

# MS 2000

# MS 2100 Traffic

Bedienungsanleitung

User manual

Mode d'emploi

Instrucciones de manejo

Istruzioni d'uso

Modo de emprego

Gebruiksaanwijzing

Bruksanvisning

Brukerhandbok

Betjeningsvejledning

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**Section 1**  
**Before You Start ...**

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# 1 Welcome!

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Congratulations on purchasing this PND (**P**ersonal **N**avigation **D**evice) - the complete software package for navigation!

This user's guide explains step by step how to use the PND MS2000/PND MS2100 Traffic and the additional functions that the PND offers you.

We have also provided you with a software program named PC Map Tool to help you transfer additional maps and addresses to the PND. You can set up the PC functions by using the DVD-ROM included in this package (see "Working with the PC Map Tool" on page 84).

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

## 1.1 Highlights at a Glance

Your PND offers you the following fantastic features:

- The PND 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 (**G**lobal **P**ositioning **S**ystem)
- 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
- 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 (**T**raffic **M**essage **C**hannel): With the PND MS 2100 Traffic, 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.

- The PND offers you the possibility of playing MP3 files or viewing JPEG images.

## 1.2 Design Concept of the PND

The PND 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. In addition, the buttons are transparent so that the map underneath is visible.

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## 2 Important Information

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

The PND 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 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 the PND 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 will still travel a distance of 14 metres per second. 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!
- The PND 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 the PND. The PND will guide you to your destination via an alternative route if you are forced to deviate from the route originally suggested.

## 2.1 Functions of the PND

Your PND is supplied with preinstalled navigation software that you can use to navigate to a specific destination and to plan routes. Furthermore an MP3 player and a picture viewer are also installed on the PND.

The operation of the PND is identical for the MS2000 and the MS2100 Traffic. The PND MS2100 Traffic offers you an additional function to allow you to dynamically avoid traffic jams using TMC.

When you turn on the PND, the main selection screen immediately appears (see "The Main Selection Screen of the PND" on page 6). Here you will be able to access all the available functions.

## 2.2 Further Notes

Note: Please note:

- Using the program PC Map Tool, you can install additional maps on your PND (see "Working with the PC Map Tool" on page 84).
- The PND 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.

## 3 The Main Selection Screen of the PND

In the main selection screen of the PND, you can choose from the functions **Navigation**, **Settings** and **Route Planning**. Furthermore, the main selection screen allows you to access the integrated MP3 player and picture viewer.

1. Turn on the PND.

*The main selection screen appears.*



You now have various options to choose from.

### Navigation



Tap the **Navigation** symbol if you want PND to guide you from your present location straight to a specific destination or via several route points (see "Navigating with the PND" on page 18).

**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 the PND's data records (see "Selecting a Destination" on page 32).

### 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 59).

## 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 the PND" on page 27).

**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).

## Multimedia (MP3 player/JPEG viewer)



Tap the **Multimedia** symbol on the bottom right of the screen. The multimedia selection screen opens.

Here you can open either the MP3 player (see "Playing Music (MP3 Player)" on page 76) or the JPEG viewer (see "Viewing Pictures (JPEG Viewer)" on page 80).

**Section 2**  
**Mobile Navigation**

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# 1 Quick Start - The First Journey with your PND

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## WARNING

### Danger of accidents!

- For your own safety you should attach your PND securely in the vehicle using a special holder. Ensure that the holding device does not hinder the effectiveness of passenger safety systems (seat belt, air-bag, 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 the PND 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 will still travel a distance of 14 metres per second. 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!
- The 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 the PND. The PND 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 your PND while driving, before we explain the PND's individual functions.

### Example for quick start

Let's use a specific example: You wish to start your journey from your current location in 14 Karlstrasse, Hamburg. The PND determines your current location via GPS. You simply have to enter your destination.

1. Install your device securely in your vehicle.
2. Connect the power cord to the PND.
3. Turn on the PND.

Note: When you turn on the PND for the first time, you will firstly be asked to select your desired language and type of voice.

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.



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

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

7. Tap the list entry "20095 Hamburg" 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 - 20095 Hamburg - is shown as a superordinate element in the upper right corner of the screen.*

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

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



10. Tap the "Karlstrasse" 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 - Karlstrasse - is shown as a superordinate element in the upper right corner of the screen.*

- Using the on-screen keyboard, type in the desired house number, e.g. "14" for our example.

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



- Tap the entry "Karlstrasse 14" 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.

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

*The navigation screen of the PND is displayed.*



*Here there are more functions available to you which you can use whilst navigation is running (see "The Navigation Screen" on page 49).*

Now you can start driving and PND 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.

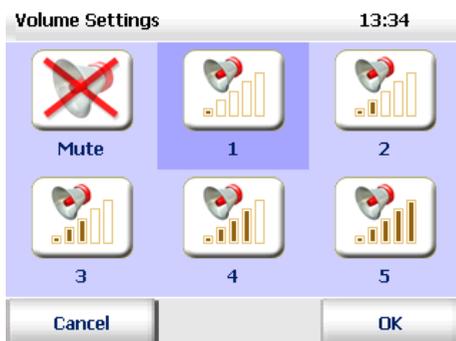
## 2 Basic Use

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

### 2.1 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 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). (Example: Avoid ferries).



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



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



## 2.2 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.

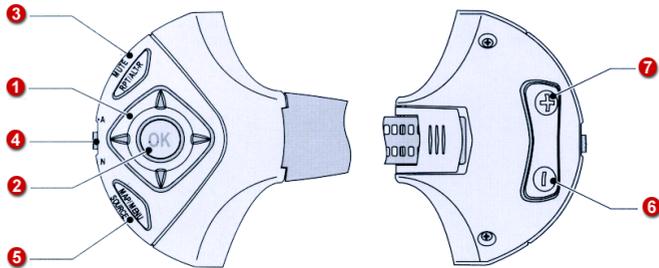


## 2.3 Exiting the Selection Screen / Accepting the Selection

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

## 2.4 Functions of the Steering Wheel Remote Control (optional)

Using the remote control (optional extra), you can conveniently operate your PND from the steering wheel of your vehicle.



### Button Functions in the Selection Mode

You can operate the functions currently available on the screen of your PND by using the buttons on the steering wheel remote control.

1. Press any part of the joystick on the remote control **1**.

*This activates the selection mode: the button currently selected is highlighted.*

- 1** Using the joystick on the remote control, you can now "geometrically" select the desired button: Imagine that all available buttons on the display are arranged in a rectangular grid, similar to the squares on a chess board for example.

**Example:** You are in main selection screen of the PDA. The **Navigation** button is currently highlighted. However you wish to open the multimedia screen. In this case, proceed as follows:

1. Press the right arrow of the joystick twice and then press the down arrow once.

*The **Multimedia** button is now highlighted.*

- 2** To select the button currently highlighted, press the **OK** button in the middle of the joystick.

In our example, the multimedia selection screen now appears.

## Additional Functions and Special Buttons for Navigation

- 3 • Short press on **RPT/ALT-R** button: Repeats voice alert for navigation.
- Press and hold **RPT/ALT-R** button: Exits navigation and returns to the main selection screen.
- 4 Switches between navigation and audio mode.
- 5 • Short press on **MAP/MENU** button: Shows **quick settings for navigation**.
- Press and hold **MAP/MENU** button: Hides **additional functions for navigation**.
- 6 Zoom out of map (fewer details visible).
- 7 Zoom in to map (more details visible).

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## 3 Navigating with the PND

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### WARNING

#### Danger of accidents!

- For your own safety, you should attach your PND 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 the PND 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 will still travel a distance of 14 metres per second. 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!
- The PND 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 the PND. The PND 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, PND 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 the PND 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

**Note:** Please note the various settings and options for navigation and route planning. Perform all settings before starting navigation if possible (see "Configuring the Settings" on page 59).

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### 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
- Exiting navigation

#### Opening the Program

1. Turn on the PND.

*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



3. Select a destination: e.g. a (new) address, a favourite destination, a previous destination or your home address (see "Selecting a Destination" on page 32).

## 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 needing to wait till the route calculation is finished to find out. If you made a mistake when entering the destination, you can stop the route calculation and select the correct destination.

You can follow the progress of the 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 47).



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. The PND 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 the PND 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 Route Planner (see "Route Planning with the PND" on page 27).

### Starting Navigation

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

*The navigation screen is displayed.*



Here there are more functions available to you which you can use whilst navigation is running (see "The Navigation Screen" on page 49).

### Exiting 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.

### 3.2 Navigation from your Current Location to Several Points en Route

In this case you must perform the following steps:

- Opening the program
- Add the desired stop-off points to the stop-off point list
- Starting navigation
- Exiting navigation

#### Opening the Program

1. Turn on the PND.

*The main selection screen appears.*



2. Tap the **Navigation** symbol.

*The destination selection screen appears.*



3. Tap the **List of stop-off points** 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 45).

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 Route Planner (see "Route Planning with the PND" on page 27).

### Starting Navigation

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

*The navigation screen is displayed.*



Here there are more functions available to you which you can use whilst navigation is running (see "The Navigation Screen" on page 49).

### 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.

7. 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.*

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

### Exiting Navigation

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

*The extended navigation functions appear.*

11. Tap the **End navigation** button.

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

## 3-3 Position Tracking

In the 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. Turn on the PND.  
*The main selection screen appears.*



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



3. Tap the **Position tracking** symbol.  
*Fig. 1. The position-tracking mode is activated (see "Position Tracking" on page 44).*



### 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 the PND

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 for navigation and route planning (see "Configuring the Settings" on page 59).

### 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

1. Turn on the PND.

*The main selection screen appears.*





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 32).

1. Select the desired starting point.

*Once you have entered the starting point, the destination select screen appears.*

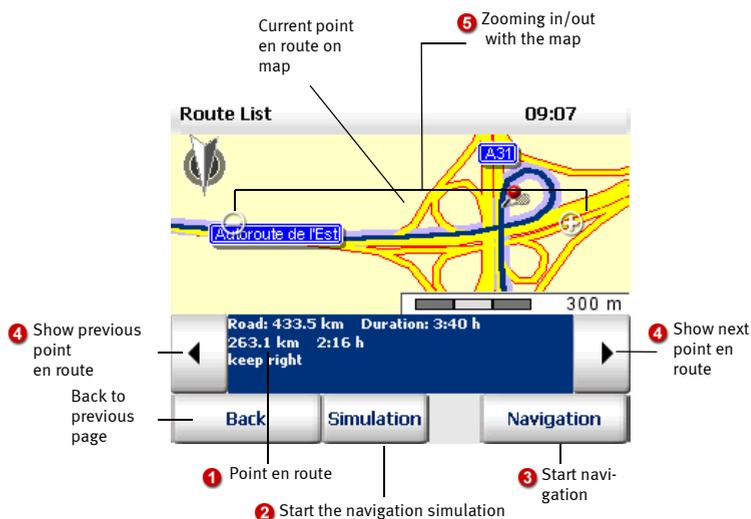
2. Next, select your desired destination.

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 30).

### 3 Start navigation

Once you have specified the route for your journey, you can start navigation from within the route description screen. The PND will automatically replace the specified starting point with your current GPS position (see "The Navigation Screen" on page 49).

#### 4 Show the 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 en route is shown. At the same time, the map section focuses on this point en route.

#### 5 Zoom in/out with the map

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 is displayed.*



Note: 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 49).

### 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 53).*

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. The PND will automatically replace the specified starting point with your current GPS position (see "The Navigation Screen" on page 49).

---

## 5 Selecting a Destination

Whether you are in Navigation or Route Planning, you must firstly select one or more destinations.



- **Address**

Here you have following options:

- 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 (Point of Interest) as the destination (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**

The PND 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.

**Note: 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 firstly 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**

When choosing your navigation destination, you also have the option of activating the position-tracking mode. In this mode, your current GPS position is constantly shown on the map.

**Note: Selecting several destinations**

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 45).

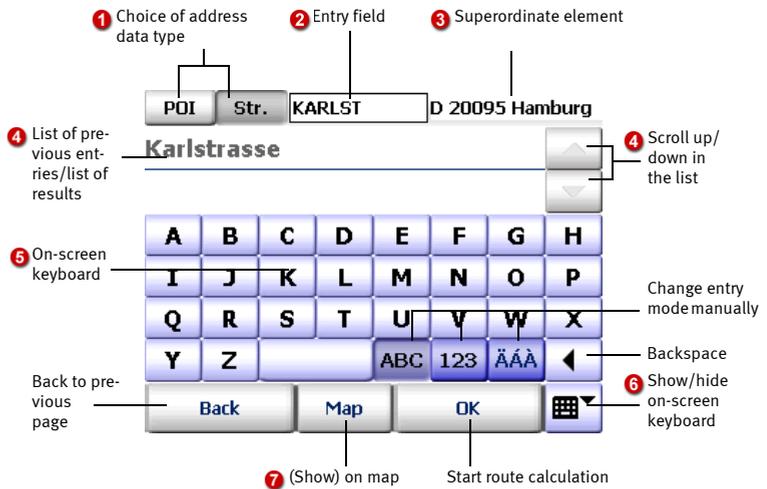
## 5.1 Using an Address as the Destination



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 the navigation or route planning mode 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 scroll up and down the list.
- If you tap a list entry, the entry will be 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 to make it easier for you to enter (i.e. type in) information. The PND 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 respectively.

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 47).

**Selecting an Address as a Destination - Step by Step**

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

- Selecting the town
- Selecting the street
- Selecting 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 33).*

**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 **PC** button. In this case, the on-screen keyboard will automatically switch to the 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 **Str.** 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 21).

## 5.2 Selecting a POI as the Destination

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

The following steps must be performed here:

- Selecting the town
- Selecting the POI category
- Selecting the 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 33).*

### 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 **PC** button. In this case, the on-screen keyboard will automatically switch to the 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.

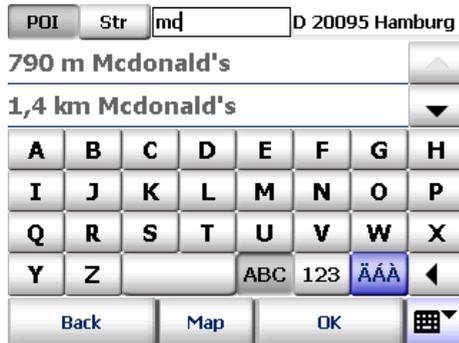


6. Select a category using one of the following methods:
  - Scroll to the desired POI category in the list and tap it once.
  - Using the on-screen keyboard, type in the name of the desired POI category (e.g. car parks, hotels etc.). Usually it is sufficient to enter the first three letters. While you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

## Selecting the desired POI

*You have now chosen a POI category and you will automatically move to the next page where you can select a specific POI. The selected town is 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. Select a category using one of the following methods:
  - Scroll to the desired POI in the list and tap it once.
  - Using the on-screen keyboard, type in the name of the desired POI (e.g. McDonald's etc.). Usually it is sufficient to enter the first three letters. While you are typing, a list of matching results (POIs) 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 POIs is then shown again. You can now make another selection.*

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 21).

### Example of 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

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 you needing to enter them again.

---

Note: If you have not yet saved any destinations, then the list will be empty. You can **only** add to or edit the list of favourite destinations by going to the **Settings** screen (see "Adding/Editing Favourite Destinations" on page 65).

You can also save your current GPS position whilst navigation is running (also possible in position-tracking mode), (see "Add to Favourites" on page 54).

---



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**.

## 5.4 Selecting Previous Destinations

PND 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 firstly 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 47).*

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 21).

## 5.6 Selecting your Home Address as the Destination

With this option, the address that you specified as your home address in the settings will be used as the destination (see "Setting your Home Address as the Destination" on page 61).



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

## 5.7 Position Tracking

In the 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 49).

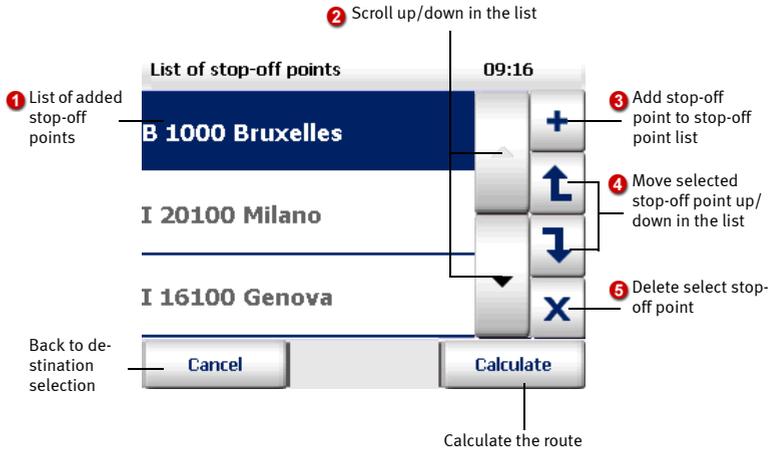
As a route is not calculated in position-tracking mode, there are no driving instructions or route-specific display functions/buttons.

## 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 **List of stop-off point** 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 on 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, firstly 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

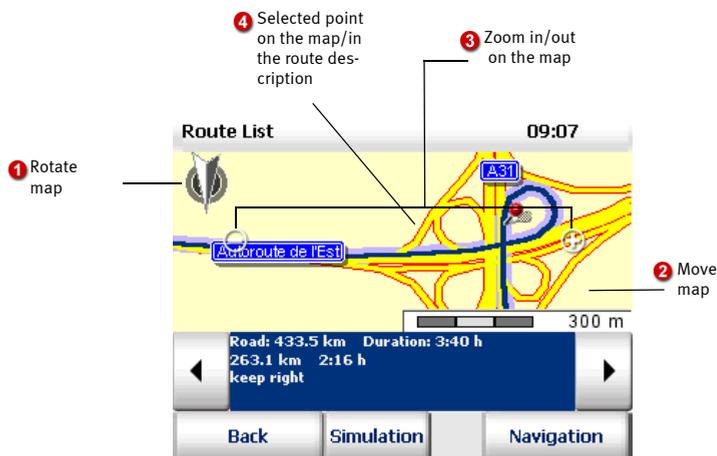
To delete a stop-off point from the list, tap (and therefore select) the stop-off point in question and then tap the "X" button.

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

The PND 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 Rotating 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 and move your finger 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 Moving the map

Tap on the map and then move your finger without lifting it from the screen. The map now moves in the direction of your finger. The scale remains the same.

When you lift your finger from the screen, the map is completely redrawn.

### **3** Zooming on the map

Using the (–) and (+) buttons, you can zoom in to and out of the map:

- 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.

The closer you zoom in to the map, the more details will be displayed (countries - towns - residential streets).

### **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 43) or the point en route currently selected in the route description (see "Overview of the Route Description" on page 29).

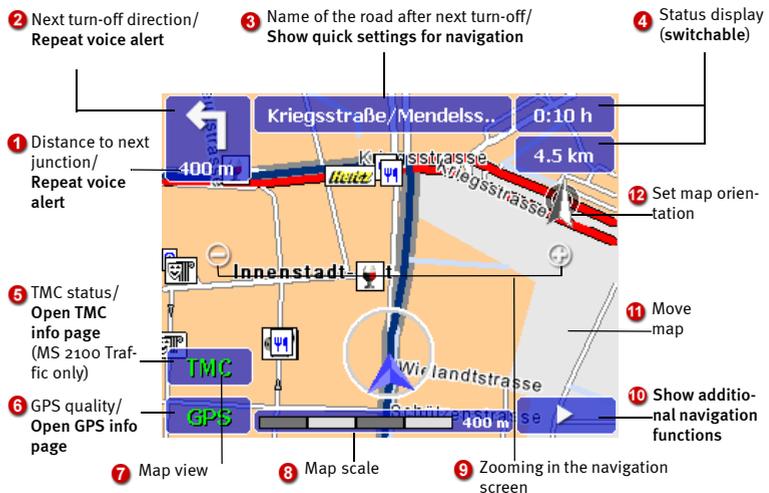
# 7 The Navigation Screen

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

Some of the elements on the navigation screen are interactive, i.e. you can access further functions by tapping the element.

## 7.1 Quick Overview of Navigation Screen

The navigation screen is divided into the following areas:



### 1 Distance to next junction

This shows you how far away the next junction is.

#### Repeat voice alert

Tap this button to repeat the previous voice alert.

### 2 Next turn-off direction

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

#### Repeat voice alert

Tap this button to repeat the previous voice alert.

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

Here you will see the name of the road that must be turned onto next.

**Show quick settings for navigation**

Tap this button to show the quick settings for navigation (see "Quick Settings for Navigation" on page 54).

**4****Status display**

If you tap on one of the status displays, the selected display will change. You can choose between different types of display:

- time of arrival
- remaining driving time to destination
- current speed
- height (altitude)
- distance to destination

**5****TMC status (MS 2100 Traffic only)**

During navigation, the PND regularly accesses the latest TMC traffic information in the background.

- **"TMC" button not available:** No TMC radio station found, TMC receiver not found or TMC receiver switched off (see "Configuring the TMC Settings (MS 2100 Traffic only)" on page 71).

If a TMC connection has been established, the TMC status will be indicated by the text colour:

- **Green:** TMC reception is OK and there are no traffic jams at the moment.
- **Yellow:** TMC reception is OK. There are some traffic jams at the moment but not on the calculated route.
- **Red:** TMC reception is OK. Traffic jam(s) on the route (the "Take into account" button is only available in this situation).

## Opening the TMC info page (MS 2100 Traffic only)

If you tap the **TMC** button, the TMC info page opens. 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: 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 the PND integrate the TMC traffic report into navigation and if necessary calculate a route around the traffic jam. Click **Back** if you want the PND 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 on the PND (see "Configuring the TMC Settings (MS 2100 Traffic only)" on page 71).

6

### GPS quality

The quality of the GPS signal is indicated using different text 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 height 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, number of GPS satellites currently being received, present position in latitude and longitude, current altitude, current speed.

7

### 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 "3D / 2D" on page 56).

8

### Map scale

The scale for the current map section is shown here.

## **9** Zooming in the navigation screen

You can manually adjust the zoom level of the map:

- 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.

Note: If you have activated the automatic zoom function, the map scale will automatically change according to the current speed of the vehicle. This means that if you drive slowly, the program will zoom into the map and if you drive faster, the program will zoom out of the map. When you zoom in or out, you move between fixed magnification levels. The map scale currently set is used as a basis.

If you have deactivated the automatic zoom function, only the map scale currently selected will be used during navigation (see "Switching the Automatic Zoom On/Off" on page 57).

Note: If you wish to reset the initial zoom level for the map, use the function "Default zoom" (see "Default Zoom" on page 55).

## **10** Show additional navigation functions

Tap this button in order to show extra navigation functions, e.g. recalculate route, add current GPS position to favourite destinations, exit navigation etc. (see "Additional Navigation Functions" on page 53).

## **11** Move the map

Tap on the map and then move your finger without lifting it from the screen. The map now moves in the direction of your finger. The scale remains the same. After five seconds the map section will be automatically centred on the current position.

## **12** Set map orientation

During navigation, the map faces the direction of travel.

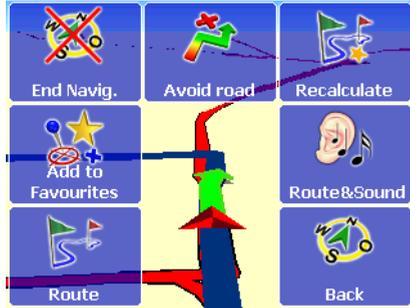
If you tap the compass, the map will be set with north facing upwards. Tap the compass again and the map will face the direction of travel again.

## 7.2 Additional Navigation Functions

You can access additional functions for navigation.

1. Tap the arrow symbol in the bottom right of the navigation screen (see "Show additional navigation functions" on page 52).

*A choice of additional navigation functions appears. These buttons are transparent so that the map underneath is visible.*



### End Navigation



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

### Avoid Road (in Advance)



Using the **Avoid road** 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" on page 73).

The PND 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.

### Recalculating (the Route)



If you tap the **Recalculate** 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 PND.

## 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 & Sound



Tap the **Route&Sound** symbol to switch to the integrated MP3 player (see "Playing Music (MP3 Player)" on page 76).

## Route



If you tap the **Route** symbol, the route description for the calculated route is displayed (see "Route Planning with the PND" on page 27).

## Back



Tapping the **Back** symbol will hide the additional navigation functions and return you to the navigation screen.

Tip: Alternatively you can tap on the central area of the map to show the navigation screen.

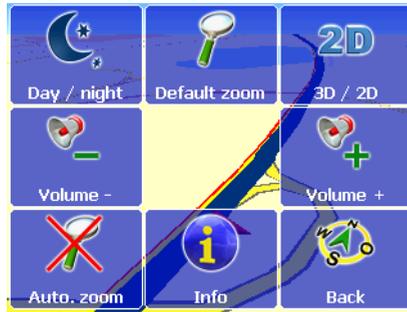
If you do not make any selection, you will automatically be returned to the navigation screen after five seconds.

## 7.3 Quick Settings for Navigation

In the navigation screen, you can show the quick settings. These options allow you to select the map display and the volume of the voice alerts.

1. Tap the element **Name of the road after next turn-off** in the navigation screen to open the quick settings (see "Show quick settings for navigation" on page 50).

*These buttons are transparent so that the map underneath is visible.*



## Day/ Night



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



The symbol displayed will change accordingly.

If you are driving at night or through a tunnel, select night mode. The brightness of the 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 Display Brightness" on page 69).

## Default Zoom



Tap on the **Default zoom** symbol to reset the map to its default magnification level.

## 3D / 2D

### 3D

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

The symbol displayed will change accordingly.

### 2D

## 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.

### Volume -



Tap the **Volume -** symbol to reduce the volume level.

### Volume +



Tap the **Volume +** symbol to increase the volume level.

### Switching the Automatic Zoom On/Off



With the automatic zoom function, the map scale will automatically change according to the current speed of the vehicle. This means that if you drive slowly, the program will zoom into the map and if you drive faster, the program will zoom out of the map.



Tap the **Auto. zoom** button to turn the automatic zoom function on or off. The symbol displayed will change accordingly.

## 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.

## Back



Tapping the **Back** symbol will hide the additional navigation functions and return you to the navigation screen.

Tip: Alternatively you can tap on the central area of the map to show the navigation screen.

If you do not make any selection, you will automatically be returned to the navigation screen after five seconds.

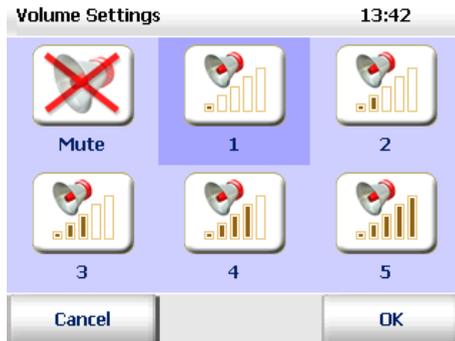
## 8 Configuring the Settings

From the main menu of the PND, you can access the program settings, which offer a selection of options allowing you to customise the **Navigation** and **Route Planner** 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.

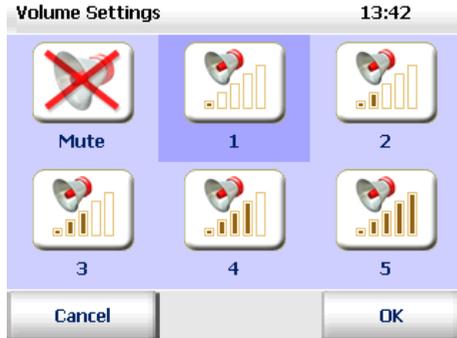
Note: There are additional navigation settings available for GPS and TMC (see "Testing the Data Connection" on page 72) and (see "Configuring the TMC Settings (MS 2100 Traffic only)" on page 71).

## 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 volume level 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 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 32).

*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 44).

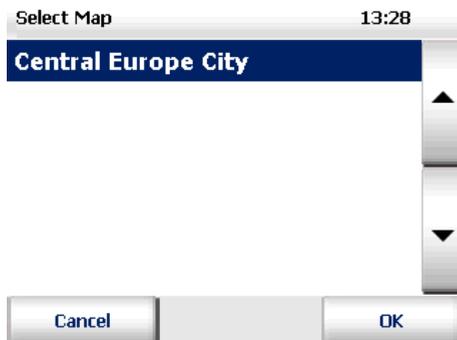
## 8.3 Selecting a Map

Using the option **Select 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 in map.*



Using the arrow buttons, you 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)

Using the option **Special destinations**, you can specify which POI categories should be displayed in the program.



1. Tap the **Special dest.** 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.

You can specify which POI categories are shown or hidden in the program by ticking or unticking each check box.

2. Tap on a selected POI category in order to deselect it.  
*The deselected POI category will no longer be shown in the program.*
3. Tap on the deselected POI category to make it visible (again).  
*The selected POI category will be marked with a tick..*
4. Confirm your changes with **OK**.

The selected POI categories will then be visible in the program.

## 8.5 Setting a Profile for Route Planning

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



1. Tap the **Driver/vehicle** button to display all available vehicle profiles plus the "Last Meters" profile.



2. To select a profile, tap the desired vehicle or the Last Meters symbol.  
*The selected vehicle/Last Meters will be highlighted in grey.*

3. Confirm your changes with **OK**.

The selected vehicle/Last Meters 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 **Motorways** option, you can decide whether or not the program should use motorways during route planning.

- Tap the Motorways button to activate or deactivate the function.



Motorways will be used for route planning.



Motorways within a radius of approx. 100 km will be avoided.

## Using/Avoiding Ferries

Using the **Ferries** option, you can decide whether or not the program should use ferry connections when planning a route.

- Tap the **Ferries** button to activate or deactivate the function.



Ferry connections will be used for route planning.



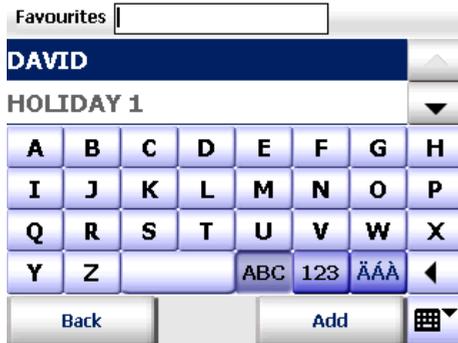
Ferry connections will be not used for route planning.

## 8.6 Adding/Editing Favourite Destinations

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



1. Tap the symbol **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. Alternatively select one of the previously entered destinations or your home address (see "Selecting a Destination" on page 32).
3. Enter a name for the favourite in the **Name** box and confirm by pressing **OK**.

Name:

**B Brussel**  
**Paardgang/Impasse du Cheval**

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	◀

Cancel OK

*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 42).

## Editing Favourite Destinations

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

Favourite Destinations 07:28

<b>HOLIDAY 1</b> NL Amsterdam	▲	
B Brussel Paardgang/Impasse du Cheval	▼	

Cancel

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

Here you can rename or delete the destinations that you have saved on the PND.

## Renaming favourite destinations



1. Tap this button with your finger.
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 68).
3. Add the destination again as a new destination (see "Adding Favourite Destinations" on page 66).

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 screen display 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:*

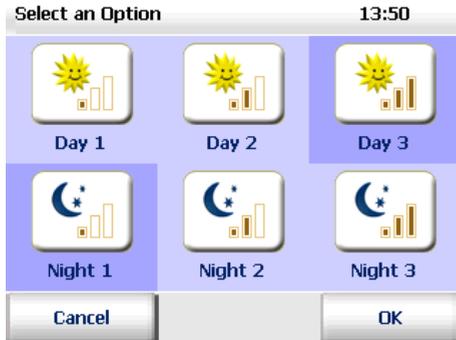
- Change display brightness
- Change the unit of measurement
- Select the voice and language
- Select the time format
- View the copyright information

## Changing Display Brightness

Using the **Brightness** option, you can adjust the brightness on your PND 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 display for daytime driving, choose one the **Day** options (1 to 3).

**Tip:** The brightest setting is **Day 3**.

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

**Tip:** The darkest setting is **Night 1**.

## Changing the Unit of Measurement

Using the **km/mi** option, you can change the unit of measurement from kilometres to miles and vice versa.



1. Tap the **km/mi** button to switch between the units of measurement.  
The symbol displayed will change accordingly.

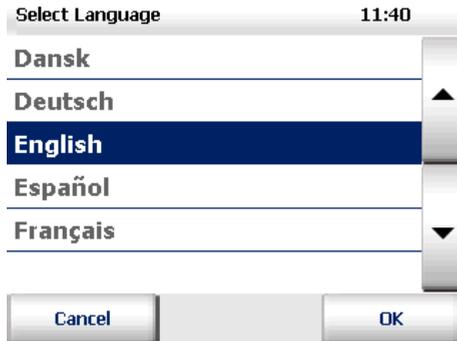


## Setting the Language and Voice

Using the **Language + voice** option, you can change the language of the program and the type of voice used for navigation.



Tap the **Language + voice** 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 your changes with **OK**.  
*A new page opens. Here you can choose the type of voice (male or female) for the voice alerts.*
4. Highlight the desired voice by tapping it.
5. Confirm your changes with **OK**.

The voice instructions you hear during navigation will now be spoken in your chosen language and by your chosen narrator.

## Setting the Time Format



Tap the **Time: 12hr/24hr** button to switch the time format between the 12 hour or 24 hour system.

The symbol displayed will change accordingly.



## Viewing 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.

System Information		13:46
Version:	3.3 / 3	
Build:	Aug 22 2005, 17:53:12 (1201)	
Map name:	Central Europe City	
Map data:	07/2005	
Battery:	<div style="width: 100%; height: 10px; background-color: black;"></div>	
<div style="border: 1px solid gray; padding: 5px; display: inline-block;">Back</div>		

## 8.9 Configuring the TMC Settings (MS 2100 Traffic only)

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



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 PND will calculate a new route around the tailback.

Note: The PND 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 the PND 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.

Note: If you deactivate the **TMC** traffic reports, the TMC button will **not** be shown in the navigation screen (see "TMC status (MS 2100 Traffic only)" on page 50).

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

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

## 8.10 Testing the Data Connection

Using the **Data link** option, you can test the quality of your GPS signal or TMC signal (MS 2100 Traffic only).



1. Tap the **Data link** symbol.

Here you have following options:



- 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 49).*

Click **Back** to return to the data connection settings.



- MS 2100 Traffic only: Tap the **TMC test** symbol to test the connection.

*The TMC info page opens. Here you can view detailed information on the TMC settings (see "Quick Overview of Navigation Screen" on page 49).*

Click **Back** to return to the data connection settings.

## 8.11 Avoiding Roads

Using the option **Avoid road**, you specify the length of the road section that you wish to close during navigation (see "Avoid Road (in Advance)" on page 53).

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 (see "Changing the Unit of Measurement" on page 69).



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



2. Tap one of the options (**1 to 20**).

*The selected road section will be highlighted in grey.*

3. Confirm your changes with **OK**.

If you then tap the **Avoid road** button during navigation, the length of road you have defined will be closed in advance for navigation (see "Avoid Road (in Advance)" on page 53).

# **Section 3**

## **Multimedia**

# 1 Playing Music (MP3 Player)

The navigation system offers you the possibility of playing MP3 files. In order to be able to use this function, the MP3 files in question must be saved on an SD card (not provided with this package).

Note: If you have a SD card reader/writer, you can copy your MP3 files directly from your PC to the SD card!

1. Insert the SD card in the slot on the left side of the device.



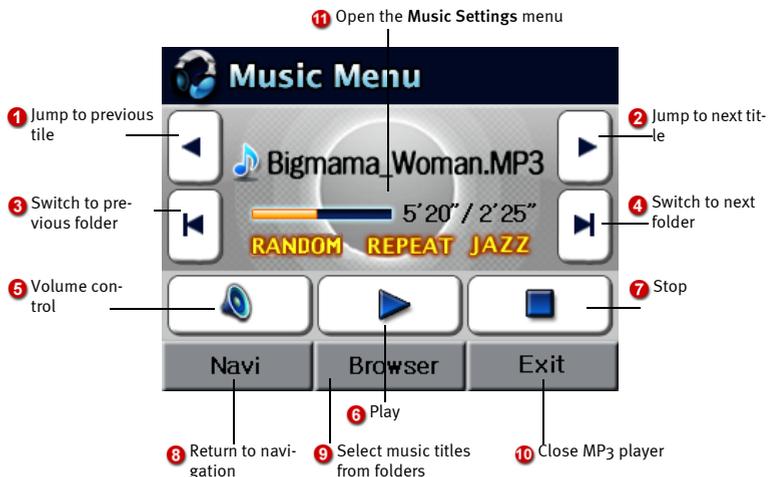
2. Tap the **Multimedia** symbol in the bottom right of the main selection screen.

*The multimedia selection menu appears.*



3. Tap the **MP3 Player** symbol.

*The MP3 player's Music Menu appears.*



On the screen you will see the title of the song, the total playing time and the elapsed playing time as well any selected play functions (random, repeat) and the selected equalizer mode, e.g. Jazz.

- 8 By tapping the **Navi** button, you will return to the general navigation screen or to the navigation currently running (Route&Sound).

- 9 Tap the **Browser** button to open a file browser where you can choose your music titles (see below).
- 10 Tap **Exit** to close the MP3 player and return to the previous menu.

## 1.1 Setting the Play Functions

You can set the equalizer mode as well as the play functions (random, repeat).

1. Open the **Music Settings** menu.



The **Music Settings** menu offers you the following options:

- Tap the **Equalizer** button to select the desired equalizer settings, e.g. **Jazz**, **Classic**, **Rock**.
- Tap the **Random** and **Repeat** buttons to activate or deactivate the corresponding functions.
- To return to the **Music Menu**, tap the **Back** button.

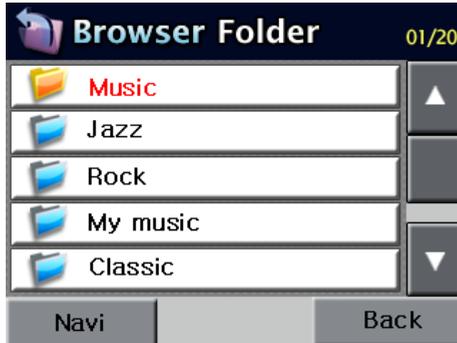
## 1.2 Browser – Selecting Music Titles from Folders

The MP3 player offers you an easy-to-use browser to help you choose music titles using folders.

Therefore if you save your titles in separate folders, you can use the browser to choose the desired songs.

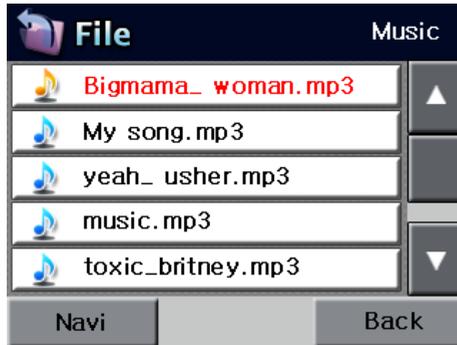
1. Tap the **Browser** button on the screen.

*The folder selection screen appears.*



- Tap the up arrow to scroll up the list of folders.
  - Tap the down arrow to scroll down the list of folders.
  - Tap the **Back** button to return to the previous menu.
2. Tap the desired folder in the browser screen.

*The title selection screen appears.*



- Tap the up arrow to scroll up the list of titles.
  - Tap the down arrow to scroll down the list of titles.
  - Tap the **Back** button to return to the previous menu.
3. Next , tap the name of the desired title.
- The **Music Menu** appears and the chosen title starts to play.

## 2 Viewing Pictures (JPEG Viewer)

The navigation system offers you the possibility of viewing JPEG images. In order to be able to use this function, the JPEG files in question must be saved on an SD card (not provided with this package).

Note: If you have a SD card reader/writer, you can copy your JPG pictures directly from your PC to the SD card!

1. Insert the SD card in the slot on the left side of the device.



2. Tap the **Multimedia** symbol in the main selection screen.  
*The multimedia selection menu appears.*



3. Tap the **JPEG viewer** symbol.  
*The JPEG viewer appears.*



- 6 If you tap on the picture, the image is displayed in full screen mode.
- 7 Tap the **Browser** button to open a file browser where you can choose your pictures.
- 8 Tap **Exit** to close the JPEG viewer and return to the previous menu.

## 2.1 Browser – Selecting Pictures from Folders

The JPEG viewer offers you an easy-to-use browser to help you choose pictures using folders. Therefore if you save your pictures in separate folders, you can use the browser to choose the desired images.

1. Tap the **Browser** button on the screen.

*The folder selection screen appears.*



- Tap the up arrow to scroll up the list of folders.
  - Tap the down arrow to scroll down the list of folders.
  - Tap the **Back** button to return to the previous menu.
2. Tap the desired folder in the browser screen.

*The picture selection screen appears.*



- Tap the up arrow to scroll up the list of pictures.
  - Tap the down arrow to scroll down the list of pictures.
  - Tap the **Back** button to return to the previous menu.
3. Tap the name of the desired picture in the browser screen.  
The picture is displayed.

# **Section 4**

## **The PC Map Tool**

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# 1 Working with the PC Map Tool

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In this chapter, you will find more information on the functions of the Map PC Tool that you can use with your personal computer. In order to synchronise with your PND, Microsoft® ActiveSync™ must be installed.

## 1.1 Installing the PC Map Tool

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

1. Insert the PC Map Tool 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 on 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 the PC Map Tool will be copied to your hard drive.

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

## 1.2 Program Window of PC Map Tool

1. Open PC Map Tool either by using the **PC Map Tool** icon or by using the Windows **Start** menu: **Start > Programs > PC Map Tool > PC Map Tool**.  
*The PC Map Tool program window appears.*



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

Note: The new entry Browse... will be available once PC Map Tool has been restarted.

- The ? menu opens the **Help** options. **Hotline** shows you the hotline service details for PC Map Tool. **About...** displays the copyright and licence conditions.

## Main Selection Screen

### Load Map and Addresses onto PND

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

Select the data sets that you want to be available as destinations on your PND.

Once you have chosen the location to save the map data, they will be immediately transferred to your PND.

### Create New Map

Choose this option if you want to create your own map from all the available data. The new map will include only those areas that you actually need.

It will contain 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.

### Exit Program

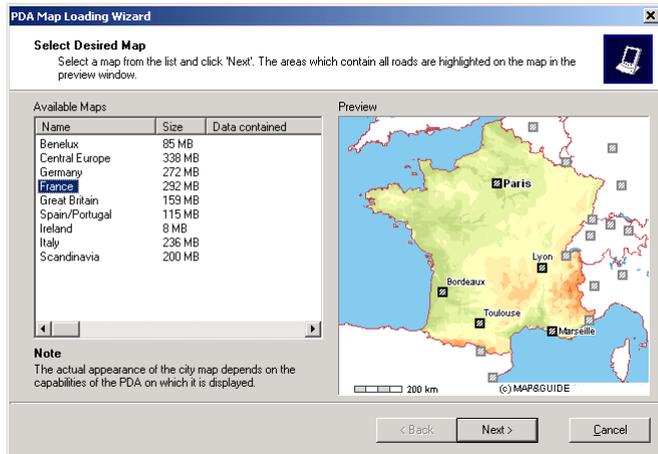
Select this option if you want to completely close the PC Map Tool.

## 1.3 Loading Maps and Addresses onto the PND

PC Map Tool offers the possibility of transferring maps and additional data sets to your PND.

1. Click **Load Map and Addresses onto PND**.

*The PND Map Loading Wizard opens.*

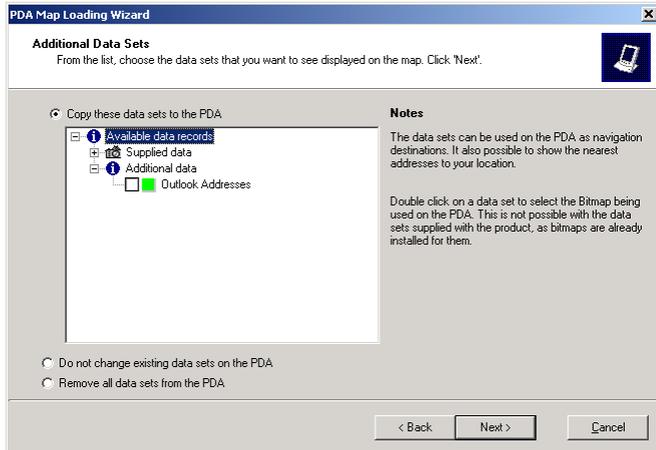


2. You now have various options to choose from:

- **Only load address onto PND:** If you only want to transfer addresses without a map to the PND, then skip the map selection stage by clicking **Next**. Confirm with **Yes**.
- **Load map onto PND:** If you want to transfer a standard map or one of your own map sections to your PND, select them in the list of available maps and click **Next**.

*In both cases you will move on to the next page of the wizard, where you can manage the additional data sets.*

## Managing Additional Data Sets



3. On the **Additional Data Sets** page, you have the following possibilities:
  - You can select the data records you wish to copy to the PND .
  - You can also leave the existing data sets on the PND unchanged.
  - You can also leave all the existing data sets on the PND unchanged.

### Leaving existing data sets on the PND unchanged

1. To do this, select **Do not change existing data sets on the PND**.  
*This means any selection made in the list is disregarded.*

### Removing all data sets from the PND

1. To do this, select **Remove all data sets from the PDA**.  
*Any selection made in the list is also disregarded here.*
4. Click **Next**.

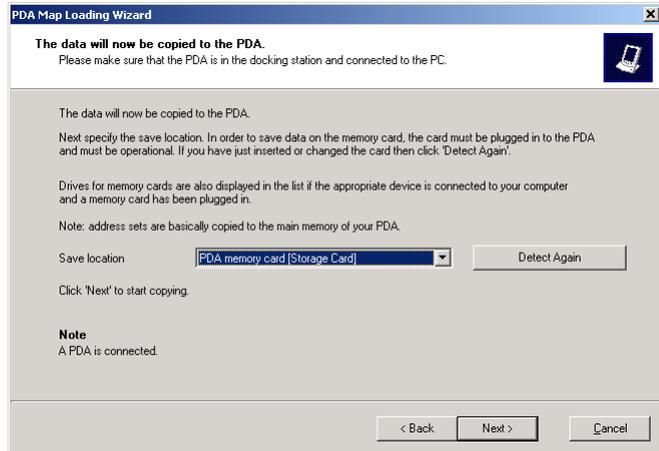
## Transferring Data

5. Once you have selected the data sets you wish to copy to your PND, they are then converted into a format that PC Map Tool can use.

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

6. Connect your PND to your PC.

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



#### 7. 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 PND into the docking station,

1. then click **Detect Again**.

*PC Map Tool 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 the transfer process, it is important that you do not disconnect the PND from the PC 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 Creating New Maps

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.

PC Map Tool applies this principle perfectly on the PND. By creating your own map, you save valuable memory on your PND. 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**.
3. From the list on the left side of the window, choose the map that the new map should be cut from.  
*The corresponding map preview will be shown on the right side.*
4. Click **Next**.

On the right-hand side of the window, you will see the installed map. The following tabs are on the left side of the window:

- Towns
- Regions
- Personalised Sections



## Towns tab

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.

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.

## Regions tab

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.

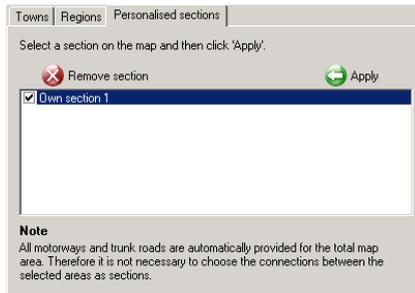
## Personalised Sections tab

If you have not yet created your own map section, the **Personalised Sections** tab will be empty.

## Choosing a Map Section

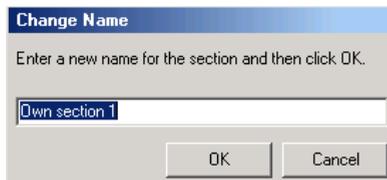
5. Select a section on the map using the mouse and (see "Buttons above the Map" on page 93) then click **Apply**.

*An entry with the name **Personalised Section** followed by a consecutive number is added to the list.*



6. 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 (see "Loading Maps and Addresses onto the PND" on page 87).*

7. 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

8. In the next window enter the name of the map. This is the name that PC Map Tool will use on the PND.

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

9. Click **Next**.  
*In the next window you can check again whether all entries are correct.*
10. If you want to make changes, just click **Back** to return to the page where you either selected towns or entered the map name.
11. Click **Next**.

PC Map Tool 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 icons, you can change the map view quickly and easily:



**Zoom out:** Zooms out of the map.



**Zoom in:** Zooms in to the map.



**Display total view:** Zooms out of the map until the entire map is visible.



**Display previous map section:** Shows the previous map section.



**Switch between Pan and Zoom mode:** Click this icon to switch between the two modes.



- **Icon is shown as "not pressed in" (zoom modus active):** In zoom mode, you can enlarge a map section by selecting the desired area with the mouse:
  1. Click a corner of the required section in the map window.
  2. Hold the mouse button down and drag a rectangle to the size of the area that you want to magnify.
  3. Release the mouse button.
 

*The section that you have marked is magnified and enlarged to the size of the map window.*
- **Icon is shown as "pressed in" (pan mode active):** In the pan mode, you can move a map section in any direction you wish.
  1. Position the mouse pointer in the map window. Then click hold the left mouse button.
  2. Move the mouse in the desired direction.
  3. Release the mouse button.
 

*The map section is moved in the same direction.*

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.

## Creating Personalised Map Sections

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 (see "Loading Maps and Addresses onto the PND" on page 87).

## 1.5 Opening the Route Planner

PC Map Tool 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 starting point 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. PC Map Tool 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**.

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

### 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 en route**
- Red: **Destination**

### Selecting a vehicle profile

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

- 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 icons 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**



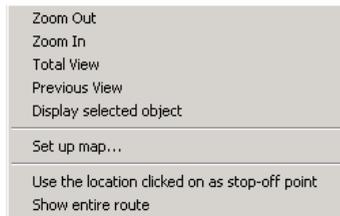
**Display previous map section**

**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.

## Map 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** or **show the selected object on the map**.
- The **Set up Map** command allows you to specify which elements are visible on the map. Tick the boxes of the elements that you wish to show on the map and untick those that you wish to hide.



- If you want to **use the location clicked on as the destination**, then select the corresponding command in the menu. PC Map Tool then inserts this spot as a stop-off point and derives its description from the nearest location 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	07:05	685.7	14:41	21:47

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.

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

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

- PC Map Tool 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.

## Loading a Stop-Off Point List

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			

# **Section 5**

## **Further Information ...**

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# 1 Tips & Tricks

---

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

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

If this is the case, the PND 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 on your PND is not too low.

- **I want to tour around countryside and scenic areas. Can the PND 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?**

With the PND, 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**. The PND 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. The PND 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 (Last Meters) 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.

---

# Glossary

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## ActiveSync

A program that manages synchronisation between the PND 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.

## 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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