

Portable navigation with mobile digital TV

PN 4000

Product Information



Teletext



TV



Games



* Optional

- DVB-T Dual Tuner
- Electronic Program Guide (EPG)
- High-Performance Teletext
- Built-In Loudspeaker
- Stereo Headphone Out
- MP3 Player
- JPEG Viewer
- Video Player
- Games: Sudoku & Blockbuster

- 4.3" LCD TFT Touchscreen Display
- Automatic Display Brightness Control
- Lane Guidance
- 3 Route Criteria/6 Route Options
- Postal Code Entry
- 2D/3D Map View
- Customizable Info Bar
- SD Card Slot
- Password Protection

Options:

- Route Calculation with TMC Traffic Info
- Bluetooth Wireless Technology
- Infrared Remote Control
- Rear Seat Cradle
- Protective Bag

Digital TV (DVB-T)

The PN 4000 brings the "television of the future", which is now available across large portions of Europe with a greater variety of broadcasters than ever before, into the car. Thanks to a high-performance battery and an external power supply, the PN 4000 can also be operated outside of the vehicle, for example at campsites, at the beach, or at vacation homes. This means that you can always stay up-to-date with local Teletext information that includes weather, flight schedules, sporting events, and much more.

Enhanced Route & Sound with Car Radio

The Route & Sound function makes it possible to listen to MP3 files while navigating to the desired destination with voice, pictogram, and map guidance. The PN 4000 is therefore equipped with a 3.5-mm stereo jack to access an audio signal. This enables navigation instructions and audio from MP3 files to be transmitted to the in-car entertainment system at the same time, playing over the sound system's speakers.

Lane Guidance

For more-relaxed driving and detailed guidance – especially on multi-lane roads – the PN 4000 features "Lane Guidance," which informs you with sufficient lead time when you need to change lanes in order to take an exit to reach your destination.

Easy & Comfortable Handling

Since all of the functions of the PN 4000 can be operated with just one finger, it is important to have a large display. The PN 4000 comes with a large 4.3" LCD TFT monitor, which benefits not only the visual navigation indications, but of course the DVB-T tuner as well. If you still think 4.3" is not big enough, the PN 4000 features another highlight: Automatic Zooming. This function offers map zoom down to the intersection level, at a scale of 25 m. Thanks to password protection, you don't have to worry about unauthorized access to your data or misuse of the device by others, such as children.

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Technical Information



Digital TV¹

- Favorite channel list
- Self-learning service list (new frequencies will be stored in memory)
- Electronic Program Guide (EPG)
- Support of high-performance Teletext + zoom
- Support of program subtitles

Navigation

- Pictogram- and voice-supported route guidance
- Lane guidance information
- 20 written menu languages (UK English, U.S. English, Spanish, French, German, Italian, Czech, Danish, Dutch, Finnish, Hungarian, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian (Cyrillic)², Slovak, Swedish, Turkish)
- 17 spoken languages (UK English, U.S. English, Spanish, French, German, Italian, Brazilian Portuguese, Czech, Danish, Dutch, Finnish, Polish, Portuguese, Russian, Slovenian, Swedish, Turkish)
- "Turn now" indications
- Route criteria:
 - Fast
 - Short
 - Economical
- Route criteria options:
 - Avoid highways
 - Avoid ferries
 - Avoid tunnels
 - Avoid toll gates
 - Avoid toll roads
 - Consider traffic info⁴
- Position-independent route planning (simulation)
- Map presentation:
 - Northwards
 - Head-up mode
 - 2D/3D
- Auto zoom at intersections/manual zoom selectable
- Unit selection: km/miles
- Route detour (alternative route)

- Freely customizable info bar (6 info fields): Time, date, estimated time of arrival, remaining travel time, remaining travel distance, legal speed limits, current speed, altitude above sea level, battery status, GPS status, Bluetooth status, and TMC status⁴

MP3 Player

- Folder View
- Repeat Track
- Random Play
- Equalizer
- Next Track
- Next Album

JPEG Viewer

- Full Screen
- Next Picture
- Next Album
- Slide Show

Games

- Sudoku
- Blockbuster

Technical Data

- 4.3" color TFT LCD with a 480 x 272 pixel resolution, 16:9 aspect ratio, touchscreen, anti-glare surface
- 372 MHz, 64 MB Flash ROM and 128 MB DDR-SD RAM
- Integrated 30-channel GPS receiver
- Lithium ion rechargeable battery 2200 mAh for up to 4 hrs. navigation and 2 hrs. of DVB-T
- Dimensions: approx. 125 mm width x 83 mm height x 24 mm depth
- Weight: approx. 260 g
- Operating temperature: -20°...+60°C
- Charging temperature for Lithium ion battery: 0°...+45°C
- Power supply via:
 - Integrated rechargeable battery
 - 12V cigarette lighter adaptor
 - 120-240V home charger
- Support of SD cards up to/equal to 2 GB

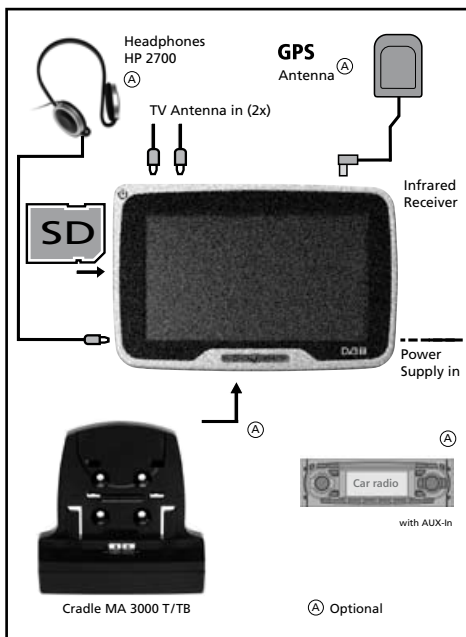
Ergonomics, Safety and Ease of Use

- Anti-glare coating to reduce reflection
- In-car navigation use (the PND is not waterproof)
- Compatible with Steering Wheel Remote Control RCS 5100
- Automatic display brightness control

Accessories

- IR Steering Wheel Remote Control RCS 5100
- External GPS Antenna MA 2010³
- TMC Cradle (MA 3000 T/00)
- TMC & Bluetooth® Cradle (MA 3000 TB/00)
- Car Connectivity Cable (MA 3040)
- Protective Bag
- Rear Seat Cradle to enable TV use for rear seat passengers

Interfaces



¹ DVB-T reception may be limited in some regions

² Except destination input

³ The GPS signal may be blocked by heated windscreens or tinted windscreens with a vacuum-metallised surface. In this case, you might need the external GPS Antenna.

⁴ Active Cradle MA 3000 T/TB necessary.

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