

The navigation system consists of three units + two power adapters:

- navigation device
- smart device holder
- Power adapter:
 - o 7-36VDC to 5VDC
 - o 85-265VAC to 5VDC

The device must have following characteristics:

- Colour TMR-type TFT touchscreen, 4,3" landscape format, 480x272 dots, -10°C - +60°C operating temp., backlight dimmable, min. 230 nits
- Rugged plastic/metal housing
- operating temp. -10°C - +60°C (for TFT op. temp. see Colour TFT)
- storage temp. -30°C - +70°C
- Bluetooth 1.2 (support of HFP, HSP, A2DP, SPP)
- Processor: 520MHz Intel Xscale PXA270
- 64 MB RAM / 32 MB Flash ROM
- RAM and ROM bus to CPU must be optimized for highest data rates.
- Fast SD-Card Slot, support of up to 4 GB SD Cards, SDIO 4bit Mode, 100Mb/s from SD-card to CPU
- USB 1.1
- Operating system: Linux 2.6.14
- 3 axis acceleration sensor +/-2g ADXL 330
- Power supply 5V
- Removable and rechargeable Battery LiIon 1.4Ah, (temp. conditions: charging 0 to 45°C, discharging -20 to 60°C, storage -20 to 45°C)
- Hidden Reset button
- Size (incl. housing): ~125 x 81 x 19 mm (HxWxD)
- connectors for power supply, antennas GPS and FM, USB, mute, Audio stereo earphones
- EMC tested (CE/FCC/IC and E-certification according to EU directives)
- Quiescent current < 1mA
- Wireless ISM interface for optional remote control
- Control LEDs for Power/Charging (amber) and Bluetooth (blue)