



THE FB 6000 BY FUNKWERK IS SETTING NEW BENCHMARKS

Hands-free kit, navigation function and telematics system all in one: The FB 6000 merges the advantages of a telematics on-board computer with a navigation device and the functions of a Bluetooth® hands-free kit which is completely integrated into the audio-system of the vehicle.

Among functions such as vehicle localisation, route tracing and route scheduling the FB 6000 offers the possibility to send transport orders directly to the vehicle. Additionally it is possible to connect a CAN adapter, a digital tachograph and further sensors in the vehicles in order to collect, control and evaluate different data.

The extra wide 4.3" touch screen display is perfect for navigation, which is based on maps for Western and Eastern Europe.

The driver can optionally call at any time via the Bluetooth® hands-free kit which is completely integrated into the audio-system of the vehicle. Phone numbers are transferred easily from the different software applications and / or ERP systems to the hands-free kit.

MODE OF OPERATION



TYPICAL APPLICATIONS

- » Tracking and route tracing
- » Geofencing
- » Report: vehicle use
- » Vehicle handling via CAN adapter
- » Drivers' hours via connection to the digital tachograph
- » Simple order management
- » Navigation
- » Hands-free kit

FB 6000 – TECHNICAL DATA

ON-BOARD COMPUTER

- » GPS module with SirfStar III Chip, 20 channel receiver, WAAS/EGNOS/MSAS compatible, external antenna plug FAKRA C/SMB male, support of an active GPS antenna with 3,3 V supply, max. 35 mA
- » GSM quad band module 850/900/1800/1900 MHz, with GPRS multislots class 12/ coding scheme 1-4 and EDGE multislots class 10/ coding scheme MSC 1-9, external antenna plug FME male
- » SIM-Card slot
- » 6 digital IN's, 3 x active at ground, 3 x active at vehicle voltage
- » 2 digital OUT's relay switch, max. 2 A switchable
- » Interface for additional CAN adapter, FMS via plug socket RJ-12, I²C
- » 1 x RS-232 via plug socket RJ-45
- » USB Host (mass storage device and converter RS-232 with FTDI-Chip, max 3 x RS-232 SUB-D)
- » USB Device (Active Sync)
- » SD-Card slot
- » Ignition control with configurable timer for shut-down time
- » ARM9 Controller with 180 MIPS, 32 MB SD-RAM, 16 MB Flash
- » Operating system Windows CE 5.0
- » Dimensions 130 mm x 124 mm x 30 mm
- » Voltage range 8 V to 36 V, overvoltage and undervoltage shut-down
- » Temperature range -30 to +75°C
- » Weight 310 g
- » Average air humidity ≤ 75%, 30 days per year ≤ 85%, short term ≤ 95%

GENERAL

- » Standby current < 0,1 mA
- » Operating current < 1,25 A with 12 V
- » Fuse protection in ISO-cable set for connection, 2 A vehicle voltage, 1 A ignition, changeable
- » Installation in the interior of the vehicle
- » E1 approval
- » CE conformity according to R&TTE

DISPLAY AND CONTROL PANEL

- » 4.3" color touch screen, 480 x 272 pixels
- » GPS-module with SirfStar III chip, internal antenna, external antenna connection
- » TMC-module (in the cradle)
- » Cradle
 - mechanically compatible to HR holders
 - Connection to the on board supply system (compatible with 12V/24V systems)
 - TMC antenna connection
 - Audio output (line)
 - A/V input
 - Control interface to the hands-free kit and to the on-board computer
- » 2 internal loudspeakers
- » Output for headphones
- » A/V input
- » SD-Card slot
- » USB Host (mass storage device)
- » USB Device (Active Sync)
- » Ignition control with configurable timer for shut-down time
- » ARM920T CPU @400 MHz
- » Operating system Windows CE 5.0
- » LiPolymer battery 3,7 V, 2000 mAh
- » Dimensions (PNA with / without cradle): 135 x 122 x 38 mm / 135 x 85 x 28 mm
- » Voltage range 8 V to 36 V, overvoltage and undervoltage shut-down
- » Temperature range -20 to +60°C
- » Weight (PNA with / without cradle): 380 g / 250 g

HANDS-FREE KIT

- » Automatic radio muting
- » Voice control
- » Connects quickly and wirelessly via Bluetooth®
- » Echo and noise reduction
- » Dimensions 45 mm x 33 mm x 17 mm
- » Voltage range 11 V to 15 V
- » Temperature range -10° C to +55° C