Tap the Type of receiver field. Select the appropriate receiver from the list and tap OK . |
| COM port | Tap the COM-port field and indicate the COM / USB-port used by the receiver. |
| Baud | If you are using a GPS receiver of another brand than NAVIGON (Type: Other receiver), enter the respective Baud rate into the Baud field. |

8.1.14 TMC

TMC

On the **TMC** screen, determine whether route modifications caused by TMC traffic information are to be carried out automatically or with explicit confirmation.

Tap the **Route modification** field to toggle between **Automatically** and **With confirmation**.

8.1.15 Home address

Home address

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

Tap **Enter your home address**.

The **DESTINATION** screen opens.

3. Tap the **Address** button and enter your home address as described in "Entering an address", page 38.

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

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

8.1.16 Handsfree options



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 26.

Radio-Mute

On the **HANDSFREE OPTIONS** 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.

8.1.17 Product information

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 (Greenwich Mean Time) 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 (Universal Time Coordinated) which is an ultra stable time standard based on atomic clocks. |
| <i>GPS</i> | <p>The GPS (Global Positioning System) 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 H orizontal D ilution of P recision (HDOP) indicates the quality of position determination. Theoretically any value from 0 to 50 is possible. The smaller the value is, the more accurate is the position determination (value 0 = no deviation from the actual position). Values up to 8 are convenient for street navigation. |
| <i>POI</i> | P oint of I nterest (POI). See →Special destination. |
| <i>RDS</i> | R adio D ata S ignal (RDS) is a service offered by broadcasting stations. TMC information is broadcasted via RDS. |
| <i>Special destination</i> | Special destinations, also called POI (P oints of I 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. |
| <i>TMC</i> | T raffic M essage C hannel (TMC) supplies your navigation system with the latest traffic information. A TMC module which is available as accessory receives the signals which are broadcasted by radio stations. |

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