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Section 1 Before You Start...



1 Welcome!

Congratulations on purchasing FALK NAVIGATOR, the complete software package for navigation!

This user's guide explains step by step how to use the FALK NAVIGATOR software. You can set up the PC functions by using the CD-ROM included in this package.

Enjoy using our product and we wish you a safe trip!

1.1 FALK NAVIGATOR Highlights at a Glance

FALK NAVIGATOR offers you the following fantastic features:

- FALK NAVIGATOR constantly updates your current location using satellite positioning and guides you smoothly to your destination using audio and visual driving instructions.
- Rapid, precise position determination by GPS (Global Positioning System)
- Immediate, automatic re-routing if you deviate from the recommended route
- Clear map display - choose between 3D and 2D view
- Switch between day/night display mode
- Customisable route planning with up to 99 user-definable points en route
- Complete touch-screen operation - destination can be selected without using a PDA pen!
- Manual closure of road sections - for avoiding traffic jams
- Integrated route planner: address input is accurate down to street and house number level
- Dynamically avoid traffic jams using TMC: Connect a TMC receiver to your device and you will be able to request the very latest traffic information - continuously and free of charge - and if necessary calculate an alternative route. Traffic jams are displayed on the map using various traffic symbols.

Note: You can find out the countries in which TMC traffic messages can be received and processed by reading the information on the manufacturer's website.

1.2

FALK NAVIGATOR Design Concept

FALK NAVIGATOR has been designed to offer you a high degree of user-friendliness and to maximise the use of the available screen area:

- **Say goodbye to your PDA pen, say hello to complete touch-screen operation**

All the buttons are big enough for you to tap easily them with your finger. Destinations can be entered using a large on-screen keyboard that allows you to conveniently navigate in menus and call up previous destinations in a flash.
- **Maximised use of the screen**

The map view is shown in full screen mode during navigation. The display buttons and buttons for key functions are big enough for you to tap with your finger but are also located at the edge of the screen to maximise the area in the middle.

2 Important Information

Please take a few minutes to read the important information in this chapter.

FALK NAVIGATOR has been developed, tested and manufactured with the greatest of care and in line with current safety guidelines.

Nevertheless, not every theoretically possible operational error and malfunction occurring in everyday use can be ruled out.

Therefore please keep the following safety advice in mind:



WARNING

Danger of accidents!

- For your own safety, you should attach your PND/PDA securely in the vehicle using a special holder. Ensure that the holding device does not hinder the effectiveness of passenger safety systems (seat belt, airbag, etc.) in any way. Make sure the device is sufficiently secure so that it will not become dislodged even in the event of emergency braking or a collision.
- Actively operating FALK NAVIGATOR whilst driving can divert your attention from the road and can lead to accidents. You should be aware that if you are only driving at a speed of 50km/h (31 mph), your vehicle has a braking distance of 14 metres. Perform all the required settings and enter your destination BEFORE starting your journey or whilst the vehicle is stationary in an appropriate place. Devote your full attention to the traffic whilst you are driving!
- FALK NAVIGATOR does not provide you with any information about stop signs and the rules of the road, which you are obliged to adhere to and which, of course, take priority over the instructions from FALK NAVIGATOR.
FALK NAVIGATOR will guide you to your destination via an alternative route if you are forced to deviate from the route originally suggested.

2.1 Important Notes on Starting FALK NAVIGATOR

FALK NAVIGATOR can be installed on the following types of device:

- **PND (Personal Navigation Device)**

On this type of device, only the applications installed by the manufacturer are available, e.g. navigation software such as FALK NAVIGATOR.

- **PDA (Personal Digital Assistant)**

With this type of device, you can install extra applications, i.e. in addition to the pre-installed software. A PDA can be easily identified by the classic "Start" button that features in Microsoft Windows™ operating systems.

The functionality and operation of FALK NAVIGATOR is identical on every type of device. It is only the screen format and the way FALK NAVIGATOR is started that can vary depending on the device type.

Starting FALK NAVIGATOR on a PND

Follow the relevant procedure, depending on how you use your PND:

- The standard scenario is that only FALK NAVIGATOR is installed on your PND. In this case, FALK NAVIGATOR is automatically started and the main selection screen is displayed as soon as the PND has been switched on (see "The Main Selection Screen in FALK NAVIGATOR" on page 25).
- If you have installed other software in addition to FALK NAVIGATOR, e.g. a multimedia application to play music or videos, then choose the entry that opens FALK NAVIGATOR from the main menu, e.g. "Navigation" or "FALK NAVIGATOR". FALK NAVIGATOR starts and the main selection screen is displayed (see "The Main Selection Screen in FALK NAVIGATOR" on page 25).

Starting FALK NAVIGATOR on a PDA

Turn on your PDA and select the command **FALK NAVIGATOR** from the **Start** menu. FALK NAVIGATOR starts and the main selection screen is displayed (see "The Main Selection Screen in FALK NAVIGATOR" on page 25).

2.2 Further Notes

Note: Please note:

- FALK NAVIGATOR can be used on many devices in both portrait and landscape mode. The illustrations of the device screen shown in this user's guide are in landscape format. The layout and operation of the functions in FALK NAVIGATOR are however identical regardless of the screen format.
- Our software is constantly being developed and optimised. It is therefore possible that the illustrations shown in this user's guide differ from the screen display on your device.
- The FALK NAVIGATOR map should be pre-installed. If necessary, you can reinstall both the software and the map (for example if the memory card is lost or data accidentally deleted). You can also install additional maps later on (see "Reinstalling the Software" on page 115).





Section 2

Mobile Navigation with a PND/ PDA



1 Quick Start - The First Journey with FALK NAVIGATOR



WARNING

Danger of accidents!

- For your own safety, you should attach your PND/PDA securely in the vehicle using a special holder. Ensure that the holding device does not hinder the effectiveness of passenger safety systems (seat belt, airbag, etc.) in any way. Make sure the device is sufficiently secure so that it will not become dislodged even in the event of emergency braking or a collision.
- Actively operating FALK NAVIGATOR whilst driving can divert your attention from the road and can lead to accidents. You should be aware that even if you are only driving at a speed of 50 km/h (31 mph), your vehicle has a braking distance of 14 metres. Perform all the required settings and enter your destination BEFORE starting your journey or whilst the vehicle is stationary in an appropriate place. Devote your full attention to the traffic whilst you are driving!
- FALK NAVIGATOR does not provide you with any information about stop signs and the rules of the road, which you are obliged to adhere to and which, of course, take priority over the instructions from FALK NAVIGATOR.
FALK NAVIGATOR will guide you to your destination via an alternative route if you are forced to deviate from the route originally suggested.

It is likely that you will first want to find out how to navigate to your destination with FALK NAVIGATOR while driving, before we explain FALK NAVIGATOR's individual functions.

Example for quick start

Let's use a specific example: You wish to start your journey from your current location in 24 Liverpool Street, London. FALK NAVIGATOR determines your current location via GPS. You simply have to enter your destination.

1. Install your PND/PDA securely in your vehicle.

2. Connect the power cable to the PND/PDA and then switch the device on.
3. Open FALK NAVIGATOR on your PND/PDA.

Note: The way in which you open FALK NAVIGATOR depends on the type of device you are using (see "Important Notes on Starting FALK NAVIGATOR" on page 14).

The main selection screen appears.



4. Tap the **Navigation** symbol.
The destination selection screen appears.



5. Tap the **Address** symbol.
The address selection screen appears.

Town	P.code	LONDON					
GB WC2N 5 London							▲
GB PL26 7 London Apprentice							▼
A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z			ABC	123	AAA	◀
Back		Map		Calculate		☰	

- Next select the desired destination, in this case "London", by using the on-screen keyboard.

While you are typing, a list of matching results opens.

- Tap the list entry "WC2N 5 London" to select it.

You have now chosen the town of your destination and you will automatically move on to the next screen where you can select the street. The selected town - WC2N 5 London - is shown as a superordinate element in the upper right corner of the screen.

- Make sure that the **Street** button is pressed in.
- Using the on-screen keyboard, type in the desired street, e.g. "Liverpool Street" for our example.

While you are typing, a list of matching results opens.

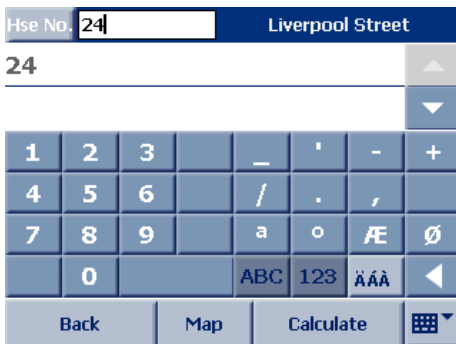
POI	Str.	liverpool street						GB WC2N 5 London
Liverpool Street							▲	
							▼	
A	B	C	D	E	F	G	H	
I	J	K	L	M	N	O	P	
Q	R	S	T	U	V	W	X	
Y	Z			ABC	123	AAA	◀	
Back		Map		Calculate		☰		

- Tap the "Liverpool Street" entry to select it. You may have to scroll across to the desired list entry using the arrow buttons.

Once you have chosen the street, you will automatically move on to the next screen where you can select the house number. The selected street - Liverpool Street - is shown as a superordinate element in the upper right corner of the screen.

11. Using the on-screen keyboard, type in the desired house number, e.g. "24" for our example.

While you are typing, a list of matching results opens.



12. Tap the entry "24 Liverpool Street " to select it.

You have now selected all elements for the desired destination. The route will now be calculated and displayed on the map.

Note: If the GPS signal currently being received is too weak to determine your position, the last GPS position saved will be used to estimate your location.

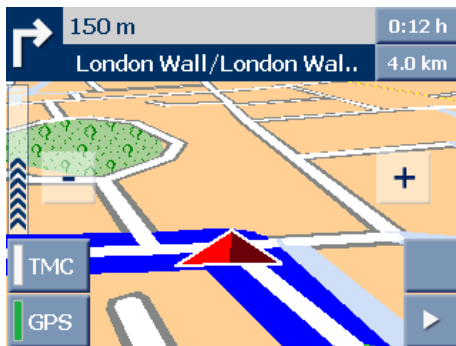
As soon as the GPS signal is strong enough to determine your position, the route will be recalculated in the blink of an eye.

You can thereby enter your destination without GPS reception, e.g. in the office or at home, and then calculate your route.

13. Once the route has been calculated, tap the **Navigation** button to start the navigation process.

Note: If a message appears stating that a GPS receiver could not be found, then check your GPS settings (see "Configuring GPS Settings" on page 82).

The navigation screen of FALK NAVIGATOR is displayed.



Here there are more functions available to you which you can use whilst navigation is running (see "The Navigation Screen" on page 61).

Now you can start driving and FALK NAVIGATOR will ensure you reach your destination safely and without stress.

To end the navigation, proceed as follows:

1. Tap the arrow symbol in the bottom right of the navigation screen.
The extended navigation functions appear.
2. Tap the **End navigation** button.

Navigation is stopped and you return to the main selection screen.



2 Quick Overview of FALK NAVIGATOR

Here you will find out more about the main selection screen and the basic use of FALK NAVIGATOR.

2.1 The Main Selection Screen in FALK NAVIGATOR

1. Open FALK NAVIGATOR on your PND/PDA.

Note: The way in which you open FALK NAVIGATOR depends on the type of device you are using (see "Important Notes on Starting FALK NAVIGATOR" on page 14).

The main selection screen appears.



You now have various options to choose from.

Navigation



Tap the **Navigation** symbol if you want FALK NAVIGATOR to guide you from your present location straight to a specific destination or via several route points (see "Navigating with FALK NAVIGATOR" on page 29).

Note: There are many different ways to specify the destination; enter a new address, choose from user-defined destinations, previous destinations as well as various Points of Interest, e.g. hotels & restaurants, contained in FALK NAVIGATOR's data records (see "Selecting a Destination" on page 45).

Settings



Tap the **Settings** symbol if you wish to change the program options e.g. map, volume, language, system etc. (see "Configuring the Settings" on page 69).

Route Planner



Tap the **Route Planner** symbol if you wish to plan a route from a specific starting point to a particular destination (see "Route Planning with FALK NAVIGATOR" on page 39).

Note: **Navigation** and **Route Planner** are basically structured in the same way. With the Navigation function, the point of departure is always automatically set as the current GPS position. You simply have to enter your destination. With **Route Planner** however, you can manually enter the point of departure (as well as the destination).

Opening the help file



Tap the "?" symbol, to open FALK NAVIGATOR's help file.

Exiting FALK NAVIGATOR



Tap the "X" symbol to exit FALK NAVIGATOR.

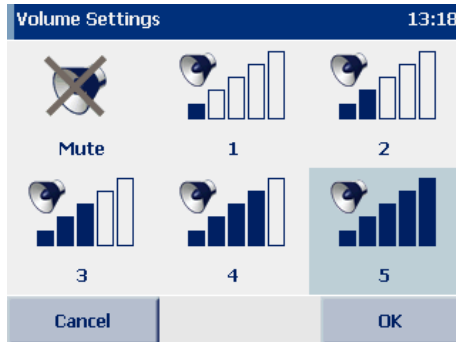
2.2 Basic Use

Here you will find information to help you familiarise yourself with the basic operation of FALK NAVIGATOR.

Working with Symbols/Buttons

The buttons in the program can have different statuses and appearances:

- If there are several symbols to choose from, the background of the selected symbol will be highlighted with a dark colour. To confirm your selection, Tap **OK**.



- For symbols with an on/off function, the appearance switches between a "crossed-out symbol" (function deactivated) and a "not crossed-out symbol" (function activated).



- Tapping a crossed-out symbol **without** an on/off function will terminate a particular action or process (e.g. "End navigation")



- In symbols that you use to switch between two statuses, the status currently selected will be highlighted and the deactivated status will be automatically "greyed out" (e.g. 2D/3D map view).

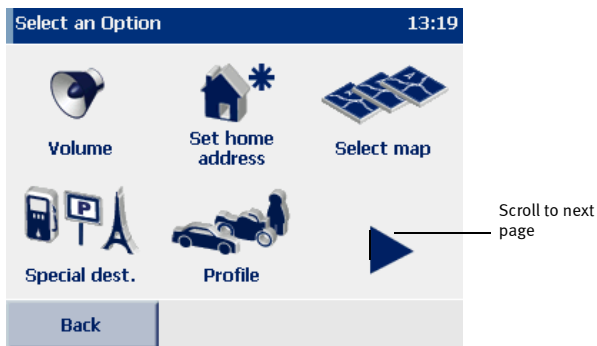


- Selected buttons are shown as "pressed in" and buttons not selected are shown as "not pressed in". (e.g. Town/P.code)



Scrolling to the Next Screen Page

Tapping the arrow symbol will scroll to the next page of available functions. To return to the first page, scroll back in the opposite direction.



Exiting the Selection Screen / Accepting the Selection

- If you tap **Back** or **Cancel**, you will return to the previous page without making a selection.
- Tapping **OK** will accept the selection.

3 Navigating with FALK NAVIGATOR



WARNING

Danger of accidents!

- For your own safety, you should attach your PND/PDA securely in the vehicle using a special holder. Ensure that the holding device does not hinder the effectiveness of passenger safety systems (seat belt, airbag, etc.) in any way. Make sure the device is sufficiently secure so that it will not become dislodged even in the event of emergency braking or a collision.
- Actively operating FALK NAVIGATOR whilst driving can divert your attention from the road and can lead to accidents. You should be aware that even if you are only driving at a speed of 50 km/h (31 mph), your vehicle has a braking distance of 14 metres. Perform all the required settings and enter your destination BEFORE starting your journey or whilst the vehicle is stationary in an appropriate place. Devote your full attention to the traffic whilst you are driving!
- FALK NAVIGATOR does not provide you with any information about stop signs and the rules of the road, which you are obliged to adhere to and which, of course, take priority over the instructions from FALK NAVIGATOR.
FALK NAVIGATOR will guide you to your destination via an alternative route if you are forced to deviate from the route originally suggested.

With the navigation function, FALK NAVIGATOR guides you from your present location to any destination of your choice. In this case, it is not necessary to enter the starting location yourself - this is determined by FALK NAVIGATOR automatically.

You have the following possibilities for navigation:

- Navigation from your current location to one specific destination
- Navigation from your current location to several points en route.
- Position tracking (without destination)

Note: Please note the different settings and options in FALK NAVIGATOR and configure them before starting navigation (see "Configuring the Settings" on page 69).

3.1 Navigation from your Current Location to One Specific Destination

In this scenario, navigation consists of the following steps:

- Opening the program
- Selecting a destination
- Calculating the route automatically and displaying it on the map
- Starting navigation
- Ending navigation

Opening the Program

1. Open FALK NAVIGATOR on your PND/PDA.

Note: The way in which you open FALK NAVIGATOR depends on the type of device you are using (see "Important Notes on Starting FALK NAVIGATOR" on page 14).

The main selection screen appears.



2. Tap the **Navigation** symbol.

The destination selection screen appears.

Select the destination you wish to navigate to.

Selecting a Destination



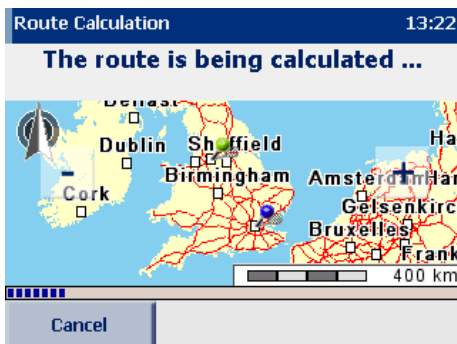
For the destination, you can use new addresses, favourite addresses, previous addresses or your home address (see "Selecting a Destination" on page 45).

Calculating the route automatically and displaying it on the map

Once you have selected your destination, your current location and your destination are immediately shown on the map. The route is also calculated straight away.

Note: You can therefore tell straight away whether you have selected the destination correctly, rather than waiting until route calculation has finished. If you made a mistake when entering the destination, you can stop route calculation and select the correct destination.

You can follow the progress of route calculation by watching the progress bar. Once the route has been calculated, it will be shown on the map (see "Using the Map" on page 59).



Note: If the GPS signal currently being received is too weak to determine your position, the last GPS position saved will be used to estimate your location.

As soon as the GPS signal is strong enough to determine your position, the route will be recalculated in the blink of an eye.

You can thereby enter your destination without GPS reception, e.g. in the office or at home, and then calculate your route. FALK NAVIGATOR can determine the current position of your vehicle when you start driving and update the route (rerouting) accordingly. You can thus begin your journey as soon as you're in the driving seat and let FALK NAVIGATOR guide you to your destination.

Showing the route description

If you wish to see a description of the calculated route (total route length, journey time etc.), tap the **Route** button.

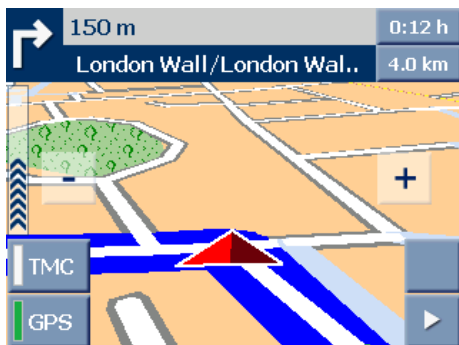
The functions here are the same as those in the Route Planner of FALK NAVIGATOR (see "Route Planning with FALK NAVIGATOR" on page 39).

Starting Navigation

- To start navigation, tap the **Navigation** button.

Note: If a message appears stating that a GPS receiver could not be found, then check your GPS settings (see "Configuring GPS Settings" on page 82).

The navigation screen of FALK NAVIGATOR is displayed.



Here there are more functions available to you which you can use whilst navigation is running (see "The Navigation Screen" on page 61).

Ending Navigation

4. Tap the arrow symbol in the bottom right of the navigation screen.
The extended navigation functions appear.

5. Tap the **End navigation** button.

Navigation is stopped and you return to the main selection screen.

3.2 Navigation from your Current Location to Several Points en Route

In this case you must perform the following steps:

- Open the program
- Add the desired stop-off points to the stop-off point list
- Start navigation
- End navigation

Opening the Program

1. Open FALK NAVIGATOR on your PND/PDA.

Note: The way in which you open FALK NAVIGATOR depends on the type of device you are using (see "Important Notes on Starting FALK NAVIGATOR" on page 14).

The main selection screen appears.



2. Tap the **Navigation** symbol.
The destination selection screen appears.



3. Tap the **Stop-off point list** button to open the list.

Adding Stop-Off Points to the Stop-Off Point List

4. Using the "+" button, add the desired stop-off points to the list (see "Selecting Several Stop-Off Points" on page 57).

Note: Remember that with the navigation option, your current GPS position is automatically used as the starting point of the route! The program will navigate to the stop-off points in the order that they appear in the list.

Calculating the Route

5. Once you have entered the desired stop-off points in the list, start the route calculation by tapping the **Calculate** button.

The stop-off points are shown on the map and the first route section (from your current position to the first stop-off point) is calculated. As soon as the calculation is complete, the route section will also be shown on the map.

Showing the route description

If you wish to see a description of the calculated route section (total route length, journey time etc.), tap the **Route** button.

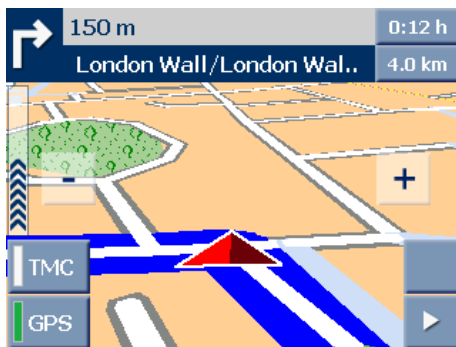
The functions here are the same as those in the Route Planner of FALK NAVIGATOR (see "Route Planning with FALK NAVIGATOR" on page 39).

Start navigation

- To start navigation, tap the **Navigation** button.

Note: If a message appears stating that a GPS receiver could not be found, then check your GPS settings (see "Configuring GPS Settings" on page 82).

The navigation screen of FALK NAVIGATOR is displayed.



Here there are more functions available to you which you can use whilst navigation is running (see "The Navigation Screen" on page 61).

Arrival at a Stop-Off Point

Once you have arrived at your first stop-off point, the **Next destination** button appears in the navigation screen.

- Tap **Next destination** to begin calculating the route to the next stop-off point on the list.

Once the calculation is complete, the corresponding route section will be displayed on the map.

- Tap the **Navigation** button to start navigating to the next stop-off point.
- Repeat this procedure for every stop-off point until you reach your final destination.

Ending Navigation

- Tap the arrow symbol in the bottom right of the navigation screen.

The extended navigation functions appear.

- Tap the **End navigation** button.

Navigation is stopped and you return to the main selection screen.

3.3 Position Tracking (Without Destination)

In position-tracking mode, your current GPS position is displayed on the map: Therefore you can constantly monitor your present position and direction.

To activate the position-tracking mode:

1. Open FALK NAVIGATOR on your PND/PDA.

Note: The way in which you open FALK NAVIGATOR depends on the type of device you are using (see "Important Notes on Starting FALK NAVIGATOR" on page 14).

The main selection screen appears.



2. Tap the **Navigation** symbol.

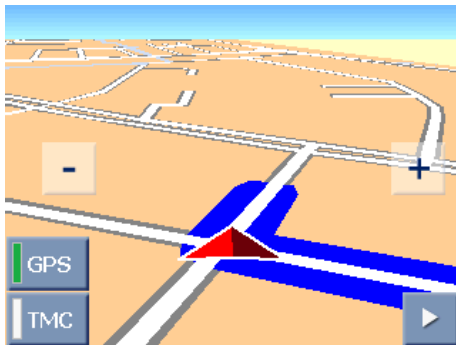
The destination selection screen appears.





3. Tap the **Position tracking** symbol.

The position-tracking mode is activated (see "Position Tracking" on page 56).



Exiting the Position Tracking Mode

4. Tap the arrow symbol in the bottom right of the navigation screen.

The extended navigation functions appear.

5. Tap the **End navigation** button.

Position tracking is stopped and you return to the main selection screen.



4 Route Planning with FALK NAVIGATOR

Navigation and Route Planner are basically structured in the same way. With the Navigation function, the point of departure is always automatically set as the current GPS position. You simply have to enter your destination. With Route Planner however, you can manually enter the point of departure (as well as the destination). This means you can calculate routes between any points and specify the desired route before the trip.

Note: Please note the various settings and options in FALK NAVIGATOR (see "Configuring the Settings" on page 69).

4.1 Route Planning – Step by Step

Route planning with a starting point and destination consists of the following steps:

- Opening the route planner
- Selecting the starting point and destination
- Starting the navigation simulation
- Ending the navigation simulation

Opening the Route Planner

Note: The way in which you open FALK NAVIGATOR depends on the type of device you are using (see "Important Notes on Starting FALK NAVIGATOR" on page 14).

1. Open FALK NAVIGATOR on your PND/PDA.

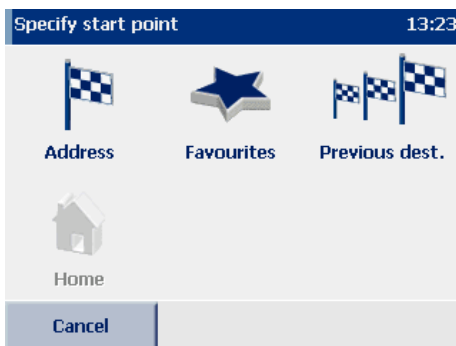


2. Tap the **Route Planner** symbol.

The destination selection screen appears.

Next you need to select the desired starting point and destination.

Selecting the Starting Point and Destination



When choosing the starting point and the destination, you can use new addresses, favourite addresses, previous addresses or your home address (see "Selecting a Destination" on page 45).

1. Select the desired starting point.
The destination selection screen appears again.

2. Next, select your desired destination.

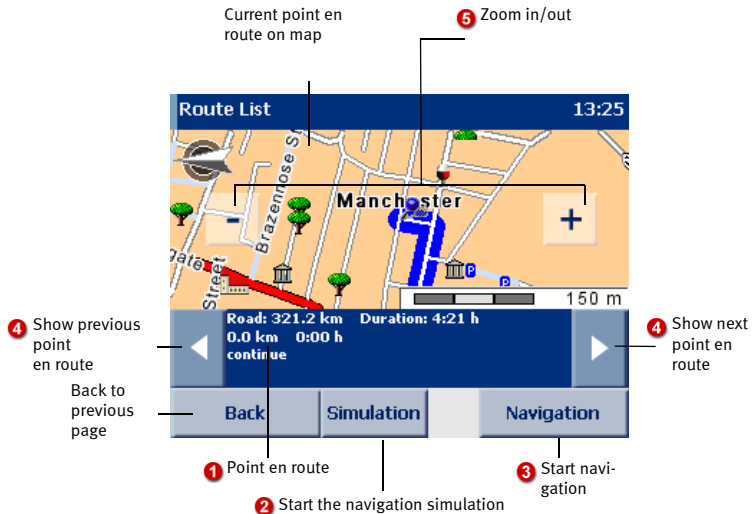
Once you have specified the starting point and destination, a route is immediately calculated between the two points and a route description is generated.

4.2

Overview of the Route Description

The route description contains a description of the individual points en route (route section length, journey time etc.) for the journey calculated.

The route description is divided into the following areas:



1 Point en route

One stop-off point at a time is shown in the lower area.

You will see the route length and journey duration above the current point en route.

2 Start the navigation simulation

Tapping the Simulation button starts the navigation simulation (see "Starting the Navigation Simulation" on page 42).

3 Start navigation

Once you have specified the route for your journey, you can start navigation from within the route description screen. FALK NAVIGATOR will automatically replace the specified starting point with your current GPS position (see "The Navigation Screen" on page 61).

4

Show next/previous point en route

You can browse through the route list by tapping the two buttons left and right of the itinerary description. The next or the previous point on route is shown. At the same time, the map section focuses on this point on route.

5

Zoom in/out

Using these two buttons - [-] and [+] - you can adjust the size and scale of the map section.

- To zoom out of the map, repeatedly tap the [-] button until you have decreased the magnification to the desired level.
- To zoom in to the map, repeatedly tap the [+] button until you have increased the magnification to the desired level.

Starting the Navigation Simulation

1. To display the route before starting your journey, tap the **Simulation** button in the route description screen.

The navigation screen of FALK NAVIGATOR is displayed.



Note: In FALK NAVIGATOR, the functions in the Route Planner are basically identical to those in Navigation - except for the fact that in Route Planner you can simulate navigation rather than actually navigating (see "The Navigation Screen" on page 61).



Ending the Navigation Simulation

2. Tap the arrow symbol in the bottom right of the navigation screen.
The buttons for the extended navigation functions appear (see "Additional Navigation Functions" on page 64).
3. Tap the **End Navigation** button.

You exit the navigation screen and return to the route description.

Tip: Once you have specified the route for your journey, you can start navigation from within the route description screen. Tap the **Navigation** button to switch to the navigation screen and start navigating. FALK NAVIGATOR will automatically replace the specified starting point with your current GPS position (see "The Navigation Screen" on page 61).



5 Selecting a Destination

Whether you are in Navigation or Route Planning, you must first select one or more destinations in FALK NAVIGATOR. Here you can choose between the following types of destinations:



- **Address**

Here you have further selection possibilities:

- Either enter new address details (**town/postcode, street and house number**) or select an address from the list of automatically saved **previous destinations**.
- **POI** – Use a POI as the destination (Point of Interest, special destination, e.g. car parks, petrol stations, hotels, restaurants, etc.).

- **Favourite destinations**

Here you can select one of your favourite destinations (that you previously saved). It is not necessary to enter the address details again.

- **Previous destinations**

FALK NAVIGATOR saves the destinations that you have already used. Therefore you can immediately select one your previous destinations as your new destination. It is not necessary to enter the address details again.

- **Point on the map** - show/use as destination

If you wish to use a new address, a favourite destination or a previous destination as the navigation destination, you can first show the

corresponding location on the map. You also have the option of repositioning the point on the map and in this way you can select the point as a new destination.

- **Home**

You can use your home address as a destination.

- **Position tracking**

In position-tracking mode, your current GPS position is constantly shown on the map. Navigation is not performed.

Note: If you want to navigate to several destinations, you must add them to a so-called stop-off point list (see "Selecting Several Stop-Off Points" on page 57).

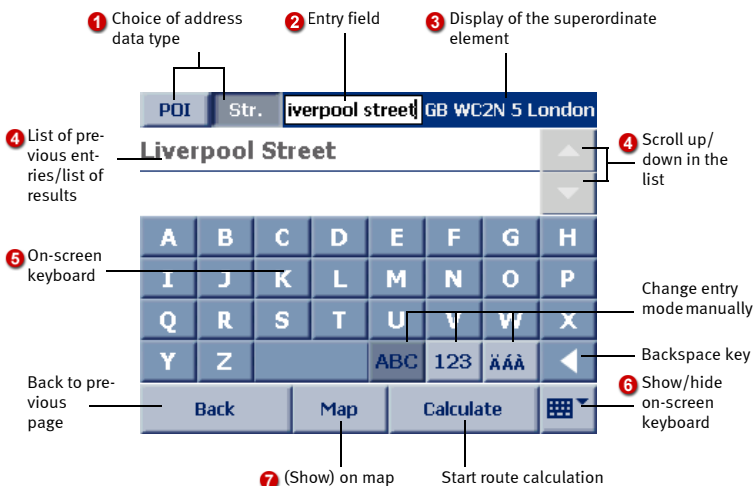
5.1 Using an Address as the Destination



1. Tap the **Address** button in the destination selection screen.
The address selection screen appears.

Overview of the Address Selection Screen

The address selection screen is divided into the following areas:



1

Choice of address data type

Here you choose which type of address "element" you wish to type in (i.e. street or POI).

2

Entry field

This is where you enter (type in) the information for the chosen address element.

3

Display of the superordinate element

Entering a destination involves working on several pages/screens. Therefore the superordinate element in each case is displayed in this box to facilitate orientation.

4

List of previous entries/list of results

Before you type anything, your **previous entries** will be visible in the list - except for when you are using FALK NAVIGATOR for the first time, as no entries will exist yet.

Whilst you are typing, the program searches for **matching results** and displays them in the list (e.g. towns or postcodes, depending on what you selected).

If you wish to view these previous entries again, simply delete the current contents of the entry field.

In addition:

- Using the arrow buttons, you can scroll up and down the list.
- If you tap a list entry, the entry is selected and you move to the next address entry page.
If you wish to calculate the route before you have entered all the address elements, do **not** tap the desired list entry. Instead use the arrow buttons to scroll in the list until the desired entry is selected. Then tap the **Calculate** button. This will not take you to the next address entry page. Instead it will start the route calculation.
- If you hide the on-screen keyboard, there will be more room on the screen to show the list and more entries (if available) will be visible.

5 On-screen keyboard

An on-screen keyboard is available in FALK NAVIGATOR to make it easier for you to enter (i.e. type in) information. FALK NAVIGATOR changes the entry mode of the keyboard, depending on the type of information you wish to enter. You can also switch between the entry modes manually by using the following buttons:

- To enter letters, tap the **ABC** button.
- To enter numbers, tap the **123** button.
- To enter special characters, tap the **ÄÄÄ** button.

Using the backspace key, you can delete your entry character by character.

6 Show/hide on-screen keyboard

Using the **Show/hide keyboard** button, you can choose whether or not the on-screen keyboard is displayed. The **list of previous entries/results** is shortened or lengthened accordingly.

7 (Show) on map

To show the selected entry in the centre of a zoomed map section, tap the **Map** button.

You also have the option of repositioning the point on the map and in this way you can select the point as a new destination - all map functions are available here (see "Using the Map" on page 59).

Selecting an Address as a Destination - Step by Step

To select an address as a destination, the following steps have to be performed:

- Select the town
- Select the street
- Select the house number

And off you go:



1. Tap the **Address** button in the destination selection screen.
The address selection screen appears (see "Overview of the Address Selection Screen" on page 46).

Selecting the town

2. Firstly you must specify the location of your destination by either entering the name of the town itself or the postcode:
 - If you decide to enter the name of the town, tap the **Town** button.
 - If you decide to enter the postcode, tap the **P.code** button. In this case, the on-screen keyboard will automatically switch to numerical input mode.

Tip: Before you enter a new town/postcode, check to see if the desired entry is in the **list of previous results** - this will save you time.

3. Using the on-screen keyboard, type in the desired town or postcode.
While you are typing, a list of matching results opens.
4. Tap the desired list entry in order to select it. Here it is irrelevant whether the entry is already highlighted or not (so-called "one-tap" selection). You then move on to the next page where you can select the street (or a POI) for your destination.

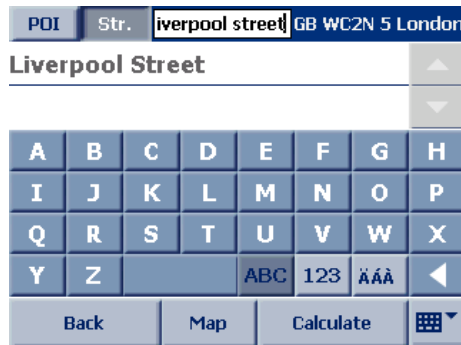
Note: If you wish to only specify a town or postcode for navigation (i.e. without entering a street and house number), do **not** tap the desired town in the list. Instead use the arrow buttons to scroll in the list until the desired town is selected. Then tap the **Calculate** button. This will not take you to the next address entry page. Instead it will start calculating the route to the centre point of the chosen town.

Selecting the street

You have now chosen the town of your destination and you will automatically move on to the next screen where you can select the

street. The selected town is shown as a superordinate element in the upper right corner of the screen.

5. Make sure that the **Street** button is pressed in.
6. Using the on-screen keyboard, type in the desired street.
While you are typing, a list of matching results opens.



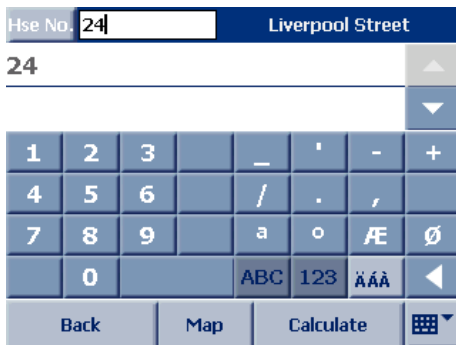
7. Tap the desired list entry in order to select it. Here it is irrelevant whether the entry is already highlighted or not (so-called "one-tap" selection). You then move on to the next page where you can select the house number for your destination.

Selecting the house number

You have now selected the street. If there are **no** house numbers available in the data for the chosen street, the destination entry process will be concluded at this point and route calculation will begin automatically.

However in most cases, house numbers are available. Once you have chosen the street, you will automatically move on to the next screen where you can select the house number. The selected street is shown as a superordinate element in the upper right corner of the screen.

8. Using the on-screen keyboard, type in the desired house number.
While you are typing, a list of matching results opens.



9. Choose the desired entry from the list as previously described.

You have now selected all elements for the desired destination. The route will now be calculated automatically and displayed on the map. To start navigation, tap the **Navigation** button (see "Starting Navigation" on page 32).

5.2 Selecting a POI as the Destination

You can use a POI within a specified town as the destination (Point of Interest, special destination, e.g. car parks, petrol stations, hotels, restaurants, etc.).

The following steps must be performed here:

- Select the town
- Select POI category
- Select desired POI

And off you go:



1. Tap the **Address** button in the destination selection screen.

The address selection screen appears (see "Overview of the Address Selection Screen" on page 46).

Selecting the town

2. Firstly you must specify the location of your destination by either entering the name of the town itself or the postcode:
 - If you decide to enter the name of the town, tap the **Town** button.
 - If you decide to enter the postcode, tap the **P.code** button. In this case, the on-screen keyboard will automatically switch to numerical input mode.

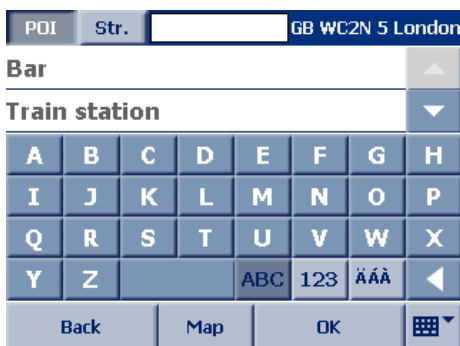
Tip: Before you enter a new town/postcode, check to see if the desired entry is in the **list of previous results** - this will save you time.

3. Using the on-screen keyboard, type in the desired town or postcode. *While you are typing, a list of matching results opens.*
4. Tap the desired list entry in order to select it. Here it is irrelevant whether the entry is already highlighted or not (so-called "one-tap" selection). You then move on to the next page where you can select the POI category.

Selecting the POI category

You have now chosen the town of your destination and you will automatically move on to the next screen where you can select the POI category. The selected town is shown as a superordinate element in the upper right corner of the screen.

5. Make sure that the **POI** button (Point of Interest) is pressed in. In this case, the list will contain all the available POI categories.



6. Select a category using one of the following methods:
 - Scroll to the desired POI category in the list and tap it once.
 - Using the on-screen keyboard, type in the name of the desired POI category (e.g. car parks, hotels etc.). Usually it is sufficient to enter the first three letters. While you are typing, a list of matching results (categories) opens. Tap the desired entry in the results list to select it.

Note: If you wish to select another POI category after you have begun typing, simply delete what you have typed by pressing the backspace key. The complete list of all available POI categories is then shown again. You can now make another selection.

Select desired POI

You have now chosen a POI category and you will automatically move to the next page where you can select the specific POI. The selected POI category and town are shown as a superordinate element in the upper right corner of the screen.



A list of all the POIs corresponding to the chosen POI category and chosen town appears. The POIs are listed according to distance. The POIs nearest to the centre point of the town will be at the top of the list.

7. Tap the desired list entry in order to select it.

You have now selected a specific POI in a specific town as the destination. The route will now be calculated automatically and displayed on the map. To start navigation, tap the **Navigation** button (see "Starting Navigation" on page 32).

Example POI Search: Selecting a Restaurant as the Destination

Assume you want to be guided to a particular restaurant in London, then proceed as follows:

1. First, select London as the town of your destination.
2. Make sure that the **POI** button is pressed in and select "Restaurant" from the list of POI categories.

Tip: Using the on-screen keyboard, type in "RES" in the entry box and then tap the corresponding list entry.

A list of all the restaurants in London are listed according to distance. The restaurants nearest to the centre point of the town will be at the top of the list.

5.3 Selecting your Favourite Destinations

In FALK NAVIGATOR you can save up to 50 destinations in a list of **favourites**. These destination can be streets, addresses or click-points, and are available at any time without needing to enter them again.

Note: If you have not yet saved any destinations, then the list will be empty.



1. Tap the **Favourites** button in the destination selection screen.
The list of favourite destinations appears.
2. Select a category using one of the following methods:
 - **Scroll:** Scroll to the desired entry in the list. To select the entry, tap **OK**.
 - **Search:** Using the on-screen keyboard, type in the name of the desired favourite. Usually it is sufficient to enter the first three letters. While you are typing, a list of matching results (favourite destinations) opens. To select the entry, tap the destination and then tap **OK**.

You can only add to or edit the list of favourite destinations by going to the **Settings** screen in FALK NAVIGATOR (see "Adding/Editing Favourite Destinations" on page 75).

You can also save your current GPS position whilst navigation is running (also possible in position-tracking mode) (see "Add to Favourites" on page 64).

5.4 Selecting Previous Destinations

FALK NAVIGATOR saves the destinations that you have previously used. This means you can easily select one of your previous destinations without having to enter or search for information again.

Note: If you have not yet planned any routes or used the navigation function, then the list will be empty.



1. Tap the **Previous destinations** button in the destination selection screen.

The list of previous destinations appears.

2. Select a category using one of the following methods:
 - **Scroll:** Scroll to the desired entry in the list. To select the entry, tap **OK**.
 - **Search:** Using the on-screen keyboard, type in the name of the desired previous destination. Usually it is sufficient to enter the first three letters. While you are typing, a list of matching results (previous destinations) opens. To select the entry, tap the destination and then tap **OK**.

5.5 Point on the Map - Show/Use as Destination

If you wish to use a new address, a favourite destination or a previous destination as the navigation destination, you can first show the corresponding location on the map. You also have the option of repositioning the point on the map and in this way you can select the point as a new destination.

1. In the destination selection screen, choose the desired selection method: address, favourite destinations, previous destinations.

The corresponding selection screen appears.

2. Enter an address or select a destination from a list (depending on the chosen method).
3. To show the address or selected destination on the map, tap the **Map** button.

The address or selected destination is shown by a marker pin in the centre of a map section.

Here you can use all the typical map functions (zoom, move etc.) (see "Using the Map" on page 59).

4. If you want select another point on the map as the destination, navigate to the relevant map section and then tap the desired location on the map.

The new destination will be marked on the map with a marker pin.

5. Tap **Calculate** to accept the selected point as the navigation selection and to start route calculation.
Once the route has been calculated, it is displayed on the map.
6. To start navigation, tap the **Navigation** button (see "Starting Navigation" on page 32).

5.6 Selecting your Home Address as the Destination

With this option, the address that you specified as your home address in the FALK NAVIGATOR settings will be used as the destination (see "Selecting your Home Address as the Destination" on page 56).



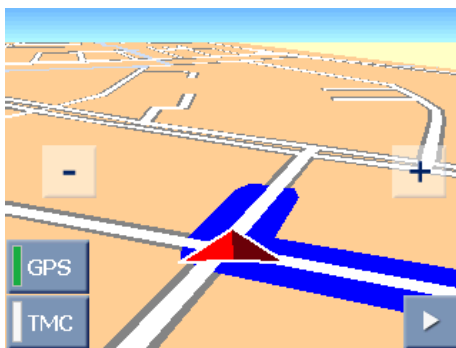
1. Tap the **Home** button in the destination selection screen.

5.7 Position Tracking

In position-tracking mode, your current GPS position is displayed on the map: Therefore you can constantly monitor your present position and direction.



1. Tap the **Position tracking** button in the destination selection screen.



All the functions and display options here are identical to those in the navigation screen (see "Quick Overview of Navigation Screen" on page 61).

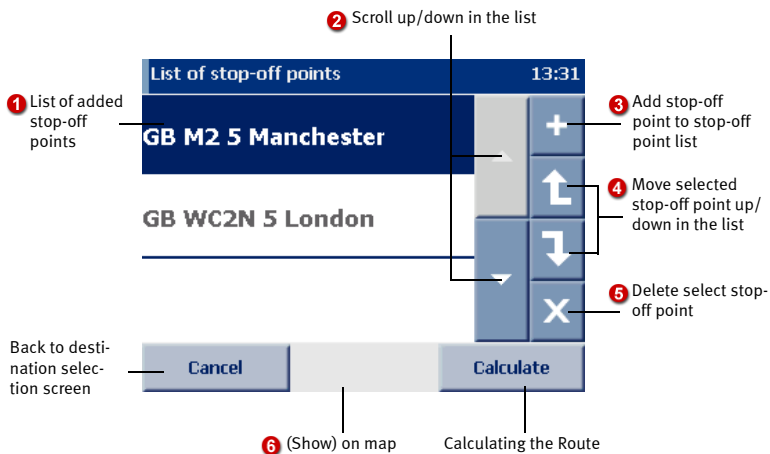
As a route is not calculated in position-tracking mode, there are no driving instructions or route-specific display functions/buttons.

5.8 Selecting Several Stop-Off Points

You can select several stop-off points (i.e. a sequence of destinations) by creating a stop-off point list.

1. Tap the **Stop-off point list** button in the destination selection screen.

The stop-off point list appears - the following functions are available here:



1 List of stop-off points

Every stop-off point you add is displayed in this area. During navigation, the program will guide you to the stop-off points in the order they appear in the list (from top to bottom). You can change the order of the stop-off points.

2 Scroll in the list

Using the arrow buttons, you scroll up and down the list.

3 Add stop-off points to the stop-off point list

Tap the "+" button to display the destination selection screen. You can now select a destination to use as a stop-off point in the usual way. Once you have made your selection, you will automatically return to the stop-off point list which will now include the new stop-off point. If required, you can now add additional stop-off points in the same way.

4**Change the order of the stop-off points in the list**

To change the position of a stop-off point, first tap the stop-off point in question. Next you can move the stop-off point up or down in the list using the arrow buttons.

5**Delete stop-off point from the list**

To delete a stop-off point from the list, tap (and therefore select) the stop-off point in question and then tap the "X" button.

6**Show a stop-off point from the list on the map**

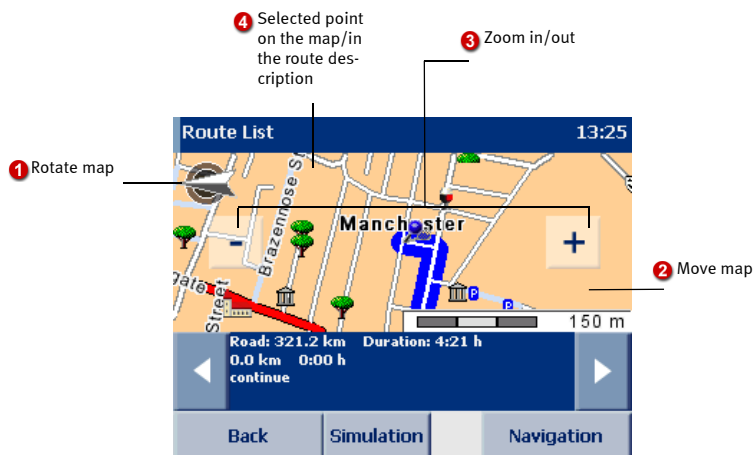
To show a stop-off point from the list on the map, tap (and therefore select) the stop-off point in question and then tap the **Map** button.

2. Once you have added all the destinations (stop-off points) to the list, tap the **Calculate** button to start the route calculation.

6 Using the Map

FALK NAVIGATOR contains a highly detailed map that you can use for many different tasks.

In addition to roads and towns, the map also shows rail lines, forests, urban areas, rivers and seas. Tourist sights and your own personal addresses are of course also included on the map.



1 Rotate the map

In some views there is also a compass which you can also use to turn the map. The map is displayed with north facing upwards by default.

To rotate the map, tap the compass using the PDA pen and move the pen in the desired direction without lifting it from the screen. The entire map is available to you when you are doing this.

Give the compass a quick tap to restore the "map facing north" setting.

2 Move the map

Tap on the map and then move the pen. The map now moves in the direction of the pen. The scale remains the same.

As soon as you lift the pen off the screen, the map will be completely redrawn.

3

Zoom in/out

Using these two buttons [–] and [+] you can adjust the size and scale of the map section.

- To zoom out of the map, repeatedly tap the [–] button until you have decreased the magnification to the desired level.
- To zoom in to the map, repeatedly tap the [+] button until you have increased the magnification to the desired level.

As the displayed map section gets larger (country - regions - towns - residential streets), more details are displayed.

Tip: You can change the size/zoom level of the map section incrementally using the scroll button on your PND/PDA.

- If you want to enlarge the map section, keep pressing your PDA's scroll button downwards until you reach the desired zoom level.
- If you want to reduce the map section, keep pressing your PDA's scroll button upwards until you reach the desired zoom level.
- If you want to set the map section to the default size, press the scroll button to the left or right.

4

Selected point on the map/in the route description

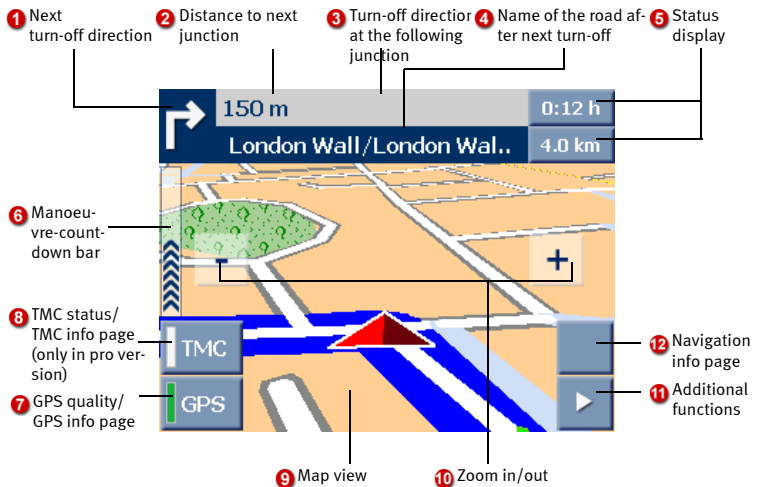
The marker indicates the location of a selected point on the map (see "Point on the Map - Show/Use as Destination" on page 55) or the point en route currently selected in the route description (see "Overview of the Route Description" on page 41).

7 The Navigation Screen

All the information you need for driving is provided clearly and comprehensively in the navigation screen.

7.1 Quick Overview of Navigation Screen

The navigation screen is divided into the following areas:



1 Turn-off direction

This arrow shows the direction in which you have to turn at the next junction.

2 Distance to next junction

This shows you how far away the next junction is.

3 Turn-off direction at the following junction

This arrow shows the direction in which you have to turn after the next junction. This piece of information is particularly useful if you are approaching a complicated junction which requires several subsequent manoeuvres.

4 **Name of the road after next turn-off**

Name of the road that must be turned onto next.

5 **Status display**

The status boxes show the remaining journey time as well as the current distance to the destination.

6 **Manoeuvre-countdown bar**

This bar visualises the distance to the next turn-off point. The shorter the bar, the closer the turn-off point. The bar only becomes active when the next junction is closer than 600 m within an urban area and closer than 3 km in suburban areas.

7 **GPS quality**

The quality of the GPS signal is shown using different colours in the **GPS** button.

- **Red** – Insufficient signal quality, less than 3 satellites found.
- **Yellow** – Sufficient signal quality, less than 5 satellites. Still not enough to determine altitude.
- **Green** – Good signal quality, which also allows altitude to be calculated. At least 5 satellites found.

GPS info page

Tapping the **GPS** button opens the GPS info page which contains the following information: quality of GPS signal in %, number of GPS satellites currently being received, present position in latitude and longitude, current altitude, current speed.

8 TMC status (only in pro version)

During navigation, FALK NAVIGATOR regularly accesses the latest TMC traffic information in the background. The TMC status is shown using different colours on the **TMC** button:

- **TMC status: Grey:** No TMC radio station is currently available, no TMC receiver found or TMC deactivated.
- **TMC status: Green:** TMC reception is OK and there are no traffic jams at the moment.
- **TMC status: Yellow:** TMC reception is OK. There are some traffic jams at the moment but not on the calculated route.
- **TMC status: Red:** TMC reception is OK. Traffic jam(s) on the route (the "Take into account" button is only available in this situation).

TMC info page (only in pro version)

If you tap the **TMC** button, the TMC info page opens. If the device is currently receiving a signal from a TMC radio station, the name of the station will be shown on this page, together with a bar to indicate the signal quality. The TMC status is shown in the coloured bar on the left.

- **Info page for TMC status: Grey:** "No TMC!"
- **Info page for TMC status: Green:** "No TMC traffic reports available."
- **Info page for TMC status: Yellow:** A list of available traffic reports is shown. Tap a traffic report to view more detailed information. Tap the **List** button to show the complete list of all traffic reports.
- **Info page for TMC status: Red:** Click on the **Take into account** button to make FALK NAVIGATOR integrate the TMC traffic report into navigation and if necessary calculate a route around the traffic jam. Click **Back** if you want FALK NAVIGATOR to retain the current route. Tap the **List** button to show the complete list of all traffic reports.

You should also take note of the TMC settings in FALK NAVIGATOR (see "Configuring the TMC Settings (only in pro version)" on page 80).

9 Map view

The map view is constantly updated using the GPS signal and always shows you your current position. You can choose between a two dimensional or three dimensional map display (see "2D / 3D" on page 66).

10

Zoom in/out

FALK NAVIGATOR adjusts the size/zoom level of the map section according to the current speed. You can set the size of the map manually:

- To zoom out of the map, repeatedly tap the [–] button until you have decreased the magnification to the desired level.
- To zoom in to the map, repeatedly tap the [+] button until you have increased the magnification to the desired level.

You can also use the scroll button on your PDA/PND to adjust the map size (see "Using the Map" on page 59).

11

Additional navigation functions

There are additional functions available to you for navigation, e.g. to switch between a 2D and 3D map view, day and night view, end navigation etc. (see "Additional Navigation Functions" on page 64).

12

Navigation info page

Tapping this button opens the navigation info page which contains the following information: distance to destination, estimated time of arrival, current altitude, current speed, distance to next turn-off point.

7.2

Additional Navigation Functions

You can access additional functions for navigation.

1. On the navigation screen, tap the arrow button.

A window with additional functions opens.

End Navigation



Tapping the **End navigation** button will exit navigation mode and you return to the destination selection screen.

Add to Favourites



If you tap the **Add to favourites** button, your current GPS position will be added to your list of **favourites** and can be quickly selected as a destination in future.

Route



If you tap the **Route** symbol, the route description for the calculated route is displayed (see "Route Planning with FALK NAVIGATOR" on page 39).

Day/ Night



If you tap the **Day/Night** symbol, you can switch between day mode and night mode for the map.

If you are driving at night or through a tunnel, select night mode. The brightness of the PND/PDA screen is reduced so that you are not dazzled by the brightness of the screen.

In the Settings screen, you can specify the desired brightness level for the day and night modes separately (see "Changing the Brightness of the Display on your PND/PDA" on page 78).

Turn Volume Off



Tap the **Mute** button to turn the volume for the voice alerts off/on.

In the Settings screen you can specify the desired volume level for the voice alerts (see "Setting the Volume for Voice Alerts" on page 69).

Scroll to Next Page



Tapping this arrow symbol will scroll to the next page of available functions. To return to the first page, scroll back in the opposite direction.

Recalculating the Route



If you tap the **Recalculate route** button during the journey, the route to the specified destination will be recalculated - starting from your current position.

This recalculation is useful, for example, when you select a road during the journey which is different to the one suggested by FALK NAVIGATOR.

Switch TMC On/Off (only in pro version)



Using the **TMC on/off** button you decide whether FALK NAVIGATOR should retrieve the latest traffic reports during navigation (on) or whether this information should be ignored (off).

Avoid Road in Advance



Using the **Avoid road in advance** button, you can navigate around a certain section of the calculated route. You can specify the length of the road section to be avoided in the Settings screen (see "Avoiding Roads in Advance" on page 83).

FALK NAVIGATOR takes you off the specified road via the nearest possible junction and then recalculates the route. Of course on a motorway, the next exit is used as the starting point of the diversion.

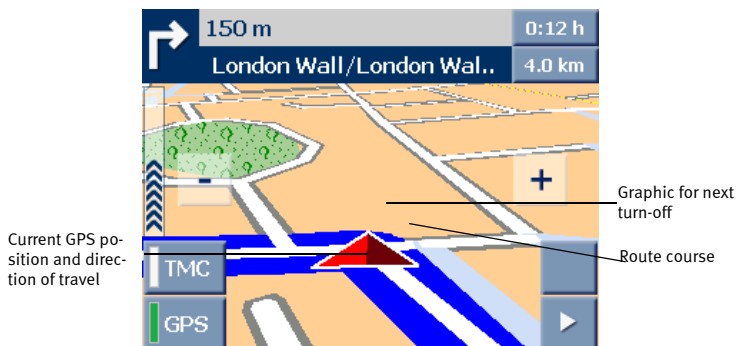
2D / 3D



If you tap the **2D/3D** symbol, you can switch between a two dimensional or three dimensional map display.

The 3D map view

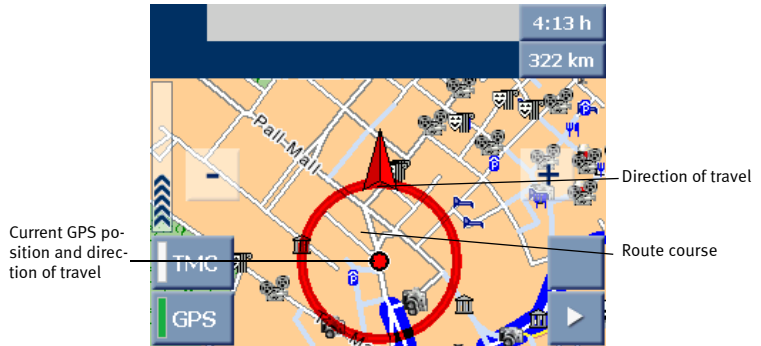
The 3D map view combines the arrow view and map view for navigation.



- The course of the route is highlighted on the map in blue. In this way, you can easily see whether you are still on course.
- The triangle indicates your current GPS position and direction of travel in the 3D map view.
- The arrow indicates the junction where you have to turn-off next as well as the direction of the turn-off.

The 2D Map View

The 2D map view combines the arrow view and map view for navigation.



- The course of the route is highlighted on the map in blue. In this way, you can easily see whether you are still on course.
- The centre of the circle indicates your current GPS position. The arrow shows the direction of travel. The circle is generally in the middle of the screen, while the map moves underneath.



8 Configuring the Settings

From the main menu of FALK NAVIGATOR, you can access the program settings, which offer a selection of options allowing you to customise the program to your needs.



1. Tap the **Settings** button in the main selection screen to open the Settings window.

Here you can change options such as map, volume, language, system, as well as the settings related to route planning.



- Tapping the arrow symbol will scroll to the next page of available settings. To return to the first page, scroll back in the opposite direction.
- By tapping the **Back** button, you close the Settings screen and return to the main menu without making any changes.

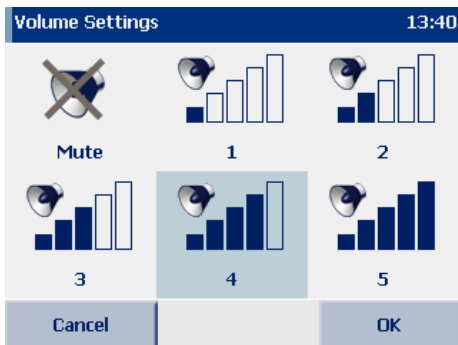
Note: There are additional navigation settings available for GPS and TMC (see "Configuring the Settings for the Data Connection" on page 81) and (see "Configuring the TMC Settings (only in pro version)" on page 80).

8.1 Setting the Volume for Voice Alerts

Using the **Volume** option, you can activate or deactivate the voice alerts for navigation. Furthermore you can set the volume for the voice alerts.



1. Tap the **Volume** symbol if you wish to change the volume settings.
The setting currently selected is highlighted in grey.



- To set the volume level of the voice alerts, tap one of the available levels (1 to 5).
- To deactivate the voice alerts, tap the **Mute** symbol.

The selected option will be highlighted in grey.

2. Confirm your changes with **OK**.

8.2 Setting your Home Address as the Destination

Using the **Set home address** option, you can use your home address as a destination. In this way, you can quickly enter a route to take you home.



1. Tap **Set home address** to use your home address as the destination for navigation or route planning.

The destination selection screen appears.

2. When specifying your home address, you can use new addresses, favourite addresses or previous addresses (see "Selecting a Destination" on page 45).

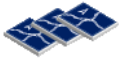
Once you have chosen an address, you will automatically return to the Settings screen.



Your chosen home address will be displayed above the **Home** symbol in the destination selection screen (see "Selecting your Home Address as the Destination" on page 56).

8.3 Selecting a Map

Using the option **Set map**, you can choose the map you wish to use for navigation or route planning.



1. Tap the **Select map** symbol to view a list of the available maps.
The map currently selected is highlighted.



Using the arrow buttons, you can scroll up and down the list.

2. Tap the name of map to select it.
The selected map will be highlighted in grey.
3. Confirm your changes with **OK**.

The selected map will now be available for navigation as well as for route planning.

8.4 Selecting a Special Destination (POI Categories) on the Map

Using the option **Special destinations**, you can specify which POI categories should be displayed on the map. You can show or hide each POI category on the map individually.



1. Tap the **Special destinations** symbol to view a list of all available POI categories.
The POI categories currently selected are each marked with a tick.



Using the arrow buttons, you scroll up and down the list.

2. Tap the name of POI category to select it.
The newly selected POI category will be marked with a tick.
3. Confirm your changes with **OK**.

Each POI category will either be shown or hidden on the map depending on the settings you have made.

8.5 Setting a Profile for Route Planning

Using the **Profile** option, you can specify and configure the mode of transport that you wish to use as the basis for calculating a route in navigation or route planning.



1. Tap the **Profile** symbol to view a list of all available profile settings.
You can now perform the following actions:

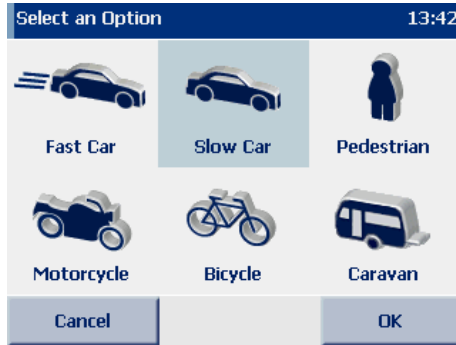
- Select a profile for driver and vehicle
- Set a profile for route optimisation
- Use/avoid motorways
- Use/avoid ferries

Selecting a Profile for Driver and Vehicle

Using the **Vehicle** option, you can specify the vehicle profile you wish to use for navigation or route planning.



1. Tap the **Vehicle** button to display all available vehicle profiles plus the "Pedestrian" profile.



2. To select a profile, tap the desired vehicle or the pedestrian symbol.
The selected vehicle/pedestrian will be highlighted in grey.
3. Confirm your changes with **OK**.

The selected vehicle/pedestrian profile will now be available for navigation as well as for route planning.

Setting a Profile for Route Optimisation

Using the **Route optimisation** option, you can choose between various optimisation settings relating to the journey time and route length.



1. Tap the **Route optimisation** symbol.
You now have various options to choose from:



- **According to distance**
Takes you to your destination using the most direct route possible. Therefore you travel the minimum number of kilometres.
- **According to time**
This option involves taking roundabout routes via motorways/bypasses around cities, if a time advantage can be achieved.
- **Economical route**
The most cost-efficient route is a compromise between the previous two options. The reason for the compromise is that a time advantage, achieved by travelling at higher speeds, can sometimes result in higher petrol consumption. Therefore the economical route is a compromise between the two extremes.

Tip: The **economical route** usually produces the best compromise between journey duration and route length.

2. Tap the desired type of route optimisation in order to select it.
The selected option will be highlighted in grey.
3. Confirm your changes with **OK**.

The selected route optimisation type will now be available for navigation as well as for route planning.

Using/Avoiding Motorways

Using the **use/avoid motorways** button, you can decide whether or not the program should use motorways during route planning.

Note: If this button is activated, then all motorways within a radius of approximately 100 km are avoided.



- Tap the **Avoid motorways** symbol if you wish to exclude motorways from being used in route planning (see "Working with Symbols/Buttons" on page 27).
- Tap the **Use motorways** symbol if you wish to integrate motorways in route planning again.

Using/Avoiding Ferries

Using the **Use/avoid ferries** button, you can decide whether or not the program should use ferry connections when planning a route.



- Tap the **Avoid ferries** symbol if you wish to exclude ferry connections from being used in route planning (see "Working with Symbols/Buttons" on page 27).
- Tap the **Use ferries** symbol if you wish to integrate ferry connections in route planning again.

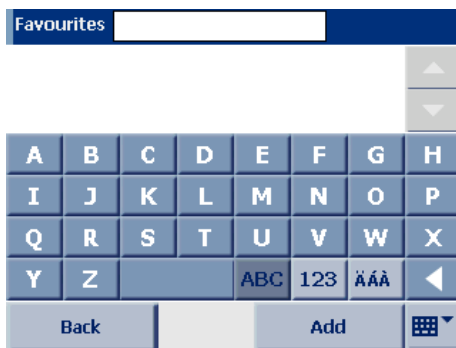
8.6 Adding/Editing Favourite Destinations

If you saved certain destinations as favourites in FALK NAVIGATOR, you can edit them in the program settings. In addition you can add new favourite destinations.



1. Tap the symbol **Edit favourites** to edit existing favourites or add new ones.

The list of favourite destinations appears.



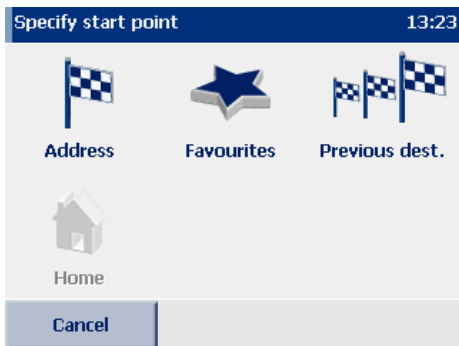
Note: If you have not yet saved any destinations, then the list will be empty.

Using the arrow buttons, you scroll up and down the list.

Adding Favourite Destinations

1. Tap the **Add** button to add a new destination.

The destination selection screen appears.



2. Enter an address in the usual way or select one of the previously entered destinations (see "Selecting a Destination" on page 45).
3. Enter a name for the favourite in the **Name** box and confirm by pressing **Add**.



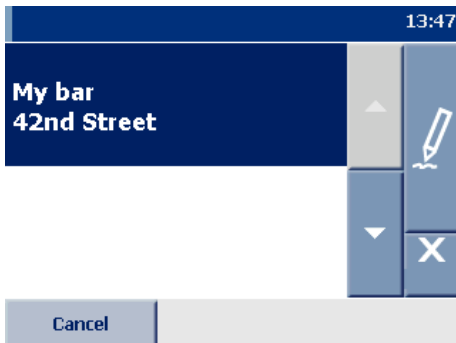
You will automatically return to the list of favourite destinations.



The new destination is now available above the **Favourites** symbol in the destination selection screen (see "Selecting your Favourite Destinations" on page 54).

Editing Favourite Destinations

1. Select the destination from the list that you wish to edit.



Using the arrow buttons, you can scroll up and down the list.

Here you can rename or delete the destinations that you have saved in FALK NAVIGATOR.

Renaming favourite destinations



1. Tap the button with the pen symbol.
2. Enter a name for the favourite in the **Name** box.
3. Confirm with **OK**.

The renamed favourite appears in the list.

Deleting favourite destinations



1. Tap the button with the "X" symbol.
2. Confirm with **Yes**.

The selected favourite is removed from the list.

Modifying favourite destinations

The only way to modify the details of a saved favourite is to delete the destination in question and then add it to the list again. Proceed as follows:

1. Select the destination from the list that you wish to modify.
2. Delete the destination (see "Deleting favourite destinations" on page 77).

3. Add the destination again as a new destination (see "Adding Favourite Destinations" on page 75).

The modified favourite appears in the list.

8.7 Changing System Settings

Using the **System settings** option, you can make additional settings related to the display on your PND/PDA and the language.



1. Tap the **System settings** symbol to view a list of all available system settings.

You can now perform the following actions:

- Change the brightness of the display on your PND/PDA
- Change the unit of measurement
- Select the voice and language
- Select the time format
- View the copyright information

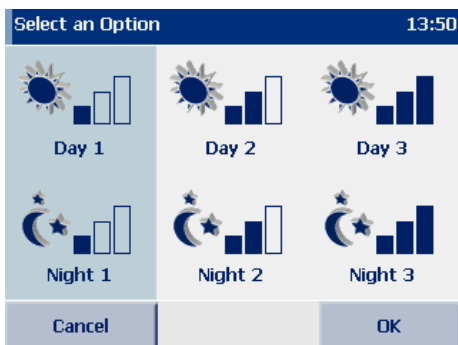
Changing the Brightness of the Display on your PND/PDA

Using the **Brightness** option, you can adjust the brightness on your PND/PDA display according to the time of day/level of daylight.



1. Tap the **Brightness** symbol to view a list of all available settings.

You now have various options to choose from:



- To optimise your PND/ PDA display for daytime driving, choose one of the **Day** options (1 to 3).

- To optimise your PND/ PDA display for nighttime driving or for driving through a tunnel, choose one of the **Night** options (1 to 3). This will reduce the brightness of the PND/PDA and therefore you will not be blinded by the display.

Changing the Unit of Measurement



1. Tap km/mi button to change the unit of measurement to kilometres or miles. Here the unit currently selected will be highlighted and the deactivated unit will be automatically "greyed out".

Selecting the Voice and Language

Using the **Voice and language** options, you can change the sound of the voice alerts.



1. Tap the **Voice and language** symbol to view a list of all available languages.



2. Tap a language to select it.
The selected language will be shown in the list.
3. Confirm with **Yes**.
A new page opens. Here you can select the type of voice for the voice alerts.
4. Tap the male or female voice to select.
5. Confirm the chosen voice with **Yes**.

You will now hear the voice alerts in the chosen language and voice during navigation.

Select the time format



Tap the **Time: 12hr/24hr** button to change the time format to the 12 hour or 24 hour system. Here the format currently selected will be highlighted and the deactivated format will be automatically "greyed out".

View the copyright information



Tap the **Copyright** symbol to view the copyright information.

8.8 Showing System Information



Tap the **About** symbol to view information on the program version, map name etc. on your PND/PDA.

System Information		13:51
Version:	3.3 / 3	
Build:	Aug 3 2005, 08:06:30 (1201)	
Map name:	gbr_111_eur	
Map data:	06/2005	
Battery:		
Back		

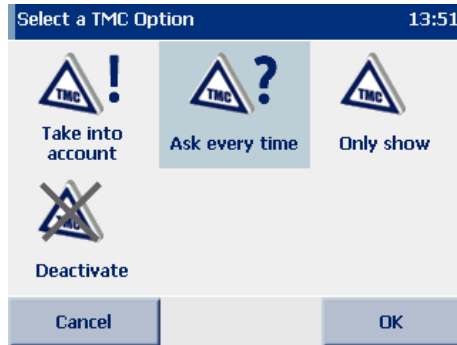
8.9 Configuring the TMC Settings (only in pro version)

Using the **TMC Settings** button, you can change the settings for TMC traffic reports.

Note: TMC settings are not required In Route Planning.



1. Tap the **TMC Settings** button.
You now have various options to choose from:



- If you select **Take into account**, all TMC tailback reports received will be used and if required FALK NAVIGATOR will calculate a new route around the tailback.

Note: FALK NAVIGATOR map will only calculate a new route around the traffic jam if it will be beneficial for you.

- If you select **Ask every time**, a window will open for each TMC tailback report during navigation. In this window you can decide whether to accept the traffic jam and let FALK NAVIGATOR calculate a route around the jam (if required), or to ignore the jam and retain the current route.
- If you select **Only show**, you will see a list of the current TMC tailback reports. However a new route will not be calculated.
- If you select **Deactivate**, no TMC tailback reports will be displayed or used.

2. Confirm your settings with **OK**.

Once you have made all your settings, you will automatically return to the main Settings screen.

8.10 Configuring the Settings for the Data Connection

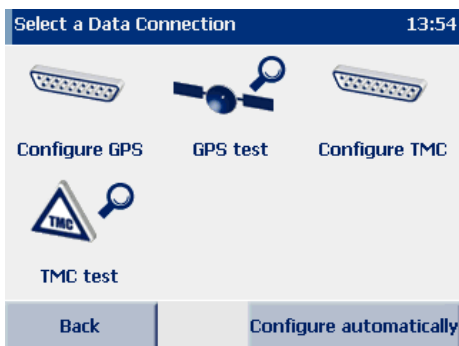
Note: Neither GPS nor TMC settings are required in Route Planning.

Using the **Data link** option, you can configure the settings for the connection between the GPS receiver and your PND/PDA as well as settings for the TMC traffic reports (only in pro version).

Note: Only advanced users should perform changes in GPS Settings.



1. Tap the **Data link** button to open the settings window for the data connection.



Note: It is recommended that you let the program find the receiver automatically. To do this, tap **Configure automatically**.

Configuring GPS Settings



1. Tap the **Configure GPS** symbol and select (tap) the serial interface (**COM port 1.....9**) that FALK NAVIGATOR can use to import position data.
2. Confirm your settings with **OK**.
The screen for setting the transfer speed (baud rate) automatically appears.



3. Tap the desired baud rate (between **4800 baud** and **115200 baud**) to select it.
4. Tap **OK** to save the settings.
FALK NAVIGATOR saves your settings and automatically returns you to the data connection settings.

Testing the GPS Settings



5. Tap the **GPS test** symbol to test the connection.
The GPS info page opens. Here you can view detailed information on the GPS settings (see "Quick Overview of Navigation Screen" on page 61).
6. Click **Back** to return to the data connection settings.

Configuring the TMC Settings (only in pro version)



1. Tap the **Configure TMC** symbol and select (tap) the serial interface (**COM port 1.....9**) that FALK NAVIGATOR can use to import position data.
2. Confirm your settings with **OK**.
The screen for setting the transfer speed (baud rate) automatically appears.



3. Tap the desired baud rate (between **4800 baud** and **115200 baud**) to select it.
4. Tap **OK** to save the settings.
FALK NAVIGATOR saves your settings and automatically returns you to the data connection settings.

Testing the TMC Settings (only in pro version)



5. Tap the **TMC test** symbol to test the connection.
The GPS info page opens. Here you can view detailed information on the GPS settings (see "The Navigation Screen" on page 61).
6. Click **Back** to return to the data connection settings.

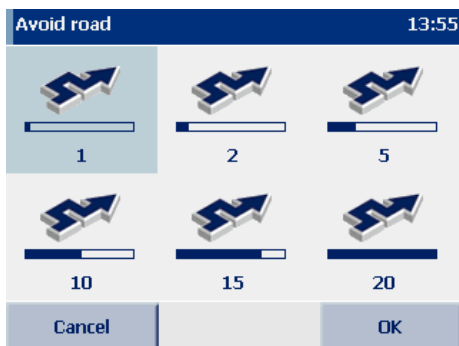
8.11 Avoiding Roads in Advance

Using the option **Avoid road in advance**, you can specify the length of the road section that you wish to close for navigation purposes.

Note: The length of the road section will be calculated in kilometres (km) or miles (mi), depending on the unit of measurement you are using on your PND/PDA (see "Changing the Unit of Measurement" on page 79).



1. Tap the symbol **Avoid road in advance** to close a road between 1 and 20 km/miles in length for navigation.



2. Tap one of the options (1 to 20).
The selected road section will be highlighted in grey.
3. Confirm your changes with **OK**.

FALK NAVIGATOR takes you off the specified road via the nearest possible junction and then recalculates the route. Of course on a motorway, the next exit is used as the starting point of the diversion.



Section 3

Planning Routes on a Desktop PC



1 The FALK NAVIGATOR Desktop

In this chapter you will find more information on the functions of FALK NAVIGATOR that can be used with a PC. In order to synchronise with your PND/PDA, Microsoft® ActiveSync™ must be installed.

1.1 Installing FALK NAVIGATOR

Make sure that Microsoft® ActiveSync™ has been installed on your PC.

Note: You will find out how to install ActiveSync® in the user documentation of your PDA.

1. Insert the FALK NAVIGATOR CD into your CD-ROM drive.
The installation wizard should start automatically.

Note: If this is not the case, start the program by double-clicking the file **setup.exe** in Windows Explorer.

2. **Select target:** Here the installation program suggests a target path.
3. If you don't want to change the suggested path then confirm the entry by clicking **Next**.
4. After you have specified an installation folder, all the files for FALK NAVIGATOR will be copied to your hard drive.

FALK NAVIGATOR then creates a program group which you can conveniently open from the Windows start menu. The group contains the FALK NAVIGATOR application as well as an uninstall program.

1.2 FALK NAVIGATOR Program Window

1. Open FALK NAVIGATOR either by clicking the **FALK NAVIGATOR** icon or via the Windows **Start menu: Start > Programs > FALK NAVIGATOR > FALK NAVIGATOR**.

The FALK NAVIGATOR program window appears.

Note: When you start the desktop application for the first time, the installation wizard starts automatically. The wizard helps you install FALK NAVIGATOR on your PND/PDA.

If you purchased FALK NAVIGATOR in a package with a PND/PDA, the software is usually pre-installed together with a map. In this case, select **Don't ask me to install again**. You only require the installation wizard if you are reinstalling the software (see "Installing FALK NAVIGATOR on the PND/PDA" on page 115).



Title Bar

The title bar contains the name of the program as well as the usual buttons for adjusting a window (minimise, maximise, close).

Menu Bars

The menu bar is located under the title bar and contains the following commands:

- In the **File** menu, you will find functions installing the navigation software, **loading the software onto the PDA** and exiting FALK NAVIGATOR.

- In the **Map** menu, you can create your own maps for your PDA navigation system via the **New** command, select maps to **load onto the PND/PDA**, switch between installed maps using the **Browse** command and open the **Route Planner**.

Note: The new entry Browse... will be available once (see "Changing Maps" on page 116). has been restarted.

- In the **Tools** menu, you will find commands for using your **personal addresses** from Outlook as destinations in FALK NAVIGATOR as well as for downloading **data sets on the internet**.
- The **Help** menu opens the **Help** options. **Hotline** shows you the hotline service details for FALK NAVIGATOR. **About...** displays the copyright and licence conditions.

Main Selection Screen

Load Map and Addresses onto PDA

Choose this option if you wish to install the maps and addresses on your PND/PDA. You have a wizard at your disposal for installing the maps and addresses.

This wizard also allows you to synchronise destinations with your PND/PDA. Select the data sets (e.g. from Outlook or hotels) that you want to be available as destinations on your PND/PDA.

The map data will be immediately loaded on to your PND/PDA, without any further diversions to the memory card (addresses stored in the memory).

Tip: Due to the amount of data, we generally recommend installing them on a memory card. Memory cards are available for PNA/PDA devices in specialist stores.

Create New Map

Choose this option if you want to create your own map from all the available data. Using the available complete maps, you can create your own maps that include only those areas that you need. In this way you save valuable memory on your PND/PDA.

The new map contains all the selected areas in the highest resolution right down to streets and house numbers. Motorways and trunk roads are included for all other areas so that you can always navigate between the selected areas without any problems.



Route Planner

Choose this option if you wish to plan routes on your PC without starting navigation. You can conveniently plan routes and display alternative routes.

Outlook Addresses

Choose this option if you wish to use your Outlook addresses as destinations on your PND/PDA. In addition, you can add more addresses with house number accuracy and then synchronise them with Outlook and your PND/PDA.

Data Sets on the Internet

With this option, you can download data from Falk and other sources. Then you install them here so you can use them as destinations on your PND/PDA. On the Internet you will also find a wide range of tourist sights and fast food restaurants, even speed traps, which you can show on your PND/PDA.

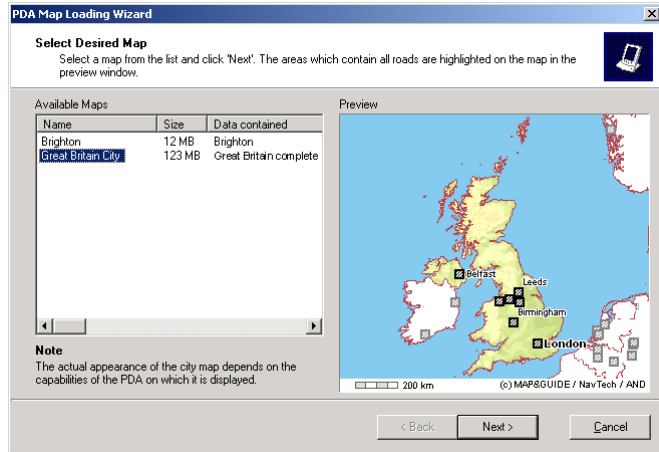
Exit Program

Select this installation if you want to completely reinstall FALK NAVIGATOR.

1.3 Loading Maps and Addresses onto the PDA

FALK NAVIGATOR allows you to transfer maps and additional data sets to your PND/PDA.

1. Click **Load Map and Addresses onto PDA**.
The PND/PDA Map Loading Wizard opens.

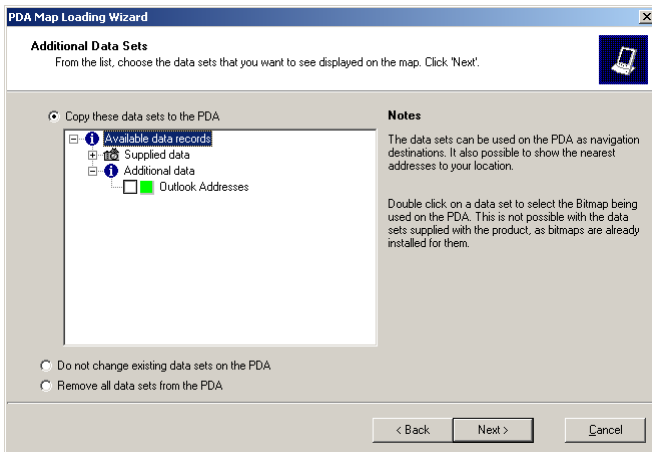


2. The wizard consists of two sections:
 - On the left, you will see all available maps (those supplied or purchased later, or ones you created yourself)
 - In the right half, you have the preview window. If no map appears in the preview window, click an entry in the list on the left to see the preview.
3. If you want to install a map on the PND/PDA, select an entry from the list and then click **Next**.

Note: You also have the option of leaving maps already on the PND/PDA unchanged and only changing the data sets. To do this, click **Next** without selecting a map. FALK NAVIGATOR now informs you that you have not selected a map.

*The window for selecting **additional data sets** opens. The dialog box has a navigator tree on the left with all data sets that can be displayed on the map.*

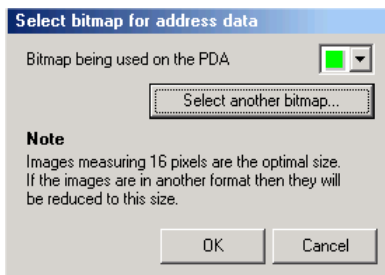
Note: If you wish to remove a map from the list, right-click the desired entry and then **Delete Map**.



4. Select the data sets that you want to use as destinations on the PND/ PDA. To do this, select the check box to the left of the description.
5. For the data in the **Additional Data** area you can also specify which image you want to use later to identify the destinations on the PND/ PDA.
6. Double-click an entry in the list.

*The **Select bitmap for address data** opens with a list of all the available images (bitmaps).*

Note: Ideally these should have a height and width of 16 pixels. Images of different sizes are automatically converted.



7. Select an image from the **Select bitmap for address data** list, or click **Select another bitmap** to choose from more images.
In the next dialog box you can select any image (BMP format).
8. Confirm with **OK**.

The image is displayed in the list.

You can also leave the existing data sets on the PND/PDA unchanged or remove them altogether.

To do this, you have two options:

- Select **Do not change existing data sets on the PDA**.
This means any selection made in the list is disregarded.
- If you want to **Remove all data sets from the PDA**, select the corresponding option instead.
Any selection made in the list is also disregarded here.

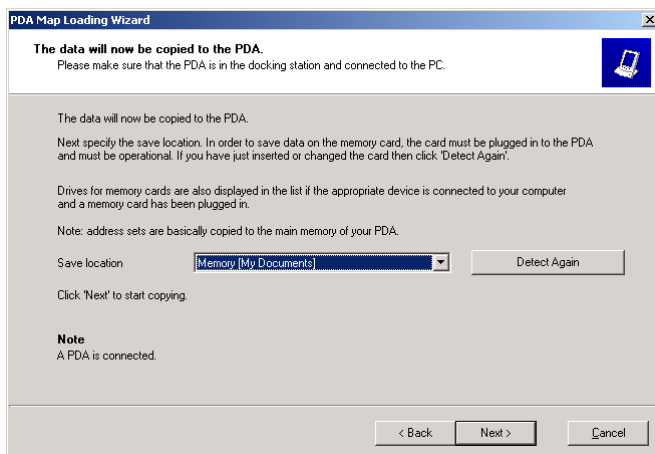
9. Click **Next**.

*Once you have selected the **data sets you wish to copy to your PDA**, they are then converted into a format that FALK NAVIGATOR can use.*

Note: This can take a few minutes. A progress bar indicates how much of the process is complete.

10. Connect your PND/PDA to the docking station of your computer.

If maps or data sets are copied to deleted from the PND/PDA, the following window appears:



Note: You can select the location in which to save the map and the data records. If you have a memory card in the PND/PDA, FALK NAVIGATOR automatically suggests this as the save location. All available PC memory cards are also listed, as long as at least one useable memory card has been inserted.

11. Click **Next**.

The Copying data... window opens.

After copying has been completed, a status message informs you that the process has been completed successfully and that you can start using the map immediately.

Switching the Memory Card

If you want to switch the memory card, or if you hadn't yet inserted the PDA into the docking station,

1. then click **Detect Again**.

FALK NAVIGATOR now searches for available memory cards again.

2. After you select the save location, click **Next**.

Copying now starts.

This process can take a few minutes depending on the size of the card. A progress bar indicates how much of the process is complete.

Note: During copying it is important that you do not take the PND/PDA out of the docking station and that you do not remove the memory card. Otherwise the map will not be copied. Furthermore, these actions may result in data loss on the memory card.

1.4 Create New Map

Note: If you purchased FALK NAVIGATOR in a package with a PND/PDA, the map is usually pre-installed on the memory card of the PND/PDA. There is usually only a little available memory left on the memory card with the complete map.

Because you generally only move around certain areas of a country, you usually only need a small map which shows these areas in high resolution; the same way as you would only buy a city map of a city that you wanted to visit. An interurban map is usually enough for all other regions.

FALK NAVIGATOR applies this principle perfectly on the PND/PDA. By creating your own map, you save valuable memory on your PND/PDA. Routes are also calculated more quickly as the number of available roads is comparably small.

Selecting towns and personalised sections

To create your own map section, follow the instructions of the wizard:

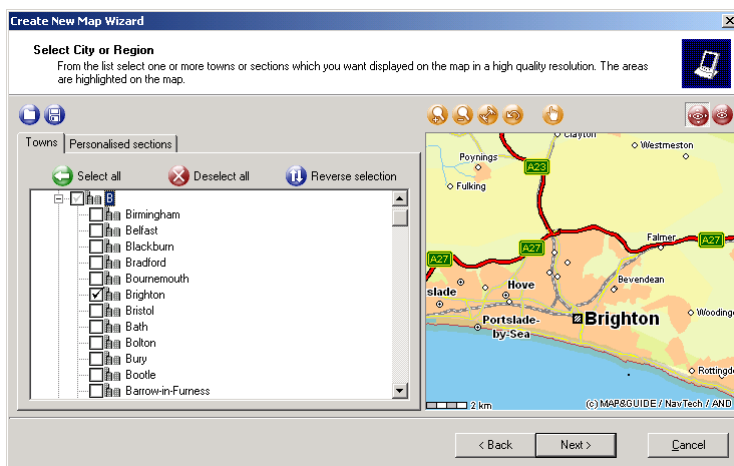
1. Click the Create **New Map** button in the main menu.

A window opens containing the explanatory notes for the wizard.

2. Click **Next**.

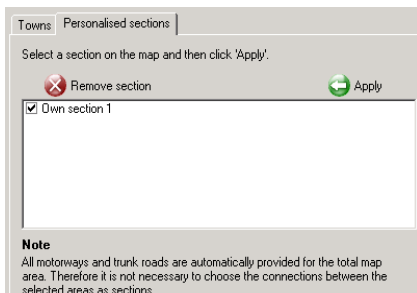
On the right-hand side of the window, you will see the installed map. On the left-hand side, there are three tabs: **Towns**, **Regions** and **Personalised Sections**:

- The **Towns** tab contains an alphabetical list of all towns with over 20,000 inhabitants. Click the name of the town to see it on the map.
To select a town, just click the check box to the left of the name. A check mark appears in the box.
You can select all towns, clear the selection of all towns, as well as reverse selection using the three buttons above the list. Select the towns that you don't want and then click Reverse Selection.
- The **Regions** tab contains administrative areas (e.g. federal states, counties) and special regions. The list is simpler in design than the list of towns but works in exactly the same way. The buttons above the list are also the same as with towns.

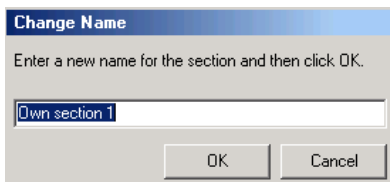


- The **Personalised Sections** tab doesn't contain any entries at the start.

3. Select a section on the map using the mouse and then click **Apply**.
*An entry with the name **Personalised Section** followed by a consecutive number is added to the list.*



4. You can change the automatically assigned name by right-clicking the name and then selecting **Rename**.
*The **Change Name** dialog box opens.*



This name later appears in the list of included data when the map is selected for downloading to the PND/PDA (see "Loading Maps and Addresses onto the PDA" on page 90).

5. After you have selected all the sections and towns that you want, click **Next**.
All selected towns, regions or personalised sections will be included on the map in high resolution with all roads, down to house number level. Motorways and trunk roads are included for all other areas so that you can navigate between the selected areas without any problems.

Entering map name and final check

6. In the next window enter the name of the map. This is the name that FALK NAVIGATOR will use on the PND/PDA.

Note: Please note that there is only limited space available for the name on the PND/PDA. Short, meaningful names are therefore recommended.

7. Click **Next**.

In the next window you can check again whether all entries are correct.

8. If you want to make changes, just click **Back** to return to the page where you either selected towns or entered the map name.
9. Click **Next**.

FALK NAVIGATOR generates the new map section.

Buttons above the map

The map on the right shows each selected area. Immediately above the map window you will find the buttons that allow you to work with the map. Using these buttons, you can change the map view quickly and easily:



Zoom out



Zoom in



Display total view



Display previous map section

You can control whether the map is shown in normal or preview mode using the two buttons to the right above the map.



In **normal mode** selected towns or regions are only outlined in the selected area.



In **preview mode** only those areas that will later appear in high resolution on the map are drawn. All other areas are hidden.

Buttons above the tabs

You can save your map design or earlier designs using the two buttons to the left above the list.



Load map design



Save map design

A map is not generated yet but the towns and sections that you have selected are saved so that you can easily add more sections to your map later.

Generating the map

The process of map generation can take some time. Wait until the process has finished.

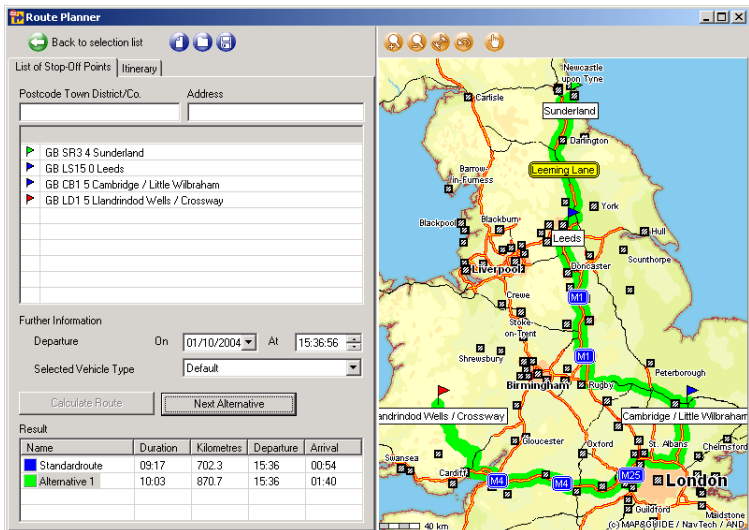
After the process has been successfully completed, you can load the map onto the PND/PDA (see "Loading Maps and Addresses onto the PDA" on page 90).

1.5 Opening the Route Planner

FALK NAVIGATOR Desktop contains a route planner with which you can plan your trips on your PC.

1. Click the **Route Planner** button in the main menu.

The corresponding window opens.



Note: This window contains the standard Windows functions such as minimise, restore and close.

List of Stop-Off Points Tab

You start planning a route (with a point of departure and destination) in the **Route Entry** tab. The List of Stop-Off Points tab contains all functions for entering stop-off points. In addition you can specify the departure time and the vehicle settings.

In order to be able to plan a route, enter a point of departure and a destination. You can also enter points along the way to be included in the route.

The calculated route will be shown in the results list of this tab and also drawn on the map.

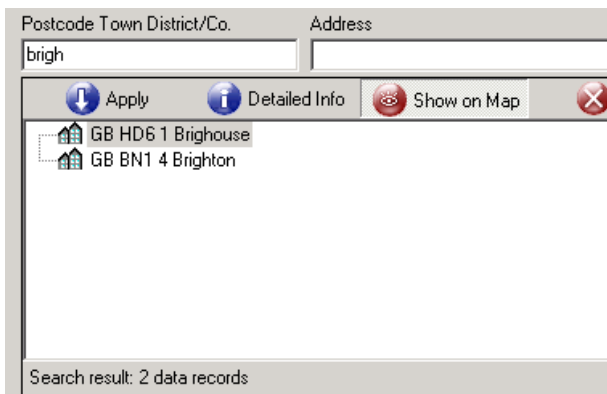
Creating a list of stop-off points

The area for inputting stop-off points is on the left of the window. The map is on the right. You can resize the two areas by using the mouse.

1. Click in the **Postcode Town District/County** text box and enter the name of the first stop-off point.
2. In the **Address** text box you can enter more details.

As you type, a list containing the results of the search opens beneath the text box.

Tip: You don't have to enter all values. FALK NAVIGATOR uses all available entries for the search and shows you a list of search results as you type.



3. Click the desired entry.
4. Click **Apply**.

The destination is added to the list of stop-off points.

Tip: Click **Detailed Info** to see additional information on the selected location or address. To see the address on the map, click **Show on Map**.

5. Click the Close button on the right of the list to exit the search without selecting any destination.

Note: FALK NAVIGATOR contains a comprehensive location database that contains more than 100,000 entries for Great Britain/Ireland alone. It includes even the smallest of districts. FALK NAVIGATOR also has a street index for almost every town in Great Britain/Ireland and even a house number index for many towns.

Creating stop-off point lists with address data

By entering special search terms, you can quickly access the wide range of location information and address data available in FALK NAVIGATOR.

1. First enter the town that you want to search, then a space followed by a plus sign. Directly after the plus sign enter the search term.

Examples:

- If you want to find all hotels in Dublin, enter "**Dublin +Hotel**".
- If you want to find only Best Western hotels in Dublin, enter "**Dublin +Best**".
- If you enter "**Glasgow +station**", Glasgow train station is returned.
- If you synchronised your Outlook Address Book with FALK NAVIGATOR, you can select the destination (located in York for example) by entering "**York +Outlook**" or "**York +Address**".

Note: So that FALK NAVIGATOR can recognise that a special search term has been entered, you must enter the term directly after the plus sign. There cannot be a space between the two.

Search terms themselves can include spaces. However to ensure that FALK NAVIGATOR does not incorrectly interpret these entries, you must put them between inverted commas, for example, Dublin + "Best Western".

Symbols in the list of stop-off points and on the map

The following colours are used in the list of stop-off points and on the map to indicate information:

- Green: **Point of departure**
- Blue: **Point on route**

- Red: **Destination**

Selecting a vehicle profile

By using the **Selected Vehicle Type** list, you can choose between various vehicle profiles.

1. Select the vehicle type that best describes your own vehicle.
 - **Standard**
A vehicle which, on average, can travel 100km/h or faster on motorways and up to 80km/h on trunk roads.
 - **Fast car**
A vehicle which, on average, can travel 120km/h or faster on motorways and up to 80km/h on trunk roads.
 - **Slow car**
A vehicle which, on average, can travel 100km/h on motorways and up to 70km/h on trunk roads.

Buttons above the tabs

Using the buttons on the left, above the tab, you can create a new stop-off point list, load stop-off point lists you saved earlier and save the current stop-off point list.

Note: The buttons are only visible if the associated function is available. You can't save a list of stop-off points if the list doesn't contain any entries for example.



New Stop-Off Point List



Load List of Stop-Off Points



Saving a Stop-Off Point List

Buttons above the map

Immediately above the map window you will find the buttons that allow you to work with the map. Using these icons, you can change the map view quickly and easily:



Zoom out



Zoom in



Display total view



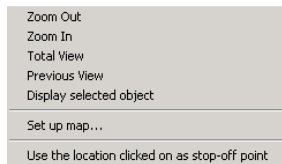
Display previous map section

Tip: You can select map sections yourself using the mouse. To do this, hold down the mouse button and drag a frame across the desired area. The selected area is then immediately enlarged and replaced by a detailed map. If you keep SHIFT pressed at the same time, you can also move the map. The map is not enlarged.

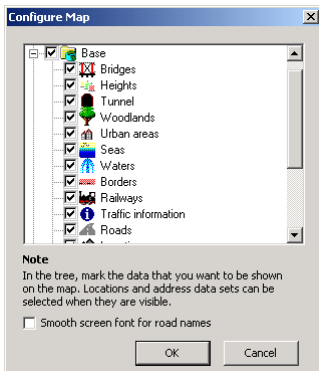
shortcut menu

1. Right-click directly on the map.

The shortcut menu opens and displays a list of all available map functions.



- The functions in the upper part of the list relate to map navigation. You can **zoom out** from or **zoom in** on the current map view, **display the total view** of the map, return to the **previous view** show the selected object on the map.
- The **Set up Map** command allows you to specify which elements are visible on the map. The settings relating to map data and visibility allow you to select data shown on the map in the list. You can hide the individual data areas on the map (or show them again) by clicking the desired level and then selecting or clearing the check box below the list.




- The Font Smoothing function is only available under Windows 98 and Windows ME operating systems. If this function is active, slanted street names are easier to read.
- If you want to use the **click-point as the destination**, then select the corresponding command in the menu. FALK NAVIGATOR then inserts this spot as a stop-off point and derives its description from the nearest town or street.
- Clicking **Show entire route** will return you to the overview display of the route if you have zoomed in or out.

Creating an itinerary

Once you have entered two stop-off points, you can have the **route calculated**.

1. In the **List of Stop-Off Points** tab, click the **Calculate Route** button.
After route calculation, you can read the result in the list at the bottom of the screen.

Result				
Name	Duration	Kilometres	Departure	Arrival
 Standard route	00:24	23.7	12:56	13:21

The calculated route is shown in the same colour on the map.

Calculating alternative routes

You can calculate up to three alternative routes.

1. To do this, click **Next Alternative**.

The alternative routes are then also included in the list of results.

2. Click one of the routes to see it on the map. The colour symbol on the left of the list indicates the colour of the calculated route on the map.

You can view the detailed route by going to the **Itinerary** tab.

Saving a Stop-Off Point List

Using the **Save stop-off point list** function, you can assign a name to the current stop-off point list or overwrite existing lists. You can also make the stop-off point lists available for your navigation system.

1. Click the  **Save stop-off point list** button.

*The **Save List of Stop-Off Points** dialog box opens:*

- FALK NAVIGATOR automatically enters a name in the **Name of Stop-off Point List** box. This name consists of the point of departure and destination.
You can either accept the name or change it to something else.
- The **Existing Stop-Off Point Lists** area contains all the previously saved stop-off point lists.

Note: If you save a modified or new stop-off point list with an existing name, the previous stop-off point list will be overwritten.

2. Click **OK**.

The stop-off point list is then saved under this name.

Load List of Stop-Off Points

Using the **Load stop-off point list** function, you can load one of the previously saved stop-off point lists.

1. Click the  **Load stop-off point list** button.

*The **Load List of Stop-Off Points** dialog box opens.*

2. Choose the desired list from the **Available Stop-Off Point Lists** area.

Note: If you have already entered stop-off points for a new route, then these points will be discarded and the selected stop-off point list will be opened in the route planner.

3. Click **OK**.

The stop-off points will be automatically added to the route planning list and a route can then be planned for them.

Itinerary Tab

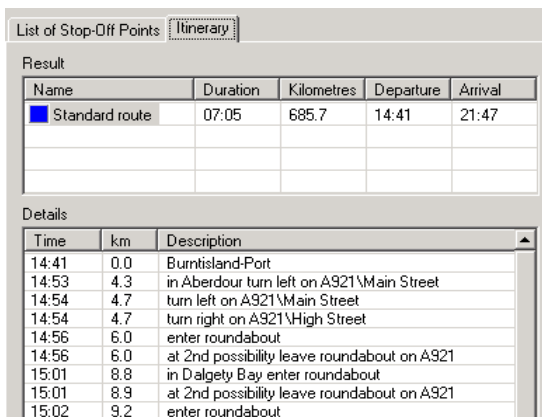
You can switch between the **list of stop-off points** and the **itinerary** using the tabs at the top of the screen.

Note: Of course, an itinerary is only available if you have first calculated a route.

The itinerary contains all the important driving instructions and details on the direction that you have to travel in. The distance (in kilometres) from the point of departure and the calculated time is also given.

The upper area of the itinerary provides you with an overview of the routes as well.

Click a route to switch to the associated itinerary. The route is then also shown on the map.



List of Stop-Off Points **Itinerary**

Result

Name	Duration	Kilometres	Departure	Arrival
<input checked="" type="checkbox"/> Standard route	07:05	685.7	14:41	21:47

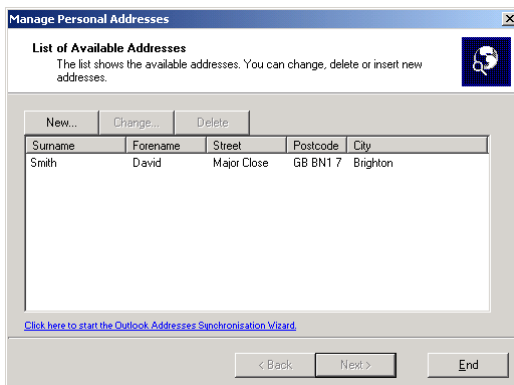
Details

Time	km	Description
14:41	0.0	Burntisland-Port
14:53	4.3	in Aberdour turn left on A921\Main Street
14:54	4.7	turn left on A921\Main Street
14:54	4.7	turn right on A921\High Street
14:56	6.0	enter roundabout
14:56	6.0	at 2nd possibility leave roundabout on A921
15:01	8.8	in Dalgety Bay enter roundabout
15:01	8.9	at 2nd possibility leave roundabout on A921
15:02	9.2	enter roundabout

1.6 Outlook Addresses

A simple and easy-to-use synchronisation function allows you to use contacts in your Outlook Address Book as destinations in FALK NAVIGATOR. You can also add more details to your addresses and then synchronise these again with Outlook.

1. Click **Outlook Addresses** in the main menu to start the wizard.



The list shows all addresses that are currently available as destinations. You can record new destinations, and change or delete existing ones. You can also start Outlook synchronisation from the wizard.

Creating or Changing Addresses

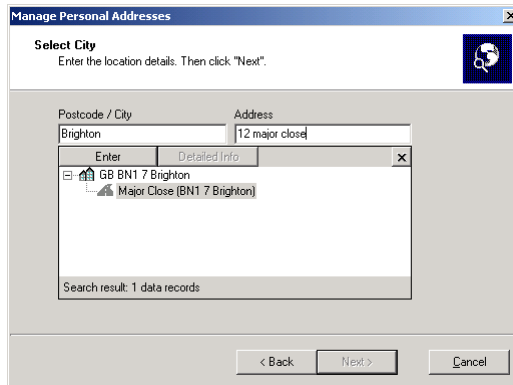
This is how to create a new destination or change an existing one:

1. In the wizard click either **New** or **Change**. A window opens in which you can enter general data.
2. Enter general data such as surname, first name, telephone number and e-mail address.
3. Click **Next**.

The window to enter the address opens.

4. Enter the address as completely as possible including the street and house number.

Possible matches are found whilst you type and are displayed in a window.



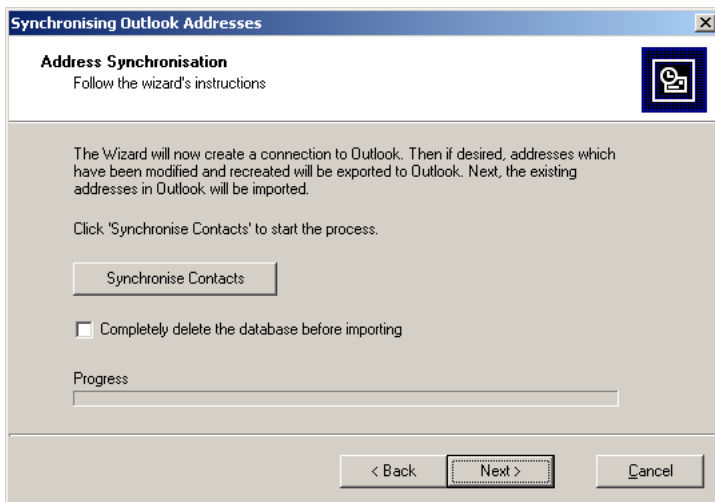
5. Select the correct entry from the list.
6. Click **Apply** and then **Next**.
Now your full details are displayed in a window once again. You can also see where the address is located on a section of map.
7. If all the data are correct, click **Next**. Otherwise change the details by clicking **Back**.

The new or changed address is now shown in the list.

Synchronising Addresses with Outlook

Before FALK NAVIGATOR can use the contacts in your Outlook Address Book as destinations, you must first import the contacts.

The synchronisation of modified addresses for Outlook and the importing of Outlook contacts for FALK NAVIGATOR are both performed in the same step. If FALK NAVIGATOR detects that addresses have been created or changed, you will be asked whether you want to add these contacts to your address book in Outlook and synchronise them.



Proceed as follows:

1. Click **Synchronise Contacts**.

Importing starts. You can also decide whether you want the FALK NAVIGATOR database to be deleted before importing; this is not usually necessary.

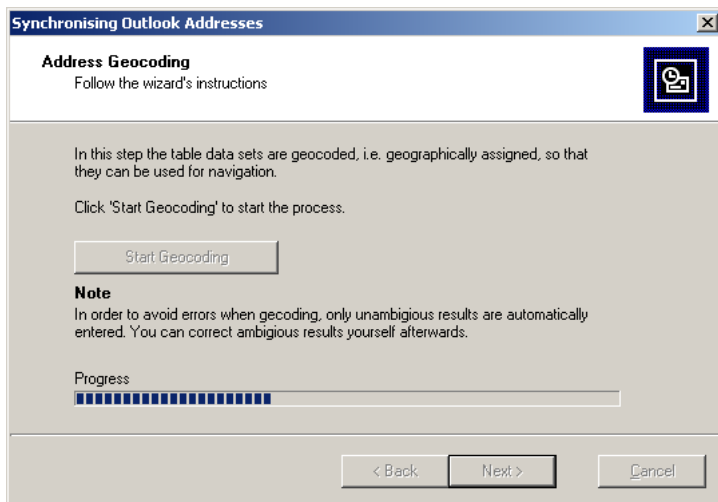
Note: Data records that already exist in FALK NAVIGATOR are only synchronised; they are not imported a second time.

Tip: You can also skip this step by clicking **Next**; no data will be imported from Outlook.

Assigning the address to co-ordinates.

This process is also called geocoding. Geocoding involves trying to determine a unique geographical co-ordinate from the address details using the FALK NAVIGATOR location database. Only then can FALK NAVIGATOR use the data as a destination.

2. Click Start Geocoding.



The co-ordinate is only automatically assigned if the result is unambiguous.

Note: Data records that have already been geocoded are not reassigned a co-ordinate.

Tip: You can also skip this step by clicking **Next**; no data will be geographically assigned.

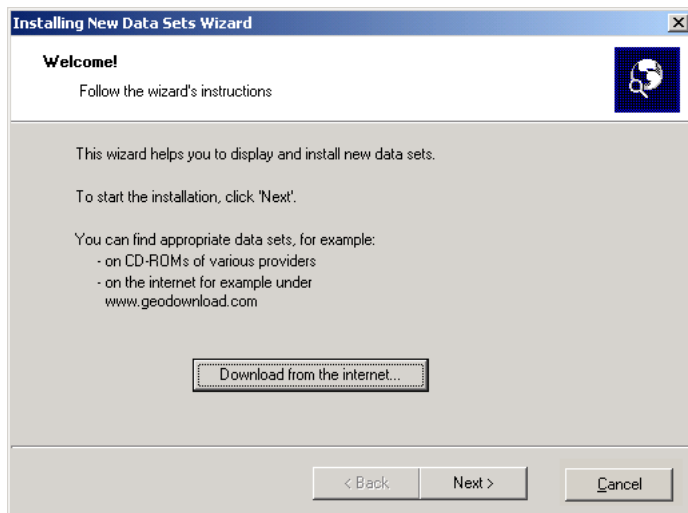
After you have performed these steps, the list of addresses is shown again.

1.7 Data Sets on the Internet

You can download data from many different locations on the Internet and then use them in FALK NAVIGATOR as destinations. These could be Falk data such as hotels, restaurants or holiday destinations, but tourist sights and fast food restaurants can also be shown on your PND/PDA.

1. Click **Data Sets on the Internet** to start the wizard.

You can directly access a portal that contains relevant data sets from the welcome page that opens.



2. Click **Download from the Internet**.
*The **Download from the Internet** page opens.*
3. Choose the desired data set.
4. Click **Close**.
5. Click **Next**.
*The **Installing New Data Sets wizard** opens.*
6. Click **Browse** and select the path to the location that you downloaded the data set to.

The following steps are very simple and are for the most part self-explanatory. The data set is unpacked and installed. When FALK NAVIGATOR is restarted, the data set will be available and can be synchronised with the PND/PDA (see "Loading Maps and Addresses onto the PDA" on page 90).



Section 4 Further Information...



1 Tips & Tricks

Here you will find the answers to frequently asked questions relating to the use of FALK NAVIGATOR.

- **What happens if I leave the calculated route?**

If this is the case FALK NAVIGATOR, will re-calculate the route.

- **Why doesn't the voice alert work for me?**

Make sure that voice alert is switched on. If it is, then check that the system volume of your PND/PDA is not too low.

- **I want to tour around countryside and scenic areas. Can FALK NAVIGATOR help me to do this?**

Go to the Settings screen and select "Avoid motorways" for the profile used for route planning.

- **Whilst navigation is running, I encounter some roadworks and I am unable to continue driving on the calculated route. What can I do?**

In FALK NAVIGATOR you can close road sections for navigation in advance: Tap the **More Settings** button in the navigation screen and then tap the symbol **Avoid road in advance**. FALK NAVIGATOR will now close the road section and will re-calculate the route. Important: You set the length of the road to be closed in the settings. It is recommended that you close a relatively small road section when avoiding roadworks and a longer road section when avoiding traffic jams.

- **How can I navigate my way back to my parked vehicle in an unfamiliar town?**

Assume you have just parked your car in an unfamiliar area and you wish to be guided back to your vehicle after walking around town: Tap the **More Settings** button in the navigation screen and then tap the **Add to favourites** button. FALK NAVIGATOR saves your current GPS position in your list of favourite destinations.

Please note that there might not be any GPS reception in multi-storey and underground car parks. In this case, save the GPS position you have when you are outside in front of the car park as the new favourite destination.

In order to be guided back to your vehicle, you simply have to select this favourite as the navigation destination.

If you are on foot, then you can select the appropriate vehicle profile ("Pedestrian") for navigation back to your vehicle. Don't forget to change the vehicle profile back to the previous setting (e.g. "Fast car") once you have reached your vehicle.

- **How can I view more information on the current navigation operation (e.g. speed, destination)?**

Firstly you can open the info page by tapping the "i" button in the navigation screen. Secondly you can open the route description by tapping the **Route** button in the **More Settings** screen.

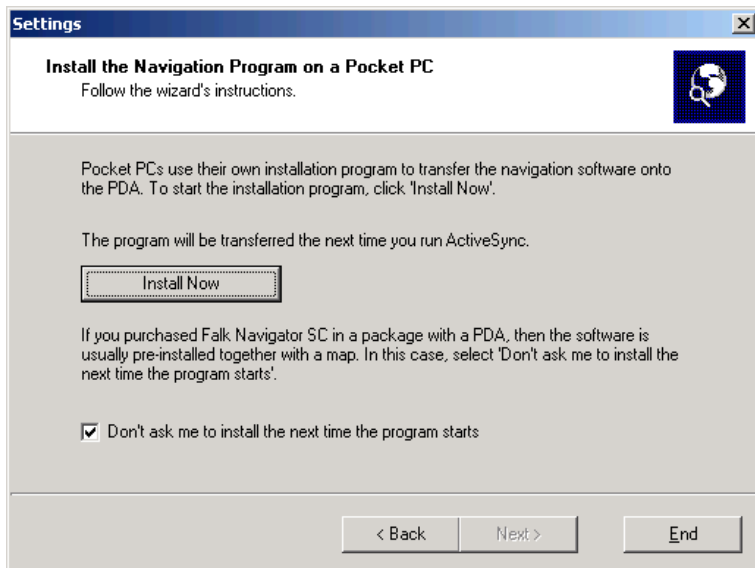
2 Reinstalling the Software

FALK NAVIGATOR should be pre-installed together with the map on your PND/PDA. If necessary, you can reinstall both the software and the map (for example if the memory card is lost or data accidentally deleted). You can also install additional maps later on.

2.1 Installing FALK NAVIGATOR on the PND/PDA

1. Install FALK NAVIGATOR on your PC if you have not done so already (see "Installing FALK NAVIGATOR" on page 87).
2. When you run the desktop application for the first time, the Installation wizard should start automatically. The wizard helps you install FALK NAVIGATOR on your PND/PDA.

Note: If this is not the case, you can also start the installation at any time using the **Installation** command in the File menu of FALK NAVIGATOR Desktop.



3. Click **Install Now** to install FALK NAVIGATOR on your PND/PDA.

4. Tick the box marked **Don't ask me to install the next time the program starts** if you decide to install the navigation program on the PND/PDA now.
5. Click **Next**.

FALK NAVIGATOR will now install the navigation program on your PND/PDA.

2.2 Installing the Map or Additional Maps

You can reinstall the map as well as install additional maps. With FALK NAVIGATOR you can access a comprehensive choice of additional maps for individual countries and Europe as a whole.

1. Insert the FALK NAVIGATOR map CD into your CD-ROM drive.
The installation program should start automatically.

Note: If this is not the case, start the program by double-clicking the file **setup.exe** in Windows Explorer.

2. The installation program automatically recognises which folder the application was installed in and by default suggests the same folder for the maps.

FALK NAVIGATOR is now ready to use and can guide you to your first destination.

Changing Maps

After the additional maps have been installed, FALK NAVIGATOR creates a new menu entry which you can use to **browse...** between the installed maps (Change map).

Note: The new entry **Browse...** will be available once FALK NAVIGATOR has been restarted.

1. Restart FALK NAVIGATOR again.
2. Click on the menu entry **Maps > Browse....**
You can now switch between all the installed maps.
3. Select the desired map.

You can now use the selected map.



Glossary

ActiveSync

A program that manages synchronisation between the Pocket PC and the desktop computer and/or a server.

Baud Rate

Indicates the speed at which two devices (e.g. PC and modem) communicate.

GPS

The abbreviation GPS stands for **Global Positioning System**. A GPS receiver localises the current position of your vehicle. The GPS receiver continuously receives signals from the 24 US NavStar satellites orbiting the Earth. The current position of the vehicle is determined from the data received from at least three satellites.

PDA

The abbreviation PDA stands for **Personal Digital Assistant**.

PND

The abbreviation PND stands for **Personal Navigation Device**.

POI

The abbreviation POI stands for **Point of Interest**. The navigation software is supplied with various addresses (POIs) grouped in to categories, e.g. hotels, restaurants, car parks. These addresses can be selected as navigation destinations.

TMC

The abbreviation TMC stands for **Traffic Message Channel**. This relates to a digital radio data service that transmits up-to-date traffic reports to devices fitted with TMC receivers. During navigation, the TMC traffic reports can be used in order to avoid traffic jams on the calculated route.



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The Licensee undertakes to store in a suitable manner both the contractual items and any copies made of the same and to secure these items in a way ensuring that no third parties have access to them or can learn of their content. The Licensee's employees are to be notified of the legal situation relating to the software and data.

5. Test Versions

Authorisation to use test versions is restricted to a period of 30 days after software installation. Test versions also have no more than a restricted operating time in technical terms. Contrary to Section 2 Para. 4, they are not to be passed on to third parties under any circumstances.

6. Licensing Fee

For the granting of the above-identified right of use of the software and data, the Licensee shall pay a non-recurring licensing fee which will be specified by the contracting parties in a separate agreement. This fee simultaneously covers licensing charges for the use of third-party software and data stocks under this Agreement.

7. Reservation of Ownership

The software and data package will remain the property of MAP&GUIDE GmbH until the licensing fee under Section 6 has been paid in full.

Pledging of the package or assignment of the same as security by the Licensee are not permitted before the licensing fee has been paid in full. In the event of attachment of the software and data package by third parties, the Licensee will give notification that the package is the property of MAP&GUIDE GmbH – insofar as the licensing fee has not been paid in full – and will inform MAP&GUIDE GmbH without delay.

If the Licensee fails to comply with the Agreement – in particular if he/she is in default on payment –, MAP&GUIDE GmbH has the right to repossess the software and data package or, if applicable, to require assignment of the Licensee's claim to recovery of possession from third parties, without such repossession by MAP&GUIDE GmbH representing rescission of the contract.

8. Guarantee

a) The Licensee shall give notice of obvious defects within a reasonable period of time and in writing by giving an exact description of the fault. If the Licensee is a commercial trader, he/she shall also examine the supplies and services of MAP&GUIDE GmbH without delay and give notice of defects discovered without delay according to sentence 1. It is the obligation of the Licensee to detect and list any faults. Delayed, insufficient or unfounded notifications of defects shall release MAP&GUIDE GmbH from its duties to perform. However, if MAP&GUIDE GmbH nevertheless takes action, the costs thereof shall be invoiced to the Licensee by MAP&GUIDE GmbH.

b) MAP&GUIDE GmbH guarantees that program functions can be executed without faults according to the program descriptions and contractual documents. There is consensus between the parties that software faults cannot be excluded due to the nature of technology, even if such software is created with due care.

In particular, MAP&GUIDE GmbH does not warrant that the program functions of the software and data meet the requirements of the Licensee.

c) MAP&GUIDE GmbH may also perform under a guarantee for received standard products by effecting subsequent improvement. Subsequent improvement is effected through the rectification of the fault, through the handing-over of a new program or data stock or by MAP&GUIDE GmbH showing ways to retrieve a new program or data stock even if this leads to an acceptable level of expenditure incurred due to an adaptation or a conversion.

d) The Licensee must give MAP&GUIDE GmbH sufficient opportunity and time to carry out any subsequent improvements and provide replacements appearing necessary to MAP&GUIDE GmbH; otherwise MAP&GUIDE GmbH shall be discharged from any liability for the consequences resulting therefrom.

The Licensee shall support MAP&GUIDE GmbH in correcting faults (by providing descriptions of faults and test data, employee information, enabling access to the installation etc.). The Licensee shall take adequate measures, in particular by making data back-ups, if the software is not fully or only partially functioning.

Only in urgent cases if the operating safety is endangered and to prevent an excessively large amount of damage is the Licensee entitled to rectify the fault himself or have such rectified by third parties and to demand the reimbursement of the necessary expenditure by MAP&GUIDE GmbH; in such a case, the Licensee is also required to notify MAP&GUIDE GmbH without delay.

e) The Licensee is entitled to withdraw from the contract in accordance with statutory provisions if, taking into account the statutory exceptions, MAP&GUIDE GmbH allows a reasonable additional period of time to pass by in vain which is granted to it to effect a subsequent improvement or make a substitute delivery due to a material defect.

However, the Licensee only has a right to reduce the purchase price if a defect is no more than minor.

In other respects, the right to a reduction in price of the contract is excluded.

MAP&GUIDE GmbH shall not accept any guarantee in particular for

- faulty, improper installation, use and handling by the Licensee
- improper maintenance
- natural wear and tear.

f) MAP&GUIDE GmbH shall support the Licensee during fault diagnosis and rectification even if it is not certain that a fault is due to the supplies and services of MAP&GUIDE GmbH. If it is established that the supplies and services of MAP&GUIDE GmbH are not faulty, MAP&GUIDE GmbH shall bill the expenses incurred to the Licensee.

g) Should the Licensee or a third party carry out a subsequent improvement improperly, MAP&GUIDE GmbH shall not be liable for any consequences resulting therefrom. Guarantee claims shall also expire if the subject matter is altered and the Licensee fails to furnish proof that the fault has occurred irrespective thereof. Moreover, MAP&GUIDE GmbH shall not accept a guarantee for as long as the Licensee uses the subject matter contrary to the restrictions on use and § 3 GTC.

9. Liability

a) If it is not possible for the customer to use the subject matter in the manner stipulated in the contract and if MAP&GUIDE GmbH is at fault for this, the claims under section 9 apply accordingly to the exclusion of further claims of the Licensee.

b) For damage which has not occurred to the subject matter itself, MAP&GUIDE GmbH shall be liable, irrespective of the legal grounds, only in case of

- wilful intent
- the gross negligence of the managing director or of executive employees
- death, injury or an impairment to health caused by the subject matter
- defects which were fraudulently concealed or the absence of which was guaranteed
- defects in the subject matter insofar as MAP&GUIDE GmbH is liable for personal injury and damage to property of privately used objects under the Product Liability Act.

c) In the event of a culpable breach of essential obligations under the contract MAP&GUIDE GmbH shall be liable also for the gross negligence of non-executive employees and for slight negligence, in the latter case restricted to damage typical for the contract which was reasonably foreseeable.

d) Further claims are excluded.

e) MAP&GUIDE GmbH may plead that the Licensee is jointly responsible for the damage.

f) Insofar as insurance cover exists, MAP&GUIDE GmbH shall place the insurance payment in full at the Licensee's disposal irrespective of the limitation of liability agreed.

10. Statute of Limitations

All of the Licensee's claims, irrespective of the legal grounds, shall become statute-barred after 12 months; if the subject matter concerns new items of moveable property and the Licensee is a consumer, all claims shall become statute-barred after 24 months. Statutory provisions apply to intentional or fraudulent conduct as well as to claims under the Product Liability Act. The start of the statute of limitations is based on statutory provisions.

11. Final Clauses

The Licensing Agreement made here shall be governed by the law of the Federal Republic of Germany with exclusion of UNCITRAL commercial law. The place of fulfilment of all obligations resulting from this Agreement is Karlsruhe. In relation to all disputes resulting from this Licensing Agreement, the contracting partners agree Karlsruhe to be the place of jurisdiction if the Licensee is a commercial trader entered in the commercial register or the equivalent.

Last amended: 01/02/05

MAP&GUIDE GmbH

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