

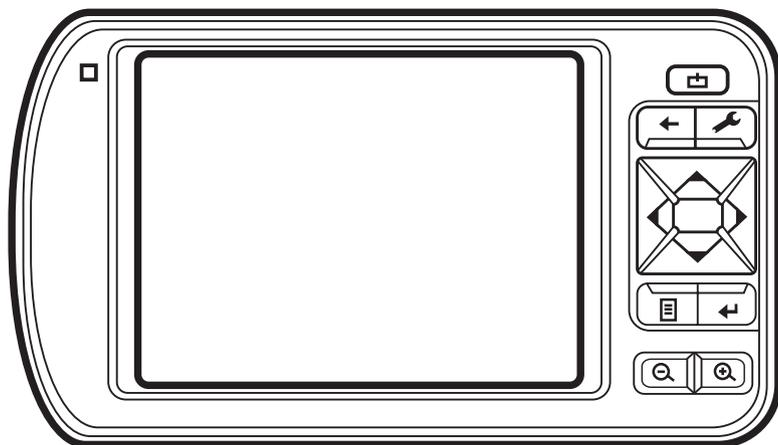


CALNAV

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OWNER'S MANUAL

Global Positioning System



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SAFETY INFORMATION

Safety Instructions

Please read this section carefully and follow all the instructions given. This will help to ensure reliable operation and extend the service life of your device.

Keep the packaging and the user instructions for future reference or inquiries. If you pass the article on to another person, you must pass on these instructions, too.

- Never open up the housing of the device or the AC adaptor. These do not contain any serviceable parts. If the housing is opened there will be danger to life from electric shock.
- Do not place any objects on the device and do not exert any pressure on the display. Otherwise there is a danger that the screen will break.
- To avoid damages, do not touch the screen with sharp objects. Use only the stylus provided.
- There is a risk of injury if the display breaks. If this should occur, use protective gloves to pack the broken parts and contact customer support to arrange for disposal. Then wash your hands with soap, since there is a possibility that chemicals may have escaped.
- Never allow children to play with electrical equipment unsupervised. Children may not always correctly recognise possible danger.
- Remove the AC adaptor from the outlet, switch off the device immediately, or do not actually switch it on, and contact customer service.....if the AC adaptor or the attached plug become scorched or damaged.
...if the housing of the device or the AC adaptor becomes damaged or fluids leak into it. Components must be checked by customer service in order to avoid damage!

Data Security

- Every time you update your data, make backup copies on an external storage medium. The supplier does not assume liability for data loss or damage to data storage units, and no claims can be

accepted for damages resulting from the loss of data or for consequential damages.

Operating Environment

- Keep your navigation system and all connected devices away from moisture and avoid dust, heat and direct sunlight, especially in the car.
- Make sure to protect your device against getting wet (e.g. from rain and hail). Please note that moisture can even build up in a protective bag because of condensation.
- Avoid heavy vibrations and shaking.
- Make sure that the device cannot releasing itself from its holder, for example when braking. Install the device as vertically as possible.

Failure to follow these instructions may cause damages to your device.

Ambient Temperature

The device is most reliably operated at an ambient temperature of between 41°F to 104°F (5°C to 40°C) and at a relative humidity of between 10% to 90%.

- In the powered down state the device can be stored at between 32 °F to 140 °F (0 °C to 60 °C).
- Always store the device in a safe place to avoid high temperatures (e.g. when parking or from direct sunlight).

Electromagnetic Compatibility

- When connecting additional or other components the "Electromagnetic Compatibility Directive" (EMC) must be adhered to. Please also note that only screened cable (maximum 10 ft.) should be used with this device.

For optimal performance, maintain a distance of at least 10 ft. from sources of high-frequency and magnetic interference (televisions, loudspeaker systems, mobile telephones and so on). This will help to avoid malfunctions and loss of data.

Battery Operation

Your device is operated with a battery. In order to prolong the life and efficiency of your battery and to ensure safe

SAFETY INFORMATION

operation follow the instructions below:

- **Warning:** Danger of explosion if rechargeable batteries are not charged properly.
- Batteries cannot withstand heat. Avoid the device and the integrated battery becoming overheated. Failure to comply with this instruction may lead to damage to and even explosion of the battery.
- Only use either the original AC adaptor or the car adaptor from the optional navigation kit to charge the battery.
- The batteries are special category waste. When disposing of the device ensure that this is done correctly. For more details, please contact customer service.

Care of the Display

- Avoid scratching the display surface as this is easily damaged. It is strongly recommended to use a display protection foil to avoid scratches. Please ask your nearest dealer for this accessory. The foil on the display at delivery is solely for protection during transportation!
- Ensure that no traces of water remain on the screen. Water can cause irreversible discoloration.
- Only use a soft, lint-free cloth to clean the screen.
- Do not expose the screen to either strong sunlight or ultraviolet radiation.

Transport

If you wish to transport the device, please follow the instructions below:

- After transporting the device wait until the unit has acclimatised before using it.
- In case of wide fluctuations in temperature or humidity, condensation or moisture may form inside the device which can cause an electrical short-circuit.
- In order to protect the device from dirt, shock and scratching, use a protective case.
- Before travelling, make sure that you are informed about the power and communications provision at your

destination. Before travelling obtain any power or communications adaptors (modem, LAN, etc.) that may be needed.

- When shipping your device, only use the original packaging and advise the carrier accordingly.
- When passing through the hand luggage control at airports, it is recommended that you pass the device and all magnetic storage media (e.g. external hard drives) through the X-ray system (the machine on which you place your bags). Avoid the magnetic detector (the structure through which you pass) or the magnetic wand (the hand device that the security staff use), since this may corrupt your data.

Connection

When connecting your device, please make sure to follow the instructions below very carefully:

- The outlet must be near the device and must be easily accessible.
- Only connect the AC adaptor to grounded sockets operating at 100-240V~AC, 50/60Hz. If you are unsure about the mains supply to the place of use, ask the relevant energy supplier.
- Only use the original AC adaptor provided with your device.
- For additional safety, we recommend the use of a surge protector in order to protect your device from voltage spikes or lighting strikes on the mains supply.

Power Through Car Adaptor

- The car adaptor should only be connected to the cigarette lighter socket

Cabling

- Arrange cables in such a way that no-one can tread on them or trip over them.
- Do not place any objects on the cable.

WARNING

When the unit is not in use for a long time, please recharge the battery every now and then, otherwise the battery lifetime would be shortened.

INSTALLATION

The following instructions guide you step by step through the initial setup of the navigation system.

Firstly, remove the foil for protecting the device during transportation from the display.

Switch on the navigation system.

Set the battery switch (15) on the bottom of the device to the **ON** position.

Attention: Always leave the battery switch on the **ON** position, unless you want to perform a new reinstallation. If the switch is set to the **OFF** position, all data will be lost and you will have to perform the initial installation again.

The initial installation of the navigation system is started automatically. The brand logo appears and after a few seconds your device displays the application screen.

Date and time are set by means of the **Setting button** (4) and the **date/time** control button. Set the applicable time zone, if available.

Attention: According to the charging status of the installed battery it is necessary for the device to be charged before the initial setup can be performed.

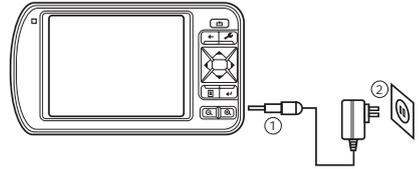
Charging the Battery of the Navigation System

Note: When charging the battery, please ensure that the battery switch is set to the **ON** position. During charging the battery charge indicator lights red.

You have different possibilities to charge the battery of your navigation system:

- By means of the AC adaptor.
- By means of the car charger.
- The battery charge indicator lights red until the navigation system is fully charged, then the battery indicator turns green. Do not interrupt the charging process before the battery is fully charged, which will take a few hours.
- **Note:** You can use the navigation system during the charging process, but the power supply must not be interrupted during initial setup.
- Leave the AC adaptor connected to the navigation system until the battery is fully charged.

- You can leave the AC adaptor connected, which is very convenient for continuous operation. Please note that the AC adaptor also consumes power even if it is not charging the battery of the navigation system.



Slide the connector converter into the guide on the right side of the AC adaptor. Plug the AC adaptor (2) in an outlet that is easily accessible.

Connect the cable of the AC adaptor (1) to the AC adaptor port of the navigation system.

Working with Memory Cards

Your navigation system supports SD (Secure Digital) memory cards.

Inserting memory cards:

1. Carefully take the memory card out of its packaging (if included). Make sure not to touch or dirty the contacts.
2. Push the memory card carefully into the card slot. The labelled side of the memory card must point upwards. The memory card should slightly lock in place.

Removing Memory Cards

- Do not remove the memory card while it is accessed. This could result in loss of data.
1. To remove the card lightly press it into the device the upper edge until it ejects.
 2. Pull out the card without touching the contacts.
 3. Store the memory card in the packaging or in another safe place.
- Memory cards are very fragile. Take care not to dirty the contacts and not to force the card.

INSTALLATION

Accessing Memory Cards

- Your device only supports memory cards in the FAT16/32 file format. If you insert a card formatted with a different format (e.g. in cameras, MP3 players), your navigation system may not recognise it and will ask you to format it again.

Warning: Formatting the memory card irretrievably wipes out all data.

- Likewise you cannot just copy files to the memory card. In some cases they must be converted by the Microsoft ActiveSync programme.

Data Exchange via Card Reader

You can transfer or synchronise data via ActiveSync. Particularly, this is the correct method if files to be transferred must be converted into a system your navigation system can read.

However, if you wish to copy large quantities of data (e.g. navigation maps) to the memory card, these can also be stored directly to the memory card. Many computers already have memory card devices. Just insert the card into it and copy the data directly to the card. Due to the direct access significantly faster transfer will be achieved.

Resetting the Navigation System

There are two options for resetting the navigation system.

Soft Reset

This option restarts the navigation system, without reinstallation being necessary. A soft reset is often used in order to reorganise the memory. In doing so all programmes that are running are interrupted and the working memory is reinitialised.

Choose this option if your navigation system is not responding or working properly.

Perform the soft reset as follows: Carefully press the top of the stylus-pen into the reset opening on the lower side of your device.

Hard Reset

Warning: A hard reset deletes all data on your device and causes a new initial

installation. It is, however, unnecessary to install the software on your synchronisation computer again. Perform the hard reset as follows: Initially, slide the battery switch on the bottom of the device to the OFF position and back to ON after two seconds.

Safety Instructions for Navigation

The supplied product CD contains a comprehensive instruction manual.

Tips for Navigation

- Do not manipulate the navigation system while driving to protect yourself and others from accidents!
- In the event that you do not understand the voice instructions or if you are in any doubt about what to do at the next intersection, then the map or arrow display will provide you with a quick orientation. Only look at the display when you are in a safe driving situation!
- Attention: The actual road conditions and driving rules take precedence over the instructions of the navigation system. Only follow the instructions when circumstances and driving rules permit it! The navigation system will guide you to your destination even if you have to deviate from your planned route.
- The direction instructions given by the navigation system do not release the driver of the vehicle from his or her duty of care or personal responsibility.
- Plan routes before you leave. If you want to calculate a new route whilst on the road, please stop driving.
- In order to receive the GPS signal correctly remove all metal objects that may interfere with reception. Attach the navigation system onto the inside of the windscreen or near the windscreen with the suction plate. Try out different positions in your vehicle in order to find the best possible reception.

Notes for Using the Device in a Vehicle

- When installing the car holder, make sure that it does not present any risk to safety, even in the case of an accident.
- Ensure that the cable does not obstruct

INSTALLATION

any safety components.

- The display of your navigation system may show “light reflexions”. Please make sure of not being “blinded” during operation.
- Do not mount the components within the airbag deployment zones.
- Check the secure adherence of the suction cup at regular intervals.
- The power plug will consume power, even if no device is connected. Remove it when not in use to avoid draining the battery.
- Check all safety equipment in your car after installation.

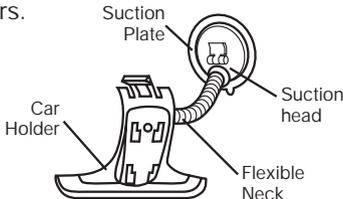
Additional Notes for Using the Navigation System on a Bike

- Make sure during installation that the ability to steer is not impaired.

Mounting the Navigation Set in a Car Attention! Only fix the holder for the navigation system to the windscreen, if it does not impede the view. Should this not be possible, then mount the holder with the enclosed suction plate in any way that will allow peril-free and safe operation.

Installing the Car Holder

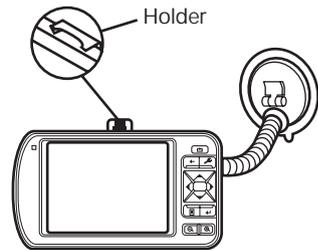
- Note: If you want to fix the car holder to the windscreen, you can skip step 1 and 2.
1. Remove the protective foil from the sticky side of the suction plate.
 2. Fix the suction plate to a suitable position on the dashboard. Take care, that the surface of the dashboard is clean and press the suction plate strongly onto the surface.
- To obtain a strong and secure hold the suction plate should not be used for 24 hours.



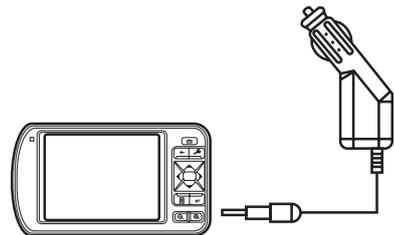
3. Mount the car holder to the flexible neck. Note the labels on the flexible neck. The arrow labelled **CLOSE** must

point to the direction of the fixture. The connection locks in with a noticeable clicking sound.

1. Place the holder with the suction head onto the suction plate (or directly onto the windscreen) and press the lever on the suction head downwards. The suction head will stick itself firmly to the suction plate.
2. Set the navigation system into the car holder by placing it initially in the lower noses and then pressing it down gently until the holder clicks in.



Connecting the Car Adaptor



When the battery is low, you can recharge the device in the car:

1. Connect one end of the car charger to connector at the bottom of your navigation system.
 2. Now insert the power adaptor into the cigarette lighter socket and ensure that it will not lose contact while driving. This could cause a malfunction.
- **Note:** Remove the car adaptor from the cigarette lighter socket when ending a trip or when parking the car for an extended period of time.

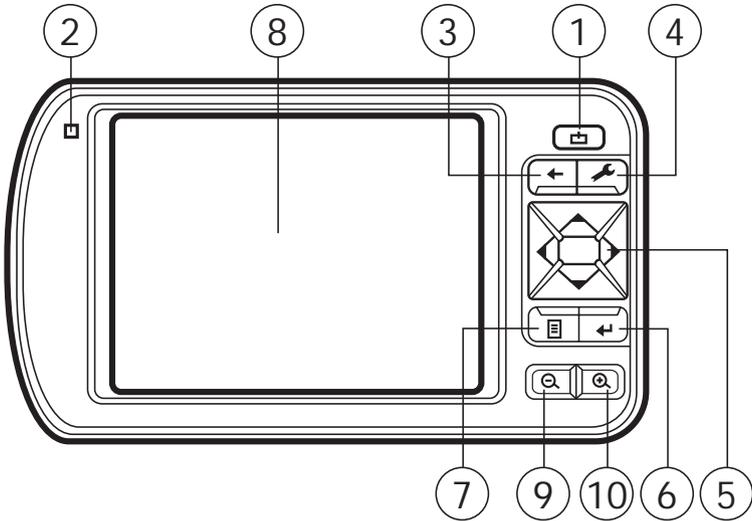
INSTALLATION

Note: After installation, protect your navigation system from dust and dirt by using the storage pocket. The storage pocket, however, does not protect against rain or moisture. Make sure that the navigation system is not exposed to moisture. This may damage the electronic parts.

When you use the navigation system, make sure that it is mounted in an upright position so that the GPS antenna (13) will receive a strong signal. If the signal is too weak, please adjust the direction of the GPS antenna to receive the best possible signal.

VIEWS

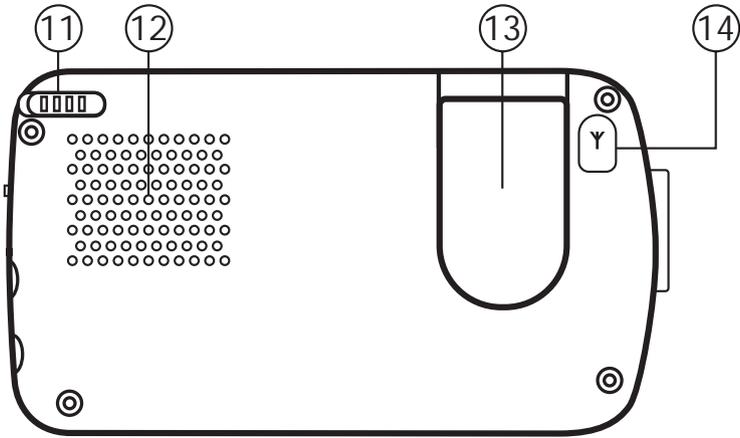
Front View



- 1. Sleep/Wake Button Press it to switch on/off the unit.
- 2. Battery Charge Indicator When the battery is charging the indicator lights red
When the battery is fully charged, the indicator turns green.
- 3. Back Button Press it to return to the previous menu.
- 4. Setting Button Press it to enter into the setting menu.
- 5. Navigation Pad Moves up/down/left/right by pushing the corresponding area of the pad.
- 6. Enter Button Press it to enter into the selected item.
- 7.  Press it to enter into the main menu.
- 8. Touch Screen Displays the output of your device. Touch the screen with the stylus to select menu commands or enter information.
- 9.  Button to zoom out.
- 10.  Button to zoom in.

VIEWS

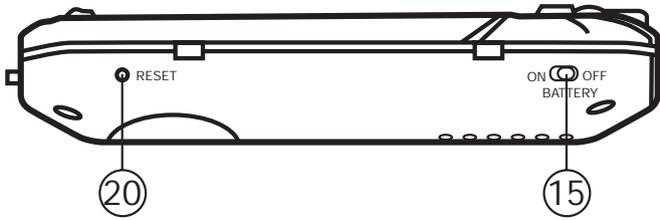
Back View



- | | |
|---------------------------|--|
| 11. Stylus Pen | Pull the stylus pen out of its compartment in order to use it. Store it in this slot when not in use. The stylus pen is required for operating the touch screen. |
| 12. Loudspeaker | Plays back voice instructions and warnings. |
| 13. GPS Antenna | Receives the signals of the GPS satellites. |
| 14. External Antenna Jack | Interface for an optional second antenna. |

VIEWS

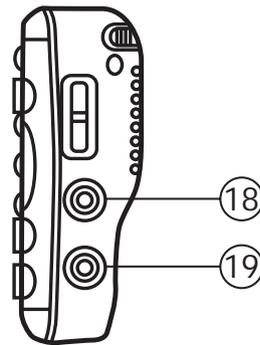
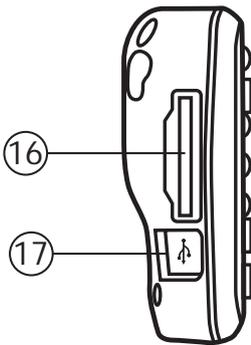
Bottom View



- 15. Battery Switch Separates the device completely from the battery (also hard reset).
- 20. Reset Button Press it to reset the unit.

Left View

Right View



- 16. SD/MMC Slot Accepts an optional SD (Secure Digital) Card for removable storage.
- 17. USB Interface Interface for connecting to a PC by means of the Sync-cable (for data synchronisation).
- 18. Headphone Jack Connects to a pair of stereo headphones (optional).
- 19. AC Adaptor Port Connection to external power supply.

GPS (GLOBAL POSITIONING SYSTEM)

GPS is a satellite-based system for determining your position. With the help of more than 24 satellites revolving around the earth, it is possible to determine your position on earth with an accuracy of a few meters. The satellite signals are received by the antenna of the integrated GPS receiver, which must have a "line of sight" to at least 4 satellites.

- **Note:** By limited line of sight access (e.g. in tunnels, between houses, in woods or also in vehicles with metal-coated windows) it is impossible to determine the position. The satellite reception automatically picks up again as soon as the obstacle has been passed and the line of sight is established again.

The GPS receiver consumes additional power. This is especially of concern when running on batteries. To save power do not switch on the GPS receiver unnecessarily.

You can also switch off the device by means of the **sleep/wake** button in case of a shorter interruption to your journey. Pressing the same button again will perform a restart. At the same time, the GPS receiver will also be reactivated if the navigation software is still running. Here, it can take a short time for the position to be updated, according to the reception situation.

- **Note:** Please note that your device is preset not to shut down automatically after a few minutes without activity. You can change this default in the settings mode.
- If the GPS receiver has not been active for some hours, it must orientate itself again. This process may take some minutes.

Memory Card Quick Installation

This option will only be available to you if your navigation system is equipped with a prepared memory card. In this case, you will be able to use the navigation function of your device after a short time, without carrying out the pre-installation on a PC.

- In any case, the initial setup must be

performed as described on page 15.

- The following installation limits the navigation to the area which is pre-installed on your memory card.

You must perform these steps to put the navigation into operation in your car:

1. Read and adhere to the safety instructions on page 2 and the following.
 2. Install the remaining components of the navigation system.
 3. Press the **sleep/wake** button to start your navigation system. If the instructions of Step 1 have not yet been performed, then do it now. The battery should be charged. If necessary, charge the battery by means of the car power supply.
- Insert the pre-installed memory card in the navigation system. The installation of the navigation software starts automatically. Follow the instructions on the screen.

NOTES:

- The memory card must always be inserted in the device during the use of the navigation system. A soft reset will have to be performed to restart the navigation system if the memory card is removed during its use, even for a short time.
 - After a hard reset, the software will have to be installed again.
 - Perform a hard reset initially, if you want to reinstall the navigation software.
- Now set date and time by means of the **settings** button and the **date/time** control button if this has not yet been done. Set the applicable time zone if available.

GPS (GLOBAL POSITIONING SYSTEM)

Starting Navigation

1. Switch on your navigation system.
2. The navigation software starts automatically or after tapping the **navigation** control button, depending on the product version.
3. Tap the button to enter the destination and the address of your navigation destination. Then start the navigation by tapping **Navigate**. After a short time
 - if the satellite reception is adequate
 - you will receive the route information on the screen, augmented by voice instructions.

For further operation of the navigation software, please refer to the comprehensive user handbook on the navigation CD.

In addition, brief help is available to you on your navigation system. You can reach it by tapping the **Options/ Destination Entry** button and then selecting the help function.

Note: When the GPS-receiver is used for the first time, it will require some minutes for initialization. Even if GPS signal reception is indicated, the navigation could be imprecise. In all future instances it will only take about 30-60 seconds until a correct GPS signal is available; this, however, requires a sufficient "sight" of the satellites.

Installing Software on Your PC

In order to be able to use self-defined maps on your navigation system you must install the corresponding navigation software on your PC.

1. Before installing the navigation software ensure that ActiveSync is installed and your navigation system is connected to your PC via the ActiveSync cable.
2. Insert CD 1 with the navigation software in your CD-ROM drive. The installation starts automatically.
3. Follow the instructions on the screen.

Content of the Navigation CDs

It may be possible that several CDs are supplied, depending on your product version.

Content of the CDs:

CD 1 contains the PC application,

digitalised map material and data for fast restoring the content of the memory card. Additional material on the card is stored on CD 2 (optional). The PC application will be installed on the computer and used to set up your own map details. Apart from this, it will support the recreation of data on the memory card.

Installing Microsoft ActiveSync

To transfer your data between your PC and your navigation system you need the Microsoft ActiveSync programme.

The purchase of the navigation system includes a license for this programme, which can be found on the support CD.

Attention: Important files can be overwritten or changed during software installation. You should create a hard disk backup, in order to be able to have access to the original files in case of possible problems following the installation. You must have administrator rights to install the software under Windows 2000/XP.

Attention: You should not connect the navigation system to your computer yet.

1. Insert the support CD and wait until the programme starts automatically.

Note: If it does not start automatically, the Auto Run function is probably deactivated. Then you have to start the setup programme on the CD manually.

2. Choose the language, then click on **Install ActiveSync** and follow the instructions on the screen.
3. While the connection options are checked, use the ActiveSync cable to connect the navigation system to your computer. To do this, plug the USB connector into the USB port of your computer.

The hardware installation assistant now recognises a new device and installs a suitable driver, which can take some minutes. Repeat the connection search if it fails the first time.

4. Follow the instructions on the screen. The programme will now set up a partnership between your PC and the device.