NAVIGON

User's manual

NAVIGON 83xx

English (United Kingdom)

May 2009

The crossed-out wheeled bin means that within the European Union the product must be taken to separate collection at the product end-of-life. This applies to your device but also to any enhancements marked with this symbol. Do not dispose of these products as unsorted municipal waste.

Imprint

Table of contents

1   Introduction

1.1   About this manual

1.1.1   Conventions

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

Bold and italics:	Names of products.
SMALL CAPITALS:	Names of windows and dialogue boxes.
Bold:	Highlighting of important parts in the text.
<u>Underlined</u>:	Descriptions of buttons, input boxes and other elements on the user interface.
<u>*Underlined and italics*</u>:	Names of control elements on the navigation device.

1.1.2   Symbols

The following symbols refer to specific passages of text:

 Instructions and tips for operating the software

 More detailed information and explanations

 Warnings

1.2   Legal notice

1.2.1   Liability

The software and manual are subject to change without notice. NAVIGON AG is not liable for the accuracy of the information contained in this manual or for damages resulting from the use of this manual.

Suggestions for improvements and information regarding errors are always welcome so that we can supply you with even better products in the future.

1.2.2   Trademarks

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► Microsoft, Outlook, Excel, and Windows are registered trade marks of the Microsoft Corporation.

► NAVIGON is a registered trade mark of NAVIGON AG.

1.3 Questions about the product

You have a question concerning your product? Then visit our webseite www.navigon.com and click on "Support". There you will find an area with frequently asked questions (FAQ Center) along with details of how to contact us by phone or e-mail.

2 Before you begin

2.1 Scope of Delivery

Please check that the contents are complete. If anything is missing, get in touch immediately with the dealer who sold you the product.

The purchased product includes the following:

► *NAVIGON 83xx* navigation device

► Car cradle

► Car charger cable (10-30V adapter for the vehicle's cigarette lighter) with integrated TMC antenna

► Power pack (100-240V) with plug adapters

► USB cable

► SD card with software and navigation maps (the SD card is already inserted in the navigation device)

► Leaflet with illustrated installation instructions

► CD with manuals (PDF) and additional programs (*NAVIGON Fresh* for updating the software and *NAVIGON Sync* for exporting addresses from Microsoft Outlook)

► Cloth pouch

2.2 Description of the NAVIGON 83xx
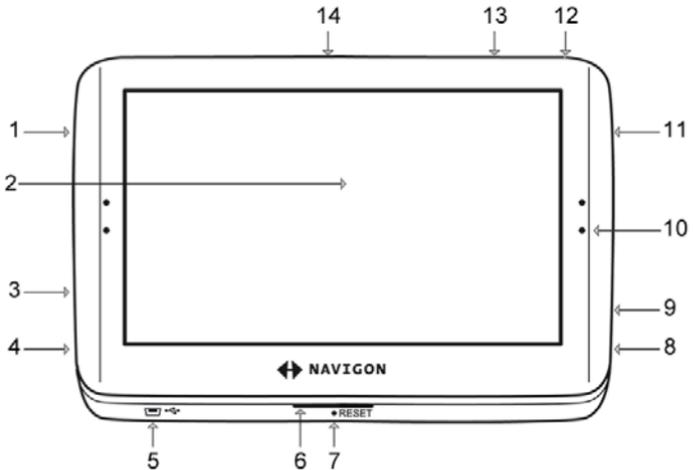
1	←	*Back*
2		Touch-screen
3	🔇	*Volume on/off*
4	Ⓨ	Connection for external GPS antenna
5	⊷←	Mini-USB socket for USB cable / Mains adapter / Car charger cable
6		LED
7	RESET	Reset
8	🎧	Headset socket
9	-	*Quieter*
10		Microphone
11	+	*Louder*
12		Stylus
13	💾	Slot for SD/SDHC memory card
14	⏻	*On/Off*

2.3 Important safety information

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

2.3.1 Navigation safety information

Use the navigation system at your own risk.

Caution! To prevent accidents, do not operate the navigation system while driving.

Caution! Do not look at the display unless it is absolutely safe to do so!

Caution! Traffic regulations have priority over any instructions from the navigation system.

Caution! Follow the instructions of the navigation system only when the circumstances and the road traffic regulations allow you to do so! The navigation system will still guide you to your destination even if you deviate from the calculated route.

Caution! Check that the cradle is secured and adjusted properly before each journey.

Note: If you have not understood the spoken instructions or are unsure about what to do next, you can refer briefly to the map or schematic view of your navigation system.

2.3.2 Safety information for the navigation device

Caution! Protect the device from moisture. The device is neither waterproof nor protected against splash water.

Caution! Do not open the case of the navigation device under any circumstances.

Caution! Do not expose the navigation device to extreme heat or cold. This may damage the device or impair its function. (See "Technical data", page 80)

Caution! Use only the charger provided or one that has been approved by the manufacturer.

Connect the charger to a suitable power supply. The voltage requirements can be found on the device case and/or the packaging.

Caution! Do not expose your navigation device to severe temperature fluctuations. They can result in condensation.

Note: Do not kink the cable. Make sure that the cable cannot be damaged by sharp-edged objects.

Note: Clean the navigation device only with a damp cloth.

Note: Do not unplug by pulling on the cable. Doing so could damage the cable!

Note: If you want to transport the navigation device, use the cloth pouch provided in order to protect the touch-screen from scratches.

Note: Create a backup of the data contained on the memory card provided. This is very easy to do with the *NAVIGON Fresh* software which is included on the CD provided or can be downloaded free of charge from our webseite www.navigon.com.

Note: The memory card must remain inserted in the device during operation of the navigation system.

Note: Use only SD or MMC memory cards! Make sure that the memory card contacts are clean and undamaged.

2.3.3 Safety guidelines when installing the device in your car

Caution! Fasten the cradle so that the navigation device is easy to see and operate by the driver. Make sure that the driver's view of the traffic is not impeded.

Caution! Do not attach the cradle within the working zone of any airbags.

Caution! Do not fasten the cradle too close to the steering wheel or other controls. The driver must not be obstructed in operating any car functions.

Caution! When installing the cradle, make sure that it will not pose a risk in the event of an accident.

Caution! Do not run cables directly next to safety-relevant devices and power supplies.

Caution! Check the cradle regularly to make sure that it is securely seated. The suction cup may become loose after a while.

Caution! After installation, check all safety-relevant equipment in the car.

Caution! Connect the car charger cable only to 10-30V cigarette lighters.

Caution! Disconnect the car charger cable from the cigarette lighter whenever you park the car. The integrated mains adapter always consumes a small amount of energy and could drain the car battery.

2.4   Preparing the NAVIGON 83xx for use

2.4.1   Assembling the mains adapter

Caution! Be sure to refer to all the safety information in chapter "Important safety information" on page 9.

The mains adapter has an operating voltage of 100~240V. Several different plug adapters are provided. Charging the navigation device when abroad is therefore no problem.

► Push the correct plug adapter for the country in question into the slot on the mains adapter until it locks in place.

2.4.2   Charging the rechargeable battery

It is possible that the rechargeable battery is not fully charged when you unpack the navigation device. We recommend that you fully charge the battery before using the device for the first time.

► Connect the mains adapter to the navigation device and to a mains socket.

Note: Without delay, plug the USB connector into the navigation device as far it will go! (See "Troubleshooting" on page 82)

During charging, the LED on the bottom of the *NAVIGON 83xx* shines with an orange light.

The LED goes out again when the *NAVIGON 83xx* is fully charged.

Note: When the bluetooth function of the *NAVIGON 83xx* is active, the LED shines with a blue light. This is also the case during charging.

For detailed information refer to chapter "Handsfree Module" on page 65.

Note: It takes approx. 4-5 hours to charge the device when the battery is flat.

2.4.3   Memory card

A memory card with the software and card data is already inserted in the navigation device.

You can copy these data to another memory card or save them on your PC. To do so, use the *NAVIGON Fresh* software which is included on the CD provided or can be downloaded free of charge from www.navigon.com.

The following memory media can be used in the *NAVIGON 83xx*:

► SD cards with maximum 4 GB

► SDHC cards with maximum 4 GB

Removing the memory card

1. Switch off the navigation device. To do so, press the (*On/Off*) key.
2. Press the memory card gently into the device until the lock disengages.
3. Let go of the memory card. It will now project slightly out of the device.
4. Pull the memory card out of the slot.

Inserting a memory card
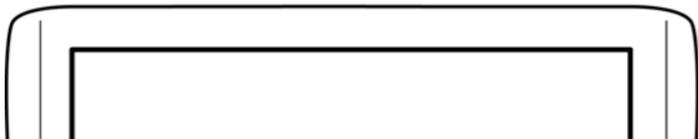
1. Insert the memory card into the device (see illustration).
2. Press the card into the device until it locks in place.

Note: The navigation device will work only if the memory card contains the navigation software and map data.

2.4.4   Preparing the navigation system for use

Caution! Be sure to refer to all the safety information in chapter "Important safety information" on page 9.

Securing the cradle
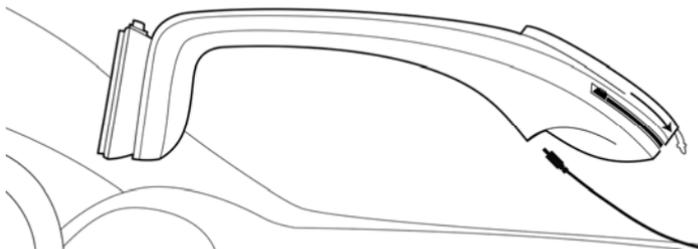
1. Clean the suction cup and that part of the windscreen to which you want to secure the cradle. Both must be dry and free of dirt and grease.

Note: Use a damp lint-free cloth to clean the suction cup. Never use solvent or cleaning solution.

2. Use the suction cup to fix the cradle to the windscreen.
3. Press the lever on the suction cup forwards.

Supplying power to the navigation device

Included in delivery of the *NAVIGON 83xx* is a car charger cable with which power can be supplied to the navigation device via the vehicle's cigarette lighter.

Connect the car charger cable to the vehicle's cigarette lighter and to the mini-USB socket on the cradle. The navigation device will be supplied with power as soon as it is inserted in the cradle.

Note: Power supply will only be possible via the cradle when the navigation device is inserted. The device's USB socket will then be out of function.

Caution! Connect the car charger cable only to 12V cigarette lighters.

TMC antenna

The *NAVIGON 83xx* has an integrated TMC receiver. A TMC antenna is integrated in the car charger cable. As soon as the navigation device is inserted in the cradle it can receive traffic message updates. Dynamic route changes are thus possible, e.g. in order to avoid a traffic jam.

Inserting the navigation device into the cradle

On the rear of the navigation device is a ring which fits in the ring of the cradle.
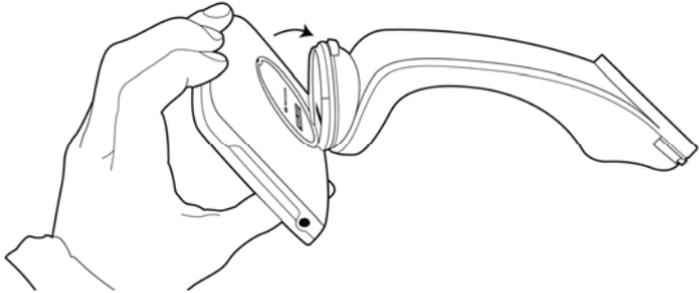
1. Align the head of cradle so that the button is on top.
2. Tilt the top end of the navigation device slightly towards yourself.
3. Position the recess in the ring of the navigation device so that it fits in the ring of the cradle. (See illustration)
4. Press the device against the cradle until you hear it lock in place.

Removing the navigation device from the cradle

1. Press the button on top of the cradle.
2. Tilt the navigation device slightly towards yourself.
3. Remove the device from the cradle.

2.5 Navigating with GPS

GPS is based on a total of at least 24 satellites which are circling the earth and constantly transmitting their position and time. The GPS receiver receives this data and calculates its own geographical position on the basis of the information transmitted by the various satellites.

Data from at least three satellites is required for positioning with an acceptable degree of accuracy. With data from 4 or more satellites it is possible in addition to determine the position's altitude above sea level. Positioning is accurate to within three metres.

Once the navigation device has determined your position, this position can be used as a starting point for calculating a route.

The map data on your navigation device includes the geographical coordinates of all digitally recorded points of interest, streets and

places. This enables the device to calculate a route between a starting point and a destination.

Calculation of the current position and its representation on the map takes place once every second. In other words, your current position is always shown on the map.

3   Switching on the NAVIGON 83xx

1. Press the ⏻ (*On/Off*) key.

    If password protection has been activated, the **ENTER PASSWORD** window opens.

2. Enter the password.

3. Tap on OK.

    The **START** window opens.

Note: When you switch on the *NAVIGON 83xx* for the first time, you will be asked to make the following settings:

►   your preferred language for using for the software

►   the unit of length for distances

►   the time format

From the **START** window you can access all applications of the *NAVIGON 83xx*:

►   Navigation, see page 24

►   Music, see page 73

►   Pictures, see page 75

►   Phone (Handsfree Module), see page 65

Note: If you have not used the *NAVIGON 83xx* for a long time, the battery may be flat.

In this case the device needs to be charged for approximately 10 minutes before it can be switched on.

Forgotten your password?

If you forget your password, follow the procedure described in "Forgotten your password?" on page 18.

Switching the navigation device to standby mode

►   Press briefly (max. 2 seconds) on the ⏻ (*On/Off*) key.

Automatic Standby

You can configure the *NAVIGON 83xx* so that the navigation device is automatically switched to standby mode.

► In the **NAVIGATION** window tap on Options > Settings > General > Automatic Standby.

► Select after how much time you want the navigation device to be switched to standby mode (Never, After 10 mins, After 20 mins, After 30 mins).

► Select Power Loss in order to switch the device to standby mode when the external power supply is interrupted.

4   Password Lock

You can protect your navigation system from unauthorised use by creating a password.

4.1   Activating password protection

1. In the **NAVIGATION** window, tap on Options > Settings > Options > Password Lock.

    The **NEW PASSWORD** window opens.

2. Enter a new password in the New password box.

3. Enter this password again in the Confirm new password box.

4. Tap on Activate.

Note: The password must have exactly 4 digits.

4.2   Changing a password

1. In the **NAVIGATION** window, tap on Options > Settings > Options > Password Lock.

    The **ENTER PASSWORD** window opens.

2. Enter the currently valid password in the Enter password box.

3. Tap on Change password.

    The **NEW PASSWORD** window opens.

4. Enter a new password in the New password box.

5. Enter this password again in the Confirm new password box.

6. Tap on Activate.

Note: The new password must have exactly 4 digits.

4.3   Cancelling password protection

1. In the **NAVIGATION** window, tap on Options > Settings > Options > Password Lock.

    The **ENTER PASSWORD** window opens.
2. Enter the currently valid password in the Enter password box.
3. Tap on Deactivate.

4.4   Forgotten your password?

If you enter the password wrongly three times, a window will open with instructions telling you what to do now.

► Follow the instructions on the screen.

5   Operating the NAVIGON 83xx

5.1   Volume

On the case of the *NAVIGON 83xx* you will find the following keys (refer to "Description of the NAVIGON 83xx" on page 9):

-       *Quieter*

+   *Louder*

🔇   *Volume on/off*

You can use these keys to adjust the volume of the currently audible application.

Note: These keys are deactivated when Voice Command is active (the symbol 📗 (**Voice command active**) is shown in the top left corner of the window).

During a call

You can use the keys to adjust the volume of the phone call.

If an audio file is being played back at this moment, it will be muted for the duration of the call.

If navigation instructions are being given at this moment, they will be muted for the duration of the call.

During navigation

You can use the keys to adjust the volume of the navigation instructions.

If an audio file is being played back at this moment, the keys will also affect the volume of the MP3 player.

During play-back of an audio file

You can use the keys to adjust the volume of the MP3 player.

Other cases

In all other cases the keys have no effect.

5.2   Information

Various information icons are located at the top of many windows.

GPS

The GPS icon is visible only in the navigation application. It can indicate the following GPS reception states:

No GPS (No symbol): The built-in GPS receiver is not operational. Contact customer service if this problem cannot be rectified by a reset.

No Signal: Data is being received from less than three satellites. Position cannot be calculated.

GPS Ready: Data is being received from at least three satellites. Position can be calculated.

For details of the GPS status refer to chapter "GPS Status, saving the current location" on page 59.

Compass

The Compass icon is visible only in the navigation application. It shows you in which direction you are currently moving. It can indicate the following points of the compass: N, NE, E, SE, S, SW, W, NW.

TMC (Traffic Information)

The *NAVIGON 83xx* has an integrated TMC receiver which provides the navigation system with traffic information updates. Dynamic route changes are possible if necessary, e.g. in order to avoid a traffic jam.

Note: This function is only available if TMC traffic messages are being transmitted in the country in which you are travelling. This is not the case in all countries.

The TMC icon is visible only in the navigation application. It can indicate the following TMC reception states:

Tuning (in red): The TMC receiver is operational but cannot find a station that is transmitting TMC signals. There are no active traffic messages.

Tuning: The TMC receiver is operational but cannot find a station that is transmitting TMC signals. Traffic messages are active however. This can be the case, for example, when travelling through a tunnel.

TMC on Standby (in grey): Traffic messages can be received.

Note: The TMC antenna is integrated in the car charger cable. The **Tuning** icon may also appear therefore in the following cases:

► The *NAVIGON 83xx* has been placed in the cradle but the car charger cable is not connected to the cradle.

► The *NAVIGON 83xx* has not been placed in the cradle and the car charger cable is not connected to the navigation device.

For details of the TMC function refer to chapter "TMC (Traffic Information)" on page 61.

Energy

The Energy symbol can indicate the following states of the integrated battery:

The device is being supplied by an external power source. The battery is fully charged.

- or -

The battery cannot be charged because its temperature is too high or too low.

The device is being supplied by an external power source. The battery is being charged.

The device is being supplied by its internal battery. The battery charge is sufficient.

The device is being supplied by its internal battery. The battery charge is low.

Bluetooth / Phone

The *NAVIGON 83xx* has an integrated Bluetooth hands-free module. This enables you to use the device as a hands-free kit for a mobile phone with Bluetooth capability.

The LED on the bottom of the *NAVIGON 83xx* shines with a blue light when the Bluetooth function is activated. For more details refer to chapter "Handsfree Module" on page 65.

The Phone icon can display the following states of the hands-free module:

No Bluetooth (No symbol): The Bluetooth function is deactivated.

Not connected (red mobile phone): The *NAVIGON 83xx* has no Bluetooth connection to another device.

Connected (white mobile phone): The *NAVIGON 83xx* is connected to a mobile phone and can be used as a hands-free car kit.

Call in Progress (green mobile phone): The hands-free module of the *NAVIGON 83xx* is being used at the moment for a call.

FM Transmitter

The *NAVIGON 83xx* has an integrated FM transmitter. This means that you can listen to all audio outputs via the car radio's loudspeakers. This applies to the navigation instructions, music from the MP3 player and phone calls with the hands-free module.

The FM Transmitter icon can indicate the following states of the integrated battery:

No Signal (No symbol): The FM transmitter is deactivated.

FM Transmitter: The FM transmitter is activated. You can listen to audio outputs from the device via the car radio. To do so, you must set the radio to the frequency of the FM transmitter and the *NAVIGON 83xx* must not be too far from the vehicle's antenna.

For details of the FM transmitter's functions refer to chapter "FM Transmitter" on page 77.

Muting

The Muting icon is visible only in the navigation application. It can indicate the following states:

No symbol: The navigation application is not muted.

◁✕ **Muting**: The navigation application is muted. If the device is navigating at the moment, you will not hear any driving instructions.

ℹ️ **Note:** This icon indicates only the muted state of the navigation instructions. It says nothing about the MP3 player or the hands-free system.

5.3 Software keyboard

A software keyboard appears on the screen when text entries are necessary.

All entries can be made on the software keyboard using your fingertips. Only capital letters can be entered.

When entering town or street names you need not enter any special characters or umlauts. The navigation system fills in these characters for you automatically. If, for example, you are searching for "Würzburg", then simply enter "WURZBURG". Special characters may be helpful however when naming saved destinations and routes.

5.3.1 Special keys

⎵ inserts a space.

◀ deletes the character in front of the cursor.

123 opens the keyboard with numerals.

Latin, Cyrillic and Greek alphabet

ABC opens the keyboard with the Latin alphabet.

АБС opens the keyboard with the Cyrillic alphabet.

ΑΒΓ opens the keyboard with the Greek alphabet.

When you want to enter addresses, names or special destinations, the keyboard with the alphabet for the country in question will open automatically.

When you want to save a destination to Favourites or when you enter a special destination category or a country, the keyboard with the alphabet of the user interface will open automatically.

You can also switch from the Cyrillic or Greek keyboard to the Latin keyboard. Many addresses can then also be entered as transliterations or in the language of the user interface.

Example: The language of the user interface is English. You want to navigate to Moscow. You have the following options:

► "Москва" (Cyrillic)

► "Moskva" (transliterated)

► "Moscow" (English).

Note: Street names and place names can be entered only in the language of the user interface if that is how they exist in the map's database.

Note: The maximum number of keyboards is always 2.

Umlauts, accents and other letters

Another keyboard with special characters is available for each alphabet.

SYM opens the keyboard with Latin special characters.

ЁЙЪ opens the keyboard with Cyrillic special characters.

АЇΩ opens the keyboard with Greek special characters.

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

5.3.2   Entering data

Often you can select an entry from a list. This is the case, for example, when you enter a location.

As soon as you enter the first letter, the largest city in the given country that begins with this letter appears.

Enter more letters and after each entry the first city which begins with these letters will appear.

► When the correct location appears, tap on ✔ (OK) in order to complete the entry.

You can open at any time a list containing all the locations which begin with the letters or include the text already entered. The more letters you enter, the shorter the list becomes.

► Tap on 📄 (Open List) to call up this list.

You can use the ▲ (Up) button and the ▼ (Down) button to move through the list.

► Tap on an entry in the list to select it and transfer it to the input box.

The list closes once an entry has been selected. You are now finished with entering the city.

► Tap on 📄 (Close List) in order to close the list without selecting an entry.

Note: The list opens automatically as soon as it contains only 5 or less entries.

Options

Some windows offer options that lead to more functions.

A description of all available options can be found in the chapter "Options" on page 45.

5.5 Menus

Some buttons have menus which open when activated.

Tap on a menu point to execute its function.

If you would like to quit the options list without selecting a function, tap on the button you used to open the menu.

6 Navigation

Use the navigation system at your own risk.

Caution! Be sure to refer to all the safety information in chapter "Important safety information" on page 9.

Impaired GPS reception

If GPS reception is impaired, navigation will be interrupted. The navigation application remains in the foreground.

As soon as GPS reception is restored, the navigation system calculates any change of position which has occurred in the meantime. You can then simply continue navigation.

Arriving at your destination

When you have reached your selected destination, a message to this effect will be displayed.

Only your current position (orange arrow) will now be shown on the map.

6.1 Starting the navigation application

You have switched on the navigation device and, if necessary, entered the password. The **START** window is open.

1. Tap on Navigation.

The navigation application will be started. When you start the navigation application for the first time, the following message will appear:

"Please note that the road traffic regulations are prior to the instructions of the navigation system. Please do not operate the device while driving."

2. After you have read and fully understood the message, tap on <u>OK</u>. If you do not accept the content of the message, tap on <u>Cancel</u> in order to exit the navigation application.

The **NAVIGATION** window is opened. From here you can access all the functions of the navigation application.

► Tap on [image: ♪] (<u>Music</u>) in order to move the MP3 player into the foreground.

► Tap on [image: ✆] (<u>Phone</u>) in order to move the hands-free module into the foreground.

► Tap on [image: ◄] (<u>Back</u>) in order to move the **START** window back into the foreground.

Initialising the GPS receiver

Note: Good reception of GPS data requires an unobstructed path from the GPS receiver to the satellites. Tunnels, narrow thoroughfares between buildings and reflecting house fronts can restrict GPS reception greatly or make it impossible. If the GPS receiver or the navigation device is inside a vehicle, a metallised windscreen or a windscreen heater can be the cause of poor GPS reception.

As soon as the navigation device has been switched on, initialisation of the GPS receiver will begin.

The integrated GPS receiver is not initialised for the first time until the navigation application is started for the first time. It can take up to 20 minutes to initialise the GPS receiver for the first time.

Note: If the <u>GPS</u> symbol indicates **GPS Ready** after far less than 20 minutes, it is advisable to leave the navigation device switched on for at least another 15 minutes in order to ensure reliable operation of the receiver.

Each time you switch on the navigation device after this, GPS reception will start within a short time.

If the navigation device has not been switched on for more than a week, it can take up to 10 minutes to re-initialise the receiver.

In the top right hand corner of the display, you will see the <u>GPS</u> symbol. As soon as data from at least three satellites is received, the icon will

change to [image: satellite icon] (GPS Ready).

Note: Initialisation takes the least time if you do not start driving until the initialisation has finished.

For more details about the GPS symbol refer to chapter "GPS" on page 19.

Returning to the Navigation window

The **NAVIGATION** window opens when the navigation application is started.

If another window of the navigation application is open, tap on ◀ (Back). This will return you to the window you came from.

► Tap on ◀ (Back) repeatedly until the **NAVIGATION** window is opened.

6.2 Specifying a destination

Under New Destination you can enter destinations to which you have not yet navigated or which you have not saved.

Here you can enter the destination's address or coordinates, select a POI, or select a destination with the Direct Access function.

Note: The first time that you want to enter a new destination you will be asked to select the country in which your destination is situated.

Under My Destinations the *NAVIGON 83xx* provides the following lists of destinations and addresses for you to select from:

► **FAVOURITES**: All destinations that you have entered in the *NAVIGON 83xx* and then saved.

► **LAST DESTINATIONS**: Destinations to which you have navigated on a previous occasion.

► **IMPORTED ADDRESSES**: All destinations that you have imported from Microsoft Outlook or from other data sources.

6.2.1 Specifying the country in which the destination is situated

At top left in the **ADDRESS**, **POI IN A CITY** and **POI NATIONWIDE** windows you will find the Country button. It bears the flag of the country in which you can currently select destinations for the navigation application.

If your destination is in a different country, then proceed as follows:

1. Tap on the Country button.

2. Enter the name of the country in which your destination is situated.

   The button shows the flag of the destination country.

Note: The selection list contains only those countries whose maps are available to the navigation device.

6.2.2   Entering a destination address

1. In the **NAVIGATION** window, tap on New Destination > Enter an Address.

    If the navigation device contains the map of a country in which the street is usually listed first (e.g. Sweden, Norway, ...), after you select this country you can also choose Street First as the order for entering the destination address.

►   Tap on Options > Street First if you would like to first enter the street and then the city.

Note: The following description is based on City First as the order for entering the address.

If you don't want to choose each time the order for entering the address information, you can select a default setting under Options > Settings > General > Input Mode for Address Data. Please note however that the Street First order of entry is not possible for all countries. In this case you must enter the city first.

The **ADDRESS** window opens.

2. Enter the name or the postal code of the destination town.
3. Enter the name of the destination street.
4. Enter the house number. If you do not know the house number, then leave this box empty.

    If you don't know the house number but know the name of a nearby side street, then tap on the Cross Street box and enter the name of this street. The navigation system will calculate a route to the intersection of the streets you have entered.

    The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

    Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

►   Tap on Activate MyRoutes in order to change the setting.

5. Tap on Start Navigation in order to navigate to the stipulated address

    - or -

    Tap on Parking in order to search for a car park near your destination.

    Sometimes the destination cannot be found exactly because, for example, the entered combination of place and street name exists several times.

In this case a window will open with a list of all the addresses matching your entry plus additional information.

► Tap on the address to which you want to navigate.

If the entered house number is not included on the map, the window will show an address with the house number closest to the one entered.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

Note: It is not necessary to enter all the address details. You can tap on Start Navigation before you get that far.

If you specify the town only, the navigation system will calculate a route to the town centre.

If you specify only the town and street without specifying a house number or cross street, the navigation system will calculate the best route to this street.

6.2.3   Enter Coordinates

You can also enter the geographic coordinates of your destination. The coordinates can be entered as decimal degrees or in degrees, minutes and seconds.

1. In the **NAVIGATION** window, tap on New Destination > Enter an Address.

   The **ADDRESS** window opens.

2. In the **ADDRESS** window, tap on Options > Enter Coordinates.

   The **ENTER COORDINATES** window opens.

Entering as a decimal number

3. Enter the degree of latitude.

   Begin the entry with a minus sign if you want to enter a southern degree of latitude.

4. Enter the degree of longitude.

   Begin the entry with a minus sign if you want to enter a western degree of longitude.

Entering with minutes / seconds

3. Enter the degree of latitude.

   Use the corresponding buttons shown on the keyboard in order to enter the units:

(degrees),   (minutes),   (seconds).

The (N S) button alongside the entry box indicates whether it is a northern or southern degree of latitude.

► Tap on the button if you want to change the current setting.

4. Enter the degree of longitude.

Use the corresponding buttons shown on the keyboard in order to enter the units:

(degrees),   (minutes),   (seconds).

The (E W) button alongside the entry box indicates whether it is an eastern or western degree of longitude.

► Tap on the button if you want to change the current setting.

6.2.4 Selecting the destination address by voice command

It is particularly convenient to select the destination address by voice command.

1. In the **NAVIGATION** window tap on Voice Command.

   The **VOICE COMMAND** window opens.

   Indicated at the top is the country for which you can select addresses.

► Tap on the country if your destination address is situated in a different country. Then follow the instructions given by the navigation system.

   You will be asked for the address data in this order: City > Street > House number.

2. Follow the instructions given by the navigation system.

   When you have finished entering the address, the map will open in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

Note: The **Voice Command** function is not available for every language. In the languages for which this function is not available, the Voice Command button is replaced by the Show Map button.

6.2.5 Points of interest

Points of Interest, called POI for short, are useful addresses that are catalogued according to particular criteria.

POIs include ports, airports, restaurants, hotels, petrol stations, public buildings, doctor's surgeries, hospitals, shopping centres, etc.

Points of interest can be displayed on the map by means of a symbol. In the **NAVIGATION** window tap on Options > Settings > Map Display > Categories Shown in order to select the categories you want to appear on the map.

POI nearby

POIs nearby are POIs located within a certain radius of your current location. This means you can always find the nearest petrol station for example, no matter where you are.

Note: GPS reception must be good enough for determining your position. Check the (GPS Ready) symbol to see whether GPS reception is good enough.

For more details refer to the chapter "Initialising the GPS receiver" on page 25.

Note: The Direct Access section offers 3 categories of POI from the current vicinity which can be searched for quickly and without additional entry.

For more details refer to the chapter "Direct access to POI" on page 33.

1. In the **NAVIGATION** window tap on New Destination > Search for POI > Nearby.

   The **POI NEARBY** window opens.

2. Select a category from which you would like to find a POI. Categories in which no destinations are available nearby cannot be selected.

   If sub-categories exist for the category you have selected, the Sub Category list opens.

3. Select the sub-category from which you would like to select a POI.

   The Destination list opens. It contains the nearest POIs in the specified category, sorted by distance.

4. If the list is very long:

► Tap on 🗒 (Close List).

   The keyboard appears.

► Enter a number of letters from the destination.

► Tap on 🗒 (Open List).

   The list now contains only those destinations which begin with or contain the letters entered.

5. Tap on the name of the destination.

The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

► Tap on Activate MyRoutes in order to change the setting.

6. Tap on Start Navigation.

- or -

Tap on Parking in order to search for a car park near your destination.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

POI of nationwide significance

POIs of nationwide significance are airports, sights, national monuments, large ports etc. This way you can find well-known places of interest even if you don't know the name of their location.

1. In the **NAVIGATION** window tap on New Destination > Search for POI > Nationwide.

The **POI NATIONWIDE** window opens.

2. Select a category from which you would like to find a POI.

The Destination list opens. It contains the POI from the selected category, sorted alphabetically.

3. If the list is very long:

► Tap on ▣ (Close List).

The keyboard appears.

► Enter a number of letters from the destination.

► Tap on ▣ (Open List).

The list now contains only those destinations which begin with or contain the letters entered.

4. Tap on the name of the destination.

The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

► Tap on Activate MyRoutes in order to change the setting.

5. Tap on Start Navigation.

- or -

Tap on Parking in order to search for a car park near your destination.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

POI in a particular location

POIs in a particular location can be useful when navigating in an unfamiliar town.

1. In the **NAVIGATION** window tap on New Destination > Search for POI > in a City.

   The **POI IN A CITY** window opens.

2. Enter the name or the postal code of the destination town.

3. Select a category from which you would like to find a POI. Categories in which no destinations are available in the selected town cannot be entered.

   If sub-categories exist for the category you have selected, the Sub Category list opens.

4. Select the sub-category from which you would like to select a POI.

   The Destination list opens. It contains POI from the specified category, sorted alphabetically.

5. If the list is very long:

► Tap on 📑 (Close List).

   The keyboard appears.

► Enter a number of letters from the destination.

► Tap on 📑 (Open List).

   The list now contains only those destinations which begin with or contain the letters entered.

6. Tap on the name of the destination.

   The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

   Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

   ► Tap on Activate MyRoutes in order to change the setting.

   Sometimes the destination cannot be found exactly because, for example, several restaurants with the same name exist in the town in question.

In this case a window opens with all the destinations matching your entry plus additional information.

► Tap on the destination to which you want to navigate.

7. Tap on Start Navigation.

- or -

Tap on Parking in order to search for a car park near your destination.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

Direct access to POI

The direct access area contains 3 categories of POI. Destinations in your vicinity that correspond to one of these categories can be viewed here quickly and without further entry.

► In the **NAVIGATION** window tap on Options > Settings > General in order to select which categories or sub-categories are to be available for direct access.

Note: The categories for the **Direct Access** function are the same as those available for the **POI on Your Route** function. (Refer to "Map options in Navigation mode" on page 52)

Note: GPS reception must be good enough for determining your position. Check the ⬠ (GPS Ready) symbol to see whether GPS reception is good enough.

For more details refer to the chapter "Initialising the GPS receiver" on page 25.

1. In the **NAVIGATION** window tap on New Destination.

The **NEW DESTINATION** menu opens.

In the Direct Access area you are shown the symbols of those POI categories that are available by direct access.

2. Tap on the category from which you would like to select a POI.

A list opens. It contains the nearest POIs in the specified category, sorted by distance.

3. Tap on the name of the destination in order to start navigation to it.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

6.2.6 Information about the destination

For many destinations that you specify, there will be further information available, stored in the navigation system's database.

There is, for example, a telephone number available for many restaurants. You can then call the restaurant to reserve a table, for example.

One of the destination entry windows described above is open.

► Tap on Options > Info.

The **DESTINATION INFO** window opens. It contains all the information about the specified destination that is stored in the navigation system's database.

► Tap on Cancel in order to close the **DESTINATION INFO** window again.

► Tap on (Show on Map) in order to see the destination on the map.

► Tap on (Save Destination) in order to save the destination in the **FAVOURITES** list.

► Tap on (Call) in order to call the number indicated.

Note: The Call function is only available when the *NAVIGON 83xx* is connected via Bluetooth to a mobile phone.

For details of how to connect to a mobile phone refer to chapter " Handsfree Module" on page 65.

6.2.7 Favourites

Destinations to which you want to travel often can be saved in the **FAVOURITES** list.

In the **FAVOURITES** list you can save up to 500 destinations.

Information on how to save a destination can be found in chapter "Saving destinations" on page 39.

1. In the **NAVIGATION** window, tap on My Destinations > Favourites.
2. Tap on the destination to which you want to navigate.

   The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

► Tap on Activate MyRoutes in order to change the setting.

3. Tap on Start Navigation.

- or -

Tap on Parking in order to search for a car park near your destination.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

Note: Favourites are indicated on the map by a small flag with their name.

6.2.8   Last Destinations

NAVIGON 83xx saves the last 12 destinations to which you have navigated in the **LAST DESTINATIONS** list.

1. In the **NAVIGATION** window, tap on My Destinations > Last Destinations.

2. Tap on the destination to which you want to navigate.

The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

► Tap on Activate MyRoutes in order to change the setting.

3. Tap on Start Navigation.

- or -

Tap on Parking in order to search for a car park near your destination.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

6.2.9   Imported Addresses

You can use the *NAVIGON Sync* software from the CD to export to your navigation system the contact addresses which you have saved in Microsoft Outlook on your computer.

From many route planners on the Internet it is also possible to copy the entered destination address directly onto your navigation system. This function is clearly indicated on those websites which offer it.

Contacts which have been saved with several addresses will appear once with each address in the **IMPORTED ADDRESSES** list.

1. In the **NAVIGATION** window, tap on My Destinations > Imported Addresses.

2. Tap on the address to which you want to navigate.

   The **DETAILED INFORMATION ABOUT THE DESTINATION** window opens.

   Indicated on the Activate MyRoutes button is whether several route suggestions are to be calculated (Yes) or not (No).

   ► Tap on Activate MyRoutes in order to change the setting.

3. Tap on Start Navigation.

   - or -

   Tap on Parking in order to search for a car park near your destination.

   The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

6.2.10   Navigating home

In *NAVIGON 83xx* you can save an address as your home address. You can navigate to your home address at any time by pressing a single button.

More information about entering your home address can be found in the chapter "Defining the home address" on page 39.

► In the **NAVIGATION** window tap on Take Me Home.

   If you have not yet entered your home address, a dialog box will notify you of this.

Navigation starts. The route profile used for the previous navigation will be applied.

6.2.11   Selecting destinations on the map

You may select a destination directly on the map. This is a quick way to select towns, streets and POI.

1. In the **NAVIGATION** window tap on Options > Show Map.

2. Tap on (Destination search)

The map opens in **Destination search** mode.

3. Tap on the point to which you want to navigate.

Note: For details of how to change the map view so that your destination is easily seen refer to the chapter "Map in Destination search mode" on page 53.

The destination that you have selected appears under the cross hairs.

The geographical coordinates of the destination and the corresponding address are shown in the bottom third of the screen.

4. Tap on ✅ (OK).

The **DESTINATION ON MAP** window opens. The detailed address data of the selected destination is displayed in the upper left-hand corner.

5. Tap on Take Me There.

The map opens in **Preview** mode. The destination is indicated on the map.

For detailed information on how to start navigation, please refer to chapter "Route preview" on page 37. Please read on there.

6.2.12   Route preview

The map is open in **Preview** mode.

The navigation destination is depicted by a small flag.

For detailed information refer to the chapter "Map in Preview mode" on page 48.

Route Profile

The route is calculated on the basis of a route profile. The current settings are indicated by symbols on the 🚗 🏍 🚢 ⛴ (Route Profile) button at the top right edge of the map.

► If you now want to view or change the route profile, tap on Route Profile.

Note: If you change the route profile, the changes will also apply to future navigations.

Information about individual route profile settings can be obtained by tapping on the related ℹ️ (Help) button.

Turn-by-Turn List

► If you want to see detailed directions for the route, tap on <u>Options</u> > <u>Turn-by-Turn List</u>.

For details of the functions in the **TURN-BY-TURN LIST** window refer to chapter "Turn-by-Turn List" on page 60.

MyRoutes

When the **MyRoutes** function is activated, the navigation system calculates up to three routes on the basis of the currently selected route profile and shows them on the map in different colours (orange, green, blue) and with a number. For each route there is a button with the same number and a symbol in the same colour.

When calculating the time of arrival or the trip time, the navigation system takes account of additional factors such as day of the week and time of day.

The route which corresponds best to the selected route profile is marked with "MyRoute".

Note: Even when the **MyRoutes** function is activated, sometimes only one additional route or no additional routes at all can be calculated for a particular route. <u>No further suggestion</u> is then shown on the button in question.

Start Navigation

► Tap on the button of the route which you want to use for the navigation.

No GPS reception

If GPS signal reception is not good enough, the following message will appear: "GPS reception is currently not sufficient. Navigation starts automatically as soon as GPS reception is OK again."

You have the following options:

► Wait. As soon as GPS reception is good enough for determining your position, the route will be recalculated and navigation will begin.

► Tap on <u>Cancel</u>. The window in which you entered your destination will open again. Your destination is saved in the **LAST DESTINATIONS** list.

► Tap on <u>Demo</u>. The route will be calculated using the centre of the destination location as starting point. Navigation will then be simulated on this route.

Tap on ◄ (Back) in order to terminate the demonstration.

Note: If you selected the destination on the map, then the Demo button is not available.

6.3   Managing destinations

Every destination you enter and destinations from the **LAST DESTINATIONS** and **IMPORTED ADDRESSES** lists can be saved in the **FAVOURITES** list. This makes sense if you frequently navigate to this particular destination.

Note: Favourites are indicated on the map by a small flag with their name.

6.3.1   Saving destinations

1. Enter a destination. (Refer to "Entering a destination address" on page 27 or "Points of interest" on page 29). Do not tap on the Start Navigation button!
2. Tap on Options > Save Destination.
   - or -
1. Select a destination from the **LAST DESTINATIONS** list or from the **IMPORTED ADDRESSES** list. (Refer to "Last Destinations" on page 35 or "Imported Addresses" on page 35). Do not tap on the Start Navigation button!
2. Tap on Options > Save as Favourite.
3. Enter a name for the destination.
4. Tap on Save.

6.3.2   Defining the home address

You can always start navigation to your home address very quickly by tapping in the **NAVIGATION** window on Take Me Home.

You can define exactly one destination as your home address. This destination is saved in the **FAVOURITES** list.

Proceed as follows:

1. In the **NAVIGATION** window, tap on New Destination > Enter an Address.

   The **ADDRESS** window opens.
2. Enter your home address.
3. Tap on Options > Save Destination.

4. Enter a name for the address. (For example "Home Address")

    Your home address is now saved in the **FAVOURITES** list.

5. Tap on [◄] (Back).

    The **NAVIGATION** window opens.

6. Tap on My Destinations > Favourites.

7. Select from the **FAVOURITES** list the destination which you want to define as your new home address. (Refer also to "Favourites" on page 34)

8. Tap on Options > Home Address.

The selected destination has now been saved as your home address. Your home address now appears in the **FAVOURITES** list marked by a house symbol.

Note: The home address is also indicated on the map by a house symbol.

Changing the home address

You can define a different address as the home address at any time. Proceed as described above.

6.4   Multi-leg routes

It is possible to plan routes without GPS reception, for example in the comfort of your home. Planned routes can be saved for later use. This allows you to plan as many routes as you like, for example for your holidays.

1. In the **NAVIGATION** window tap on Options.

    The options list opens.

2. Tap on the Route Planning option.

    The **ROUTE PLANNING** window opens.

6.4.1   Entering the starting point

The starting point of a route is the point at which you want to begin your trip. This is not necessarily the current location. If you are planning a route for your holidays at home, you could, for example, enter your hotel as the starting point.

The starting point is only important if you want to see a planned route on the map but currently have no GPS reception, or if you are not currently at the planned starting point. This is why your selected starting point has the flow number "0".

As soon as you start navigation, your current location will be used as the starting point for the route calculation.

The first leg of the route is therefore the journey to the route point with flow number "1".

1. Tap on the Specify Starting Point box.

   The **STARTING POINT** menu opens.

If you want to enter your current location as the starting point:

2. Tap on the Current Position menu item.

If you want to enter a different starting point:

2. Tap on the corresponding button.

3. Enter the starting point. (Refer to the corresponding section of the chapter "Specifying a destination" on page 26)

4. Tap on Set Starting Point.

   The selected starting point will now be displayed next to the 0 button (Starting Point).

Changing the starting point

► Tap on the starting point (button 0).

The **STARTING POINT** menu opens. You can now enter a different starting point. Proceed as described above.

6.4.2 Entering route points

The route points of a route are the destinations that you want to navigate to.

The flow number for each route point is indicated on a button in front of it.

1. Tap on the Add Route Point box.

   The **ROUTE POINT** menu opens.

2. Tap on the button for how you want to enter the destination.

3. Enter the route point. (Refer to the corresponding section of the chapter "Specifying a destination" on page 26).

4. Tap on Add.

   The selected route point is now shown next to its flow number.

Repeat these steps for each destination that you want to add to your route.

6.4.3 Editing route points

Route points can be deleted from a route. The order of the route points can be changed as you wish.

Note: The starting point (flow number "0") can be neither moved nor deleted. However you can make another route point into the starting point.

► Tap on the route point that you want to edit.

The context menu contains the following buttons:

Route Point Up: Moves the selected route point further to the front. (Example: route point 2 becomes route point 1).

Route Point Down: Moves the selected route point further to the back. (Example: route point 2 becomes route point 3).

Delete: Deletes the selected route point. A dialog window prompts you to confirm deletion.

6.4.4   Managing routes

You can save each planned route under a particular name.

Note: Only the start point and route points will be saved, not the calculated route. When you load a saved route, it must be recalculated before navigation can start.

You can load, rename or delete stored routes.

Saving routes

The **ROUTE PLANNING** window is open. You have entered the starting point and at least one route point.

1. Tap on Options > Save Route.
2. Enter a name for the route.
3. Tap on Save.

   The destination is now saved to the **SAVED ROUTES** list. The dialog window closes.

Loading routes

1. Tap on Options > Saved Routes.
2. Tap on the route that you want to load.
3. Tap on Load Route.

   The **ROUTE PLANNING** window opens. The starting point and the route points of the loaded route have been entered.

6.4.5 Calculating and displaying routes

It is possible to calculate and display a planned route on the map even without GPS reception in order to get an impression of the journey.

The **ROUTE PLANNING** window is open. The starting point and at least one route point have been entered.

► Tap on Show Route.

The map opens in **Preview** mode.

The starting point and the route points are marked by flags. The distance and the estimated trip time is given for each leg of the route.

6.4.6 Simulating routes

It is also possible simply to simulate navigation on a planned route.

Note: GPS reception is not necessary for simulation.

If you have planned a multi-leg route, only the first leg will be simulated.

You have calculated and displayed a route.

1. Tap on Options > Simulation.

The route will be recalculated for simulation purposes.

If you have planned a route with only one route point and the **MyRoutes** function is activated, you will be prompted to select a route for the simulation.

2. Tap on the button of the route on which you want to simulate the navigation.

Note: When the **MyRoutes** function is deactivated or if you have planned a route with more than one route point, the simulation will start directly after the route has been calculated.

For more details about the **MyRoutes** function refer to the chapter "MyRoutes" on page 44.

Stopping simulation

You can stop simulation at any time.

► Tap on ◄ (Back).

The **ROUTE PLANNING** window opens.

6.4.7 Route preview

You have calculated and displayed a route. The map is open in **Preview** mode.

Route Profile

The route is calculated on the basis of a route profile. The current settings are indicated by symbols on the (Route Profile) button at the top right edge of the map.

If you now want to view or change the route profile, tap on Route Profile.

Note: If you change the route profile, the changes will also apply to future navigations.

Information about individual route profile settings can be obtained by tapping on the related (Help) button.

Note: When you load routes which originate from a different provider than NAVIGON, the Route Profile button may be inactive. You cannot change the route profile of this route.

Turn-by-Turn List

If you want to see detailed directions for the route, tap on Options > Turn-by-Turn List.

For details of the functions in the **TURN-BY-TURN LIST** window refer to chapter "Turn-by-Turn List" on page 60.

MyRoutes

When the **MyRoutes** function is activated, the navigation system calculates up to three routes on the basis of the currently selected route profile and shows them on the map in different colours (orange, green, blue) and with a number. For each route there is a button with the same number and a symbol in the same colour.

When calculating the time of arrival or the trip time, the navigation system takes account of additional factors such as day of the week and time of day.

The route which corresponds best to the selected route profile is marked with "MyRoute".

Note: The **MyRoutes** function can be used only for routes with only one route point. For routes with two or more route points only one route is calculated and displayed, regardless of whether you have activated the function or not.

Note: Even when the **MyRoutes** function is activated, sometimes only one additional route or no additional routes at all can be calculated for a particular route. <u>No further suggestion</u> is then shown on the button in question.

Start Navigation

► Tap on the button of the route which you want to use for the navigation.

No GPS reception

If GPS signal reception is not good enough, the following message will appear: "GPS reception is currently not sufficient. Navigation starts automatically as soon as GPS reception is OK again."

You have the following options:

► Wait. As soon as GPS reception is good enough for determining your position, the route will be recalculated and navigation will begin.

► Tap on <u>Cancel</u>. The map opens in **Preview** mode.

6.5   Options

Some windows offer options that lead to more functions.

► Tap on <u>Options</u> to open the options list.

► Tap on the option you would like to use.

► If you would like to quit the options list without selecting an option, tap on the <u>Options</u> button again.

<u>2D/3D</u>: Changes between 2D and 3D mode. The symbol indicates the current mode.

<u>Add to Route</u>: Opens the route planning. The address specified will be added as a route point. (Refer to "Multi-leg routes" on page 40.)

<u>Block</u>:   Opens a window in which you can block a section of the route lying ahead in order to calculate a route which avoids this section, e.g. if you have heard on the radio of a traffic jam relating to this section. (Refer to "Block" on page 59)

<u>Day/Night</u>: Changes between "Day" and "Night" display modes. The symbol indicates the current mode.

<u>Delete All</u>: Deletes all destinations in the list (**LAST DESTINATIONS** list or **FAVOURITES** list, depending on where you opened the options). The list is then empty. A dialog window prompts you to confirm deletion.

Delete: Deletes the selected destination from the **LAST DESTINATIONS** or **FAVOURITES** list or the selected route from the **SAVED ROUTES** list. A dialog window prompts you to confirm deletion.

Direct Help: Opens a window in which you can find in quick and uncomplicated manner the addresses and phone numbers of offices in your direct vicinity that can be useful in emergencies (refer to "Direct Help" on page 58). If the navigation device is connected to a mobile phone, you can initiate a call directly from here.

Enter Coordinates: Opens the **ENTER COORDINATES** window. Here you can enter the geographic coordinates of your destination. (Refer to "Enter Coordinates" on page 28)

Factory Settings: Resets all settings to the as-delivered state. Routes and saved destinations are deleted. The software is re-started and behaves as if started for the first time after being purchased. (Refer to "Switching on the NAVIGON 83xx" on page 16)

FM Transmitter: You can listen to driving instructions and music from the ***NAVIGON 83xx*** over the car radio's loudspeaker system. (Refer to "FM Transmitter" on page 77)

GPS Status: Opens the **GPS STATUS** window. Here you can see details regarding GPS reception. You can also save the data of your current location. (Refer to "GPS Status, saving the current location" on page 59.)

Home Address: Saves the selected destination as your home address. You can then always start navigation to this destination very quickly by tapping in the **NAVIGATION** window on Take Me Home.

Interim Destination: Sets the selected point as interim destination. The navigation system will first guide you to this interim destination. Afterwards you can continue navigation to your original destination.

MyReport: Opens the **MYREPORT** window. Here you can notify NAVIGON about any changes to traffic monitoring systems and routing.

MyRoutes: Opens the map in **Preview** mode. You are provided with up to three different suggestions as to how you can continue your journey. Select one of the routes offered.

New Route: Deletes the starting point and all route points from the **ROUTE PLANNING** window so that you can plan a new route.

If necessary, save the previously planned route!

Parking: Starts navigation to a car park near the destination.

Password Lock: Opens a window in which the password can be configured. (Refer to "Password Lock" on page 17)

POI on Your Route: Opens a list with POIs lying on your route. A destination shown here can be selected as an interim destination and can be navigated to.

Product Information: Here you are shown the version numbers and copyright details of the hardware and software.

Rename: Opens a window in which you can change the name for the selected destination or route.

Route Planning: Opens the **ROUTE PLANNING** window. Here you can plan routes, manage planned routes and start navigation on a planned route. (Refer to "Multi-leg routes" on page 40.)

Route Profile: Opens the **ROUTE PROFILE** window. Here you can view the options for route planning and, if necessary, change them.

Save as Favourite: Saves the selected destination to the **FAVOURITES** list. (Refer to "Saving destinations" on page 39)

Save Destination: Saves the selected address in the **FAVOURITES** list. (Refer to "Saving destinations" on page 39)

Save Position: Opens the **SAVE DESTINATION AS...** window. Here you can save your current position under a certain name in the **FAVOURITES** list.

Save Route: Opens a window in which you can save the planned route under a specific name. (Refer to "Saving routes" on page 42)

Saved Routes: Opens a dialog window into which you can load a saved route.

Settings: Opens the **SETTINGS** window. Here you can configure the navigation system. (Refer to "Configuring the NAVIGON 83xx" on page 78)

Show on Map: Shows the selected address on the map.

Simulation: Simulates a navigation on the route indicated. This simulation can be performed without GPS reception. On multi-leg routes, only the first leg is simulated.

Skip Route Point: Tap this button to omit the next route point. This button is active only when at least 2 route points still lie ahead of you. (Refer to "Multi-leg routes" on page 40)

Touchscreen Calibration: The touchscreen can be re-calibrated if it responds poorly to touch. Follow the instructions on the screen.

Traffic: Opens the **TRAFFIC INFORMATION** window in which pending reports are listed. (Refer to "TMC (Traffic Information)" on page 61)

Turn-by-Turn List: Shows detailed directions for the route, including all points at which you must turn. (Refer to "Turn-by-Turn List" on page 60)

6.6 Working with the map

6.6.1 Selecting the navigation map

Each country has its own navigation map. Seamless navigation over several maps on one continent is possible however if a continuous route can be calculated with the maps saved on the device.

Even if maps of countries in other continents are available on the navigation device, the *NAVIGON 83xx* can only ever work with the maps of a single continent.

Tap in the **NAVIGATION** window on Options > Settings > Map Display in order to see which maps are currently in use. Here you can also select a different continent if the navigation device contains any maps of countries on other continents.

6.6.2 Map in Preview mode

You have entered a destination and tapped on Start Navigation.

- or -

You have planned or loaded a route and tapped on Show Route.

The map opens in **Preview** mode.

1   When the **MyRoutes** function is activated, up to three numbered routes are indicated on the map in different colours (orange, green, blue).

When the **MyRoutes** function is deactivated or if you have planned a route with more than one route point, only one route is displayed.

2   The current position is indicated (orange arrow).

If you display a planned or loaded route and the specified starting point is not your current location, then it is possible that your current position will not be shown on the preview.

3   Symbols on the [image] (Route Profile) button indicate the current settings in the route profile. If you tap on this button, the **ROUTE PROFILE** settings window will open.

► The left symbol indicates which speed profile is set (in this example: car).

► The three symbols on the right indicate whether Motorways, Toll Roads and Ferries are permitted for calculating the route.

4   For each route (orange, green, blue) there is a button with the same number and a symbol in the same colour. Indicated on each button are the estimated time of arrival, the total distance and the estimated duration of the particular route.

If the **MyRoutes** function is activated, the route corresponding best to the selected route profile will be marked with "MyRoute".

As soon as you tap on a button, navigation along the route in question will start.

5   The destination is marked with a little flag.

If you display a planned or loaded route, the starting point and each route point will be marked with a little flag.

In the case of a multi-leg route, the distance and the estimated driving time for each leg are displayed.

► Tap on the [image] (Route Profile) button (see figure, point 3) in order to view and if necessary change the settings on which the route calculation is based.

► To start the navigation, tap on the button for the route (see figure, point 4) you want to use for the navigation.

If you display a planned or loaded route, the route may be recalculated. The starting point for the calculation will now be your current location. You will first be guided to the first route point entered.

► Tap on Options > Turn-by-Turn List to view detailed directions for the route. (Refer to "Turn-by-Turn List" page 60)

► Tap on [image] (Destination search) in order to view the map in **Destination search** mode. (Refer to "Map in Destination search mode" page 53)

6.6.3   Map in Navigation mode

After the route was shown in **Preview** mode, navigation was started.

The map opens in **Navigation** mode.

1	Here is shown what signposts should be followed.
2	Here you can see any speed limits, warning signs or prohibiting signs (refer also to "Warn from bends" on page 58).
3	The route is highlighted in orange.
4	When two manoeuvres need to be executed in quick succession, the small arrow box indicates the second manoeuvre to be executed.
5	The large arrow box shows a diagram of the next junction which you should turn on to. The distance remaining to this junction is indicated underneath.

As you get closer to the junction you will see a spot diagram in addition to the distance:

The nearer you get to the junction, the more yellow spots are displayed.

If you don't have to change direction for a long time, you will see only a straight arrow. The distance you must continue straight on is indicated underneath the arrow.

► Tap on the large arrow box to hear current route instructions.

| 6 | The **Traffic Information** box opens if a reported traffic obstruction affects your route. |

If a distance is indicated in the **Traffic Information** box, no detour route was calculated yet for the traffic obstruction in question.

► Tap on the **Traffic Information** box in order to open the **PREVIEW TMC** window. It shows a map view with the route section affected by the message and a possible detour.

If no distance is indicated, all the obstructions which are reported for your route and would lead to a loss of time will be avoided.

► Tap on the **Traffic Information** box in order to open the **TRAFFIC INFORMATION** window. (Refer to "Displaying traffic information" on page 62)

Note: The calculation of detour routes to avoid reported traffic obstructions can be performed automatically. (Refer to "TMC Settings" on page 64)

7   The Parking box appears when you are near your destination.

► Tap on this box in order to select a car park near your destination as your new destination.

8   Ahead of many junctions the information from points 9 and 10 is hidden. Instead you are shown which lanes lead to your destination.

► Tap on the box in order to hide the lane information.

9   The height above sea level and the current speed are shown here.

10   In the **Total** box you can see the distance remaining to the destination, the estimated duration of the trip and the estimated time of arrival.

► Tap on the arrival time if you want to see the estimated driving time instead.

► Tap once again on the info box if you want to see the estimated time of arrival.

11   Your current position is indicated on the map (orange arrow). The section of the map displayed changes continually so that your current position is always in view on the map.

12   If you are navigating a multi-leg route, you will see the remaining distance to the next interim destination and the estimated time of arrival in the **Next** box.

► Tap on the arrival time if you want to see the estimated driving time instead.

► Tap once again on the info box if you want to see the estimated time of arrival.

13   The name of the route section that you need to drive onto next is shown in the upper road box.

14   The name of the section you are currently driving on is shown in the lower road box.

Note: The displays of many of the above mentioned areas can be configured in Options > Settings > Navigation. Some displays will only function if the required information is available on the map.

Note: If you tap on the large arrow box, the current route instruction will be repeated.

► Tap on Options > Route > Turn-by-Turn List in order to view a turn-by-turn list. (Refer to "Turn-by-Turn List" on page 60)

► Tap on ⬛ (Destination search) in order to view the map in **Destination search** mode. (Refer to "Map in Destination search mode" on page 53)

Volume

The volume of the spoken driving instructions can be adjusted during navigation.

1. Tap on ⬛ (Volume).

   The volume bar opens. It contains three buttons for adjusting the volume.

   ⬛ (Louder), ⬛ (Quieter), ⬛ (Volume on/off).

2. Tap on ⬛ (Volume) again or wait a few seconds.

   The volume bar closes.

Quitting navigation

Tap on ⬛ (Back) in order to quit navigation. A dialog box will prompt you to confirm.

Map options in Navigation mode

► Tap on Options. A window with several buttons opens.

The most important functions for navigation can be reached via buttons with symbols.

Other functions are found by tapping on one of the buttons Destination, Route, Services or General.

A description of all available options can be found in the chapter "Options" on page 45.

6.6.4   Reality View Pro

The map switches to **Reality View** mode when you approach one of the following points while driving on the motorway:

► a motorway junction

► a three-leg motorway junction

► the exit you must take to leave the motorway

The **Reality View** mode shows with greater clarity the signposting and lanes you must follow.

This display does not change until you have passed the spot indicated. The map will then change back to **Navigation** mode.

► If you want to change to **Navigation** mode before then, just tap on any point on the map.

Note: The **Reality View** mode is not available for all motorway junctions and three-leg motorway junctions. Availability depends on the map material used.

6.6.5   Map in Destination search mode

The map is always in **Destination search** mode, when a pair of cross hairs are to be seen. Indicated in the address box are the coordinates and, where applicable, the name of the street under the cross hairs.

When you are driving, the map does not change. It is always orientated with north at the top.

 Zoom Out: The map section shown becomes larger, but you will see fewer details.

 Zoom In: The map section becomes smaller, but you will see more details.

 Zoom Mode: When this button is active you can mark out a section of the map with the stylus or your finger.

Mark out the section from upper left to bottom right to zoom in until the section fills the screen.

Mark out the map section from bottom right to top left to zoom out.

 Pan Mode: When this button is active you can change the section of map displayed with the stylus or your finger. Simply drag the map in the desired direction.

 Entire Route: Zooms the map so that the entire route is visible.

 Current Position: Selects the section of map displayed so that the current location is at the centre.

Operating in Destination search mode

1. Tap on the point to which you want to navigate.

   The destination that you have selected appears under the cross hairs.

   The geographical coordinates of the destination and the corresponding address are shown in the bottom third of the screen.

2. Tap on (OK).

       Buttons with various functions will be displayed.

Take Me There: Starts navigation to the selected point. If you are currently navigating, this route navigation will be cancelled.

MyReport: Opens the **MYREPORT** window. Here you can notify NAVIGON about any changes to traffic monitoring systems and routing.

Interim Destination: Sets the selected point as interim destination. The navigation system will first guide you to this interim destination. Afterwards you can continue navigation to your original destination.

       This function is only active during navigation.

Add to Route: Adds the selected point to the route planning as the last point. Navigation will then continue to this point after you have reached the original destination or the other route points.

Save: Opens the **SAVE DESTINATION AS...** window. You can enter a name under which the selected point will be saved in the **FAVOURITES** list. (Refer to "Saving destinations" on page 39)

Search Nearby: Opens the **POI NEARBY** window. Here you can search for destinations near the selected point. (Refer to "POI nearby" page 30)

►   Tap on (Destination search) or on (Back) in order to quit **Destination search** mode. You will be returned to the window from which you started this mode.

7   Voice Command

Note: The **Voice Command** function is not available in every language.

For languages in which this function is available, the Voice Command button is shown in the **NAVIGATION** window. For languages which are not supported, the Voice Command button is replaced by the Show Map button.

Many functions of your navigation device can be called up conveniently by voice command.

7.1   Use Voice Command

When the functions in a window can be called up by voice command, this is indicated in the top left corner of the window by the symbol

(**Voice command active**).

A single signal tone and the symbol (**Speak**) indicate that the navigation system is waiting for your voice command.

► Say a command.

The positive acknowledgement tone sounds (two high-pitch tones) and the function is executed.

If the navigation system has not understood your instruction or if you do not say anything within a certain time, the negative acknowledgement tone (two short low-pitch tones) will sound.

► Say the command again.

If the navigation system has not understood you after several repetitions, the prompt "Say 'Help'" will appear.

Note: Navigation instructions and warnings are muted for as long as the navigation device expects to receive voice commands from you.

7.2   Help

Say only "Help" if you want to know which voice commands are currently possible. In nearly all windows in which voice commands are supported the navigation system will then tell you which commands you can say in the current window.

7.3   Deactivation of the voice commands function

The voice commands function will be deactivated under the following conditions:

► If you operate the navigation device with your finger while a voice command is expected from you.

► If a call is received and during an active phone call if the navigation device is being used as a hands-free module.

The voice commands function will be activated again as soon as a map reappears.

7.4   Configuring the voice commands function

You can configure for which tasks you want to use voice commands.

► In the **NAVIGATION** window tap on Options > Settings > General > Use Voice Command.

Select the tasks for which you want to use voice command:

► Complete: You can use all the voice command functions.

► Answering: You can enter addresses and answer questions asked by the navigation device.

► Entering Addresses: You can enter only destination addresses with the voice command function.

Note: For details of how to enter the destination address using voice commands refer to the chapter "Selecting the destination address by voice command" on page 29.

The volume of the voice controls assistant can be controlled independently of the volume of the navigation instructions. This means you can still hear the speak prompts when you have muted the navigation instructions.

1. In the **NAVIGATION** window tap on Options > Settings > General > Volume of the Assistant.
2. Select the volume for the assistant.

Note: For details of how to configure the navigation system refer to the chapter "Configuring the NAVIGON 83xx" on page 78.

8 Useful functions

8.1 Nearby

During the navigation, or after having opened the map using the Show Map button, you can have POIs, Favourites and traffic information of the current map view shown in a clearly arranged list.

Note: This function is not available if the map was opened in one of the modes **Destination search**, **Preview** or **Reality View**.

1. Tap on any point on the map.

   The **NEARBY** list opens. It contains POIs, Favourites or traffic messages of the current map view.
2. Tap on an entry in the list in order to receive detailed information about it.

You have the following options:

► Tap on Interim Destination in order to set the selected point as an interim destination. The navigation system will first guide you to this interim destination. Afterwards you can continue navigation to your original destination. The Interim Destination button is available in navigation mode only.

► Tap on Start Navigation in order to navigate to the selected point.

► Tap on Cancel in order to close the list again.

Note: The **Nearby** function is available only if GPS reception is good enough.

8.2   Warn from bends

You can have the *NAVIGON 83xx* give a warning if you approach sharp or narrow bends quickly or too quickly when driving in non-built-up areas.

If you approach a bend quickly or too quickly, the **Bend to the left** or **Bend to the right** symbol will appear in the apex of the bend.

If the navigation system still considers your speed to be critical just

before the bend, then the **Warning - bend to the left** or **Warning - bend to the right** symbol will appear in addition in the upper third section of the left of the screen.

Caution! Warnings of bends do not relieve you of your duty to pay full attention at all times to what is happening on the road. You alone are responsible for adapting your speed to the given conditions at all times.

You can configure the bend warning function at Options > Settings > Navigation > Bend Warning.

8.3   Direct Help

If you arrive at the scene of an accident or have an accident yourself, it may be necessary to call for emergency aid and to give the answering office your current location.

► Tap on Options > Direct Help.

The **DIRECT HELP** window opens.

If GPS reception is good enough, the address and the geographic cooordinates of your current location will be indicated.

► Tap on (Show on Map) if you want to view your current location on the map.

In the bottom half of the window you will find the buttons for 4 categories: Petrol Station, Police Station, Hospital, Pharmacy.

► Tap on the corresponding button.

The nearest help point in the selected category will be indicated. You are shown the name, address, phone number (if known) and distance of the help point from your current location.

You have the following options:

► Tap on the Call button in order to call the number indicated.

The Call button is not available if no phone number is saved for the help point or if the navigation device has no Bluetooth connection to a mobile phone.

► Tap on the Map button in order to see your location and the help point on the map. This gives you an overview of the route to the help point.

► Tap on Start Navigation. You will then be guided directly to the displayed help point.

► You can use the ▲ (Up) and ▼ (Down) buttons to select other help points in the selected category.

The help points are sorted by distance from your current position.

► Use the ◄ (Back) button to return to the **DIRECT HELP** window.

Note: Only those help points are displayed which are situated no further than 30 mi from your position.

8.4 GPS Status, saving the current location

In the **GPS STATUS** window you will find an overview of the data the navigation system calculates from the GPS signals it receives.

The GPS status can be accessed from the options button in many windows.

► Tap on Options > GPS Status.

The current location can be saved in the **FAVOURITES** list.

1. Tap on Save Position.

The **SAVE DESTINATION AS...** dialog box opens.

2. Enter a name for the destination.

3. Tap on Save.

8.5 Block

You can block a leg of the route at any time during a navigation, i.e. to re-calculate the route in order to avoid the leg, e.g. if you have heard on the radio of a traffic jam affecting this section.

Note: The block is valid only for the current navigation. It no longer exists on a new navigation.

You are currently in a navigation. The map is open in **Navigation** mode.

1. Tap on Options.

Buttons with various functions will be displayed.

2. Tap on Block.

The **BLOCK** menu opens. It contains buttons with different distance values.

3. Select the distance you want to block.

Note: If you are currently driving on a motorway, the alternative route will begin at the next exit. Indicated on the buttons is the junction up to which the block extends.

The system recalculates the route. The blocked route section will be avoided. It is marked on the map in red.

Unblocking a route section

► Tap on Options > Unblock.

The block will be lifted. The system recalculates the route. The un-blocked route section can now be integrated into the calculation.

8.6   Turn-by-Turn List

You can display detailed directions of the calculated route before starting navigation or at any time during navigation. This list displays all of the driving instructions in table form.

The map is open in **Preview** mode:

► Tap on Options > Turn-by-Turn List.

The map is open in **Navigation** mode or in **Reality View** mode:

► Tap on Options > Route > Turn-by-Turn List.

The **TURN-BY-TURN LIST** window opens.
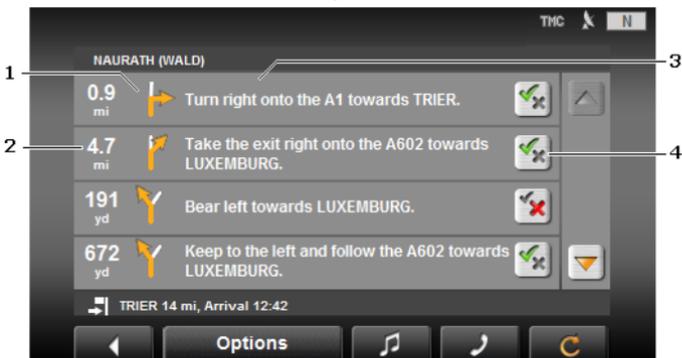
1   Schematic depiction of the next junction where you must make a turn.

2   Distance to this junction.

3   Route instruction and if available the name of the street into which you must turn.

4	Indicates whether you want to drive on the route section in question or not.

 (Allow): The section in question is allowed on the route.

 (Forbid): The section in question is not allowed on the route.

Blocking route sections

1.	Tap on the route sections that you do not want to travel on so that the (Forbid) symbol appears next to them.

2.	Tap on C (Modify Route).

	The navigation system calculates an alternative route avoiding the route sections selected. The new driving instructions are displayed in the **TURN-BY-TURN LIST** window.

3.	Tap on ◄ (Back) in order to close the **TURN-BY-TURN LIST** window again.

Removing blocks and using original routes

Section blocks can be removed at any time.

► In the **TURN-BY-TURN LIST** window, tap on Options > Calculate Original Route.

## 8.7	TMC (Traffic Information)

The integrated TMC receiver enables the navigation system to make use of current traffic messaging. If necessary it can change your route dynamically, for example in order to avoid a traffic jam.

Note: TMC is available free of charge in many European countries. PremiumTMC, promising a faster and more up-to-date service, is offered (exclusively or in addition) in some countries at a charge.

You can subscribe to PremiumTMC services on our website www.navigon.com.

### 8.7.1	Preview TMC

If a new traffic message concerning your route arises while navigation is in progress, the Traffic Information button will appear at the right edge of the screen.

Recalculate Route: Automatically

If you have selected Automatically for the Recalculate Route setting, the button will not show a distance. The traffic obstruction will be avoided automatically.

Recalculate Route: On Request

If you have selected <u>On Request</u>, the distance to the reported traffic obstruction will be indicated on the button. The button will turn red if the distance is less than 30 mi.

► Tap on the (<u>Traffic Information</u>) button.

The **PREVIEW TMC** window opens. It shows a map view with the route section affected by the message. If the reported obstruction is likely to involve a considerable loss of time, a possible detour will also be shown.
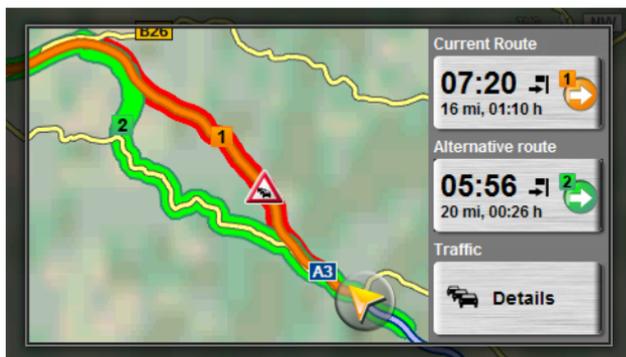
► Tap on the button of the route you want to follow.

- or -

► Tap on the <u>Details</u> button.

The **TRAFFIC INFORMATION** window opens. (Refer to "Displaying traffic information" on page 62)

Note: If you tap on a traffic symbol (in the display:) in the map view of the **PREVIEW TMC**, a window with detailed information about this message will open. (Refer to "Showing a single message in detail" on page 64)

8.7.2 Displaying traffic information

Current traffic information is available via the options button in many windows.

► In the **NAVIGATION** window, tap on <u>Options</u> > <u>Traffic</u>.

The **TRAFFIC INFORMATION** window opens.

You can use the (<u>Up</u>) and (<u>Down</u>) buttons to scroll in the list of messages.

► Tap on (Back) in order to close the **TRAFFIC INFORMATION** window again.

1 The Traffic Information button shows the type of traffic messaging listed and how many messages of this type are in the list.

► Tap on Traffic Information in order to select the messages you want displayed.

2 This mark indicates that the message in question comes from a PremiumTMC provider.

3 Here you can see how serious the obstruction is:

Red: The section is blocked by the obstruction. This can be the case for example with road blocks.

Yellow: The section is not blocked by the obstruction but there is a threat of considerable delays. This can be the case for example with traffic jams or when one of several lanes is blocked off.

No colour: The obstruction is not classified as serious. This can be the case for example when slow-moving traffic is reported on a very short section, when SOS telephones are not working or when parking areas are blocked off.

4 Here you can see how far you are from this obstruction. If the obstruction does not lie on your route or if a detour route was already calculated for this obstruction, then the distance as the crow flies will be shown.

5 Here you can see in which state the obstruction lies.

Note: Most radio stations report only traffic obstructions in their own state.

6 Here the reported obstruction is displayed as a traffic sign.

7 Here the affected road is indicated.

8   Here you can see on which section of the road the obstruction lies.

9   The navigation system can <u>Detour</u> ( ) or <u>Ignore</u> ( ) congestion on the route. The button shows the active status.

> ►   Tap on the button to select the alternative setting.

10   (<u>Show on Map</u>): This button is only available if at least one of the indicated messages concerns your route. Tap on this button in order to open the **PREVIEW TMC** window. (See "Preview TMC" on page 61)

8.7.3 Showing a single message in detail

> ►   Tap on a message to display this information in detail.

The *NAVIGON 83xx* announces the traffic message in question if the detail view is open. The announcement of traffic messages is not possible in every language however.

> ►   Tap on the (<u>Show on Map</u>) button in order to view the section concerned on the map.

8.7.4 TMC Settings

> ►   In the <u>Settings</u> window tap on **TRAFFIC INFORMATION**.

In the **TMC SETTINGS** window you can set the TMC traffic station and configure whether the reception of a traffic message concerning your route should affect your route planning and if so how.

Tuning Mode

Tap on <u>Tuning Mode</u> and select a method for selecting the TMC radio station.

> ►   <u>Automatic</u>: You can use the arrow keys in the station area to select another station. The system will search for another station if reception becomes poor.

> ►   <u>Hold station</u>: You can use the arrow keys in the station area to select another station. The system will search for the same station on a different frequency if the signal becomes poor.

> ►   <u>Hold frequency</u>: You can use the arrow keys in the station area to select another frequency. The system will not search for another station if reception becomes poor.

Recalculate Route

Tap on <u>Recalculate Route</u> and select how new traffic messages concerning your route are to be used.

> ►   <u>Automatically</u>: An alternative route will be calculated automatically. The system will inform you on the recalculation.

► <u>On Request</u>: An announcement from the navigation device tells you that a traffic message concerns your route. On the screen the <u>Traffic Information</u> box indicates the distance to the reported traffic obstruction.

Tap on the <u>Traffic Information</u> box. You can then decide whether an alternative route is to be calculated or not.

8.8 Logbook

You can use the *NAVIGON 83xx* to record a logbook. The logbook is recorded in the "*Logbook.xls*" file. You can open the file with Microsoft Excel. Each recorded trip is added at the bottom of the table as a new entry.

The first time a trip is recorded, the "*Logbook.xls*" file will be created in the "NAVIGON\Logbook" folder. If you delete or move this file, a new file will be created when you next record a trip.

Recording trips

You can have all trips recorded automatically.

1. In the **NAVIGATION** window tap on <u>Options</u> > <u>Settings</u> > <u>Navigation</u>.
2. Set <u>Logbook</u> to <u>Yes</u>.
3. Tap on <u>OK</u>.

Every trip from now on will be recorded until you reset <u>Logbook</u> to <u>No</u>. It is possible, however, to exclude individual trips from the recording.

Before a trip

If your trips are recorded in the logbook, a window for entering the trip's key data is opened before navigation starts. You can also decide, however, not to record the trip in question.

► If you do not want to record the trip in question, tap on (<u>Cancel</u>).

- or -

1. In the <u>Reason for the Trip</u> box select a reason for the trip from the list of possibilities.
2. Enter a name for this entry, e.g. "Trip to customer X", in the <u>Logbook Entry</u> box.
3. Enter the mileage.

9 Handsfree Module

The hands-free function allows you to use the *NAVIGON 83xx* as a hands-free module for your mobile phone.

Opening the hands-free module

► In the **START** window, tap on <u>Phone</u>.

- or -

► Tap in the navigation application on [icon] (<u>Phone</u>).

The **HANDSFREE MODULE** window opens.

Operating the hands-free module

You can adjust the volume of the hands-free module independently of the volume of the navigation system. For details of how to adjust the volume refer to "Volume" on page 18.

► Tap on [icon] (<u>Music</u>) in order to move the MP3 player into the foreground.

► Tap on [icon] (<u>Navigation</u>) in order to move the navigation application into the foreground.

► Tap on [icon] (<u>Back</u>) in order to close the hands-free module and return again to the previously opened window.

9.1 Connecting to a telephone

The *NAVIGON 83xx* must be connected to a mobile phone in order for you to use the telephone functions.

If the *NAVIGON 83xx* was last connected to the same mobile phone, the connection will be established without further prompting.

Problems occurring when trying to establish a Bluetooth connection can have various causes:

► Bluetooth is dectivated in the hands-free module of the *NAVIGON 83xx*.

Activate Bluetooth. Make sure that the *NAVIGON 83xx* can be detected by other Bluetooth devices. (Refer to "Bluetooth Settings" on page 70)

► Bluetooth is deactivated on the mobile phone or it is set to "Hidden".

Activate Bluetooth on your mobile phone. Make sure that your mobile phone can be detected by other Bluetooth devices

For more details refer to your mobile phone manual.

► It may be that the *NAVIGON 83xx* was never connected to your mobile phone before.

Initiate the connection manually. (Refer to "Connection with Mobile Phone" page 71)

If the *NAVIGON 83xx* is still unable to establish a Bluetooth connection to your mobile phone, contact your mobile phone manufacturer's customer support.

9.2   Taking a call

When you receive a call, the **INCOMING CALL** window will open. You will be asked whether you want to take the call. The name and the number of the caller will be displayed if this information is available.

► Tap on <u>Yes</u> if you want to take the call.

The **CALL IN PROGRESS** window opens.

► Tap on <u>No</u> if you do not want to take the call.

Note: Play-back of the MP3 player and the navigation instructions are muted during a call.

9.3   Making a call

With the *NAVIGON 83xx* you can make a call in various ways:

Note: Play-back of the MP3 player and the navigation instructions are muted during a call.

9.3.1   Dialling a telephone number

1. In the **HANDSFREE MODULE** window tap on <u>Keyboard</u>.
2. Enter the desired telephone number.
3. Tap on the <u>Dial Number</u> button.

9.3.2   Dialling a Speed Call number to call home

You can configure 4 Speed Call buttons.

► Tap in the **HANDSFREE MODULE** window on the corresponding Speed Call button.

Note: If no number has been entered for the Speed Call button selected or if no Bluetooth connection has been established to a mobile phone, the **MODIFY PRESET** window will open.

For more details refer to chapter "Preset" on page 69.

9.3.3   Calling a contact from the phone book

You can select numbers from the phone book of the mobile phone to which the *NAVIGON 83xx* is connected.

1. In the **HANDSFREE MODULE** window tap on <u>Phone Book</u>.

2. Tap on the contact you want to call.

    If more than one phone number is saved for this contact, a list with all the phone numbers saved for the contact will open.

3. Tap on the number you want to dial.

Note: The phone book is not copied permanently to the navigation device. It is available to the hands-free module only for as long as it is connected to the mobile phone.

9.3.4   Calling most recently dialled, received or missed numbers

Note: The **RECENT CALLS** list contains outgoing, incoming and unanswered calls. Incoming and unanswered calls can be dialled only if the caller's number was transmitted.

1. In the **HANDSFREE MODULE** window tap on Recent Calls.

2. Tap on the entry you want.

Note: The **RECENT CALLS** list is not copied permanently to the navigation device. It is available to the hands-free module only for as long as it is connected to the mobile phone.

9.3.5   Transferring a call from your mobile telephone

The *NAVIGON 83xx* takes calls automatically from the mobile phone as soon as a Bluetooth connection is established between the two devices.

9.4   During a call

You are calling using the hands-free module. The **CALL IN PROGRESS** window is open.

9.4.1   Moving the navigation application to the foreground

You can move the navigation application to the foreground at any time. In this way you can have the map in the foreground during a call when the *NAVIGON 83xx* is in the process of navigating.

► Tap on the ⬛⬛⬛ (Navigation) button.

While a call is in progress, the 📱 icon (Call in Progress, green mobile phone) is visible in the top right corner of the display.

► Tap on the ⬛⬛⬛ button (Phone) in order to open the **CALL IN PROGRESS** window again.

9.4.2   Entering numbers

You can enter numbers during a call. This may be the case, for example, if a further connection via a telephone system is necessary.

1. Tap on Keyboard.
2. Enter the desired numbers.
3. Tap on ◄ (Back) in order to open the **CALL IN PROGRESS** window.

9.4.3   Transferring a call to the mobile phone

► In the **CALL IN PROGRESS** window, tap on Options > Use Mobile Phone.

Pick up the mobile telephone and continue the call.

9.4.4   Ending the call

► Tap in the **CALL IN PROGRESS** window on the Hang up button in order to end the call.

9.5   Configuring the hands-free function

The hands-free module of the *NAVIGON 83xx* contains a number of settings that can be individually configured.

For information about configuring the settings in this window refer to "Configuring the NAVIGON 83xx" on page 78.

9.5.1   Preset

The hands-free module of the *NAVIGON 83xx* contains four Speed Call buttons that can be individually configured.

1. In the **HANDSFREE MODULE** window, tap on Settings > Preset.

The **MODIFY PRESET** window opens.

2. Tap on the Speed Call button that you want to edit.

Entering a new Speed Call number or editing an existing Speed Call number

3. Tap on the Edit button.
4. Enter the name and the number for the selected Speed Call button or edit the existing name and number.
5. Tap on OK.

Adopting a number from the phone book of the mobile phone

3. Tap on the From the phone book button. This button is deactivated when no connection exists to a mobile phone.

4. Tap on the entry you want to adopt for the Speed Call button.

5. Tap on OK.

Deleting a Speed Call number

3. Tap on the Delete button.

4. Confirm that you want to delete the Speed Call number.

The **MODIFY PRESET** window opens again. No phone number and no name exist any longer for the selected Speed Call button.

9.5.2 Handsfree Settings

In the **HANDSFREE SETTINGS** window you can configure the settings for the phone functions of the hands-free module of your *NAVIGON 83xx*.

► In the **HANDSFREE MODULE** window, tap on Settings > Handsfree Settings.

The **HANDSFREE SETTINGS** window opens.

Volume of the Phone Call: The volume of the call can be adjusted independently of the volume of the navigation application and the MP3 player.

9.5.3 Bluetooth Settings

► In the **HANDSFREE MODULE** window, tap on Settings > Bluetooth Settings.

The **BLUETOOTH SETTINGS** window opens.

Bluetooth Function: Select whether you want to activate the Bluetooth function (Yes or No).

The hands-free module cannot connect to a mobile phone if the Bluetooth function is deactivated.

Discoverable by Others: Select whether other Bluetooth-capable devices (in particular mobile phones) should be able to detect the *NAVIGON 83xx* (Yes or No).

Reconnect Automatically: Select whether the connection to the last connected phone is to be restored automatically (Yes or No).

Example: The connection is interrupted as soon as you leave the vehicle. It can be restored as soon as you approach the vehicle again.

Note: The settings <u>Discoverable by Others</u>, <u>Others May Connect</u> and <u>Reconnect Automatically</u> are effective only when the Bluetooth function is activated.

Note: A Bluetooth connection can be established from the mobile phone only when the settings <u>Bluetooth Function</u>, <u>Discoverable by Others</u> and <u>Reconnect Automatically</u> were all selected with <u>Yes</u>.

9.6 Connection with Mobile Phone

Note: The Bluetooth functions of both the *NAVIGON 83xx* and the mobile phone must be configured accordingly in order for a Bluetooth connection to be established between the two devices.

For details of how to configure the *NAVIGON 83xx* refer to chapter "Bluetooth Settings" on page 70.

For details of how to configure the mobile phone refer to the related manual.

The *NAVIGON 83xx* can establish a connection to only one Bluetooth-capable mobile phone.

As a rule the *NAVIGON 83xx* will automatically establish a connection to a mobile phone to which it was once connected already. However, you can also use this function to establish a connection to a different mobile phone while a connection between the *NAVIGON 83xx* and a mobile phone already exists.

9.6.1 Establishing a connection from the navigation device

1. Make sure that the Bluetooth function is activated on both the mobile phone and the *NAVIGON 83xx*.

2. In the **HANDSFREE MODULE** window, tap on <u>Settings</u> > <u>Connection with Mobile Phone</u> > <u>New Connection</u>.

   The navigation device looks for Bluetooth devices and lists all the devices it recognises.

3. Tap on the name of your mobile phone.

   The navigation device prompts you to enter a password.

4. Enter a four-digit password (any digits) in the <u>Key</u> box and tap on <u>OK</u>.

   Your mobile phone prompts you to enter a password.

5. Enter the same password as on the *NAVIGON 83xx*.

   On the *NAVIGON 83xx*, the **SETTINGS BT** window opens. A connection is established between the two devices.

   Tap on <u>◄</u> (<u>Back</u>) in order to return to the **HANDSFREE MODULE** window.

9.6.2 Establishing a connection from the mobile phone

Note: Please consult the mobile phone's manual if you are uncertain about how to carry out the following steps on the mobile phone.

1. Make sure that the Bluetooth function is activated on both the mobile phone and the *NAVIGON 83xx*.
2. Using your mobile phone, search for other Bluetooth devices.

   The navigation device is detected as **NAVIGON**.
3. Initiate a connection to the detected **NAVIGON** device.

   The mobile phone prompts you to enter a password.
4. Enter a four-digit password (user-defined).

   The *NAVIGON 83xx* prompts you to enter a password.
5. Enter the same password in the Key box as on the mobile phone and tap on OK.

   The **HANDSFREE MODULE** window opens. A connection is established between the two devices. The name of the connected mobile phone is displayed at the bottom edge of the screen.

9.6.3 Terminating the connection and deleting the connection data

You can terminate the connection between the *NAVIGON 83xx* and the mobile phone at any time.

Note: You don't need to terminate the connection manually. The connection is terminated automatically when the mobile phone is moved a distance of approximately10 m from the *NAVIGON 83xx*. In this case the connection data are saved so that the connection can be restored automatically when the mobile phone is close enough to the *NAVIGON 83xx* again.

1. In the **SETTINGS BT** window, tap on Connection with Mobile Phone > Clear Connection Data.

   You will be prompted to confirm that you want to terminate the connection.
2. Tap on the OK button.

Note: After the connection is terminated, the *NAVIGON 83xx* is no longer able to establish an automatic connection to a mobile phone, including the same mobile phone as for the last connection.

You must establish the next connection to a mobile phone manually (refer to chapter "Connection with Mobile Phone" on page 71).

10   Music

The *NAVIGON 83xx* can play back audio files which have been saved on the memory card with the navigation application.

Note: Listening to music too long and too loud can damage your hearing. Do not hold the loudspeaker of the *NAVIGON 83xx* directly against your ear!

10.1   Suitable files

The MP3 player can play back MP3 files and WMA files. Files which are playback-protected in any way (DRM, Digital Rights Management) cannot be played back.

10.2   Opening the MP3 player

When the **START** window is open:

►   Tap on Music.

When the hands-free module or the navigation application is open:

►   Tap on the [icon] (Music) button, which is located at the bottom edge of many windows.

The MP3 player cannot be opened in the picture viewer or the FM transmitter.

10.3   Selecting an audio file

►   In the **MUSIC** window, tap on Folder.

The **CURRENT FOLDER** opens. The name of the current folder is indicated at the top. Files and sub-folders are listed underneath. They are identified as follows:

Audio File: Only those files are shown which can be played back by the MP3 player. (Refer to "Suitable files" on page 73)

Folder: The sub-folders of the current folder are shown.

►   Tap on a sub-folder in order to open it.

Note: If the sub-folder has no playable audio files or no sub-folders, it cannot be opened.

►   Tap on [icon] (Up one level) in order to open the next higher folder.

►   Tap on an audio file in order to play it back.

► Tap on <u>Cancel</u> in order to close the **CURRENT FOLDER** window without selecting a file.

10.4   Operating the MP3 player

Information area

Three music items are always displayed in the information area of the **MUSIC** window:

► Title last played: position of the file in the folder, name of the title, performer

If no title was played yet, the last title in the current folder will be shown here.

► Current title: name of the album, position of the file in the folder, name of the title, performer, progress and duration

The title that is currently being played back or that will be played

back when you tap on ▷ (<u>Play</u>).

► Next title: position of the file in the folder, name of the title, performer

If there is no next title, the first title in the current folder will be displayed.

If the name of the album and the performer cannot be read out of the file, they will not be displayed.

If the name of the title cannot be read out of the file, the name of the fille will be displayed instead.

Controls

▷ <u>Play</u>: Plays back the current title.

▮ <u>Stop</u>: Stops the play-back.

▮▮ <u>Pause</u>: Interrupts the play-back.

▮◁◁ <u>Rewind</u>: Tap briefly: jumps to previous title.
Press and hold: fast rewind in the current title.

▷▷▮ <u>Fast forward</u>: Tap briefly: jumps forward to the next title.
Press and hold: fast forward in the current title.

◀ <u>Back</u>: Moves the application from which you opened the MP3 player to the foreground. If play-back is in progress, it is not terminated.

Play-back mode

The MP3 player plays all titles in the current folder in ascending order.

Note: When all the titles have been played, play-back will continue from the beginning. To interrupt the play-back of audio files you must tap on (Stop) or (Pause).

► Tap on (Shuffle Mode) in order to play back the titles in random order.

► Tap on this button again in order to play back the titles again in ascending order.

10.5 Music in the background

When the MP3 player is playing back an audio file and a different application is moved to the foreground, the MP3 player behaves as follows:

Start **window**

Play-back of the file continues.

Navigation Application in the foreground

Play-back of the file continues. If driving instructions are announced during navigation, the volume of the MP3 player is lowered for the duration of the announcement. This does not apply when the volume of the MP3 player is very low.

Handsfree Module in the foreground

When an incoming call is signalled or when you establish a connection, play-back of the file is interrupted. It will be continued automatically when the call has ended.

Picture Viewer in the foreground

Play-back of the file continues.

FM Transmitter in the foreground

Play-back of the file is interrupted only to transmit a test signal; it is then continued automatically.

11 Pictures

The *NAVIGON 83xx* can display image files which are saved on the memory card with the navigation software.

11.1 Suitable files

The picture viewer can show JPG files, PNG files and GIF files (no animated GIF files).

11.2 Opening the picture viewer

You can open the picture viewer only from the **START** window.

► Tap on Pictures.

11.3 Selecting an image file

► In the **PICTURES** window, tap on Folder.

The **CURRENT FOLDER** opens. The name of the current folder is indicated at the top. Files and sub-folders are listed underneath. They are identified as follows:

Picture File: Only those files are listed which can be shown by the picture viewer. (Refer to "Suitable files" on page 73)

Folder: Sub-folders of the current folder are displayed.

► Tap on a sub-folder in order to open it.

Note: If the sub-folder contains no suitable image files or sub-folders, it cannot be opened.

► Tap on (Up one level) in order to open the next higher folder.

► Tap on an image file in order to show it.

► Tap on Cancel in order to close the **CURRENT FOLDER** window without selecting a file.

11.4 Operating the picture viewer

Information area

The current image file and its file name are displayed in the information area in the **PICTURES** window.

Controls

Full Screen: Shows the current picture as large as possible.

Next: Loads the next picture in the current folder.

Back: Loads the previous picture in the current folder.

Slide Show: Shows all the pictures in the current folder one after the other.

Exit: Closes the picture viewer.

11.5   Play-back mode

From the **PICTURES** window you can start two play-back modes.

Full Screen

► Tap on   (Full Screen).

The picture is scaled to its maximum size. You can use the

button (Next) and the   button (Back) to switch to the other pictures in the current folder.

► Tap on the picture in order to close complete picture mode.

Slide Show

► Tap on   (Slide Show).

Starting with the current picture, all the pictures in the current folder are shown for several seconds one after the other. The pictures are scaled to their maximum size. When all the pictures in the current folder have been shown, the presentation continues from the beginning.

► Tap on the middle of the picture in order to close the show again.

12   FM Transmitter

With the FM transmitter you can listen to all audio outputs from the *NAVIGON 83xx* over the loudspeakers of the car radio. This applies to the navigation instructions, music from the MP3 player and phone calls with the hands-free module.

Caution! Operation of the FM transmitter is not allowed in the following countries:
France, Greece, Italy, Ireland, Latvia, Malta, Norway, Slovakia, Hungary and Cyprus.

Caution! Before you use the FM transmitter in another country, find out about the regulations in force there. In some countries it is against the law to operate FM transmitters.

Switching on the FM transmitter

1. In the **NAVIGATION** window, tap on Options > Settings > Options > FM Transmitter.
2. Tap on On.
3. Follow the instructions on the screen.

Note: The frequency selected in the **FM TRANSMITTER** window must be set on the car radio. The navigation device must not be too far from the vehicle antenna because the FM transmitter has a transmission range of only a few metres.

Switching off the FM transmitter

1. In the **NAVIGATION** window, tap on Options > Settings > Options > FM Transmitter.
2. Tap on Off.

12.1   Configuring the FM transmitter

► In the **FM TRANSMITTER** window, tap on Options > Settings.

The **SETTINGS** window opens.

Standard: Select the settings to be used by the FM transmitter for transmission (Europe or USA).

Caution! These standards differ, for example in the powers of transmission they define. Please note that you are not permitted to transmit with the USA setting in the countries of the European Union.

13   Configuring the NAVIGON 83xx

The **SETTINGS** window is the point from which you can start customising the *NAVIGON 83xx* to match your personal preferences.

Settings can be accessed via the options in the **NAVIGATION** window and via the options in many windows of the navigation application.

► Tap on Options > Settings.

The **SETTINGS** window of the navigation application has several buttons: Navigation, Route Profile, Map Display and General.

► Tap on a button to open the corresponding settings window.

The settings of the individual windows are distributed over several screen pages. You can toggle between these pages with the

◄ (To the Left) button and the ► (To the Right) button.

Some settings can have only one of two values. These settings can be recognised by the (Toggle button). All possible values are visible. The currently valid value is highlighted in white.

► Tap on (Toggle) in order to switch between the possible values.

Some settings can accept several different values. These settings can be recognised by the (List) button. The currently valid value is visible.

1. Tap on (List).

   A list with all possible values opens. The currently valid value is marked.

2. Tap on the value you want. It is now marked.

3. Tap on OK.

   The list closes. The new value is indicated.

For each setting there is a (Help) button. When you tap on it you will see an exact definition of the setting in question.

You can close the settings windows in two ways:

► Tap on OK.

   Any changes you have made will be adopted.

► Tap Cancel.

   Any changes you have made will not be adopted.

14   Appendix

14.1   Technical data

Dimensions		134.5 x 84.4 x 21.9 mm
Weight		approx. 265 g
Operating conditions	Operating temperature	-10°C to 60°C (14°F to 140°F)
	Storage temperature	-30°C to 70°C (-22°F to 158°F)
	Humidity	0% to 90%, non-precipitating
CPU		Samsung 2443-533Mhz
Operating system		Microsoft Windows CE 5.0
Display		4.8" LCD colour display with resistive touch-panel 480 x 272 pixels (WQVGA) Landscape format, transmissive
Memory	ROM	512 MB
	RAM	128 MB
GPS		Yes (SiRF GPS III, 20 channels) Built-in antenna Socket for external antenna
TMC		Yes
FM Transmitter		Yes
Device keys		5 (*On/Off*, *Back*, *Quieter*, *Louder*, *Volume on/off*)
I/O	Stylus	Plastic stylus
	Keyboard	Software keyboard
	Loudspeaker	Yes
	Microphone	Yes
	Headset	3.5 mm phone jack
	Memory card	SD, SDHC, MMC
	USB	USB 2 0
	Bluetooth	Integrated (CSR Bluecore 4)
Power supply		Via USB socket or via cradle
Rechargeable battery	Type	Li-Ion, 1500 mAh
Charging	Electronic	Integrated
	Duration	approx. 4-5 hours
Mains adapter	Input	100-240V ~ (alternating current, AC)
	Output	1A, 5V = (direct current, DC)
	Operating temperature	0°C to 40°C (32°F to 104°F)
Car charger cable	Input	10-30V = (direct current, DC)
	Output	1A, 5V = (direct current, DC)
	Operating temperature	-10°C to 60°C (14°F to 140°F)

14.2   Identification and serial number

The navigation device has various identification labels underneath the rear cover (e.g. CE label, serial number, ...)

If you need to see any of these labels, proceed as follows:

1. Switch off the navigation device.
2. Take the stylus and the memory card out of the device.
3. With your thumbnail in the slot on the bottom of the device, pull the rear cover off the device.

To close the rear cover again:

1. Place the cover correctly in position.
2. Push the cover firmly against the device until it latches home in all corners.
3. Re-insert the stylus and the memory card.

Note: We recommend that you remove the rear cover only when told to do so by our service staff.

14.3   Declaration of conformity

The *NAVIGON 83xx* device described in this manual bears the following labels:

$$C\,E\ \ 1177\ \ \textcircled{!}$$

It is authorised for operation in the countries of the European Union, Switzerland, Norway and the countries of North America.

NAVIGON AG declares herewith that the *NAVIGON 83xx* device conforms with the Radio & Telecommunication Terminal Equipment Directive (R&TTE) (1999/5/EEC).

The direction of conformity can be found at the following Internet address:

http://navigonuk.custhelp.com/cgi-bin/navigonuk.cfg/php/enduser/std_adp.php?p_faqid=222

The manufacturer is not liable for modifications made by the user which may alter the device's conformity with the CE label, nor for the consequences thereof.

15   Troubleshooting

In this chapter you will find solutions to problems which may arise during use of the *NAVIGON 83xx*.

This list does not claim to be complete. Answers to many other questions can be found on the NAVIGON AG website. (See "Questions about the product" on page 8)

I have inserted the NAVIGON 83xx in the car cradle and connected the car charging cable to the device. Still no charging takes place.

Power supply will only be possible via the cradle when the navigation device is inserted. The device's USB socket will then be out of function.

I have connected a charger to the NAVIGON 83xx. A connection to a computer is shown on the display.

- or -

I have connected the NAVIGON 83xx to a computer but it is not detected as a removable disc.

The USB connector of the charger is not fully inserted in the case.

1.   Unplug the connector.

The navigation device will carry out a new start. Wait for the software to be reloaded.

2.   Without delay, insert the USB connector from the charger into the corresponding socket of the *NAVIGON 83xx* as far as it will go. (See "Description of the NAVIGON 83xx" on page 9)

The USB connector is not connected correctly. See above.

I have changed the language for the use interface and now there are different buttons in the Navigation window.

The **Voice Command** function is not available for every language.

In the languages for which this function is not available, the Voice Command button is replaced by the Show Map button.

I am not receiving any navigation instructions.

- or -

I want to listen to music but am getting no sound.

Possible causes and their remedies:

►   The FM transmitter is in operation but the car radio is off or tuned to a different frequency.

Switch off the FM transmitter. (See "FM Transmitter" on page 77)

►   The *NAVIGON 83xx* is muted.

Press the ✖ (*Volume on/off*) key. (See "Description of the NAVIGON 83xx" on page 9)

The software does not respond any longer. The screen is frozen.

- or -

The software responds strangely to my entries.

Carry out a device reset. All the internal components of the navigation device will be reset as the result.

1. With the ⏻ (*On/Off*) key pressed and held, press the RESET key simultaneously. (This key is countersunk. Use the stylus or a paper-clip.)

   The device will switch off. Wait a few seconds.

2. Press the ⏻ (*On/Off*) key in order to switch the device back on again.

   The software will now be reloaded. As soon as the **START** window appears, you can use the device again.

The navigation device won't switch on.

Possible causes and their remedies:

► The navigation device hasn't been used for a long time. The battery is flat.

   Charge the battery of the *NAVIGON 83xx* for a few minutes before you switch it on.

► The navigation device is very cold.

   Insert the *NAVIGON 83xx* into the cradle. Make sure that the power supply is connected before you switch on the device.

I want to dial a number from the phone book of my mobile phone with the NAVIGON 83xx. The mobile phone tells me that the data transmission was successful but the NAVIGON 83xx is still not ready to dial.

The *NAVIGON 83xx* has to convert as well as import the data. This can take a lot of time particularly with large phone books.

You can also dial the number with the mobile phone and then transfer the call to the *NAVIGON 83xx*. (Refer to "Transferring a call from your mobile telephone" on page 68)

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