

Professional BC

High quality GSM / GPS telematics device with complete AVL functionality and IP65 housing



Configuration parameters (examples):

- Event reporting (time, distance, direction, ignition, etc.)
- Provider list with roaming pre-selection
- Flexible I/O configuration
- Optimized for log book functions with very accurate mileage counter
- Geofences

Event messages contain information about (examples):

- Position with time stamp
- Message type (e.g. direction change) with time stamp
- Mileage counter
- Speed
- Maintenance and service data (number of satellites, voltage value)

Reliability features include:

- Robust housing and vibration-/shock-tested design ensures reliable integration in trucks, trailers and construction machines.
- The internal watchdog concept ensures a reliable performance to support always-up functionality.
- The internal battery ensures transmission of positions in case of manipulated power supply.

Tracking features:

- 50 channel GPS receiver ensures precise positioning
- Assisted GPS optimizes time to first fix

Interfaces to vehicle:

- CAN-bus interface allows direct access to vehicle data (FMS support)
- 3 RS232 interfaces for integration in applications
- Up to 19 I/Os for further connectivity

Application segments:

- Automated Vehicle Location (AVL): fleet management, construction machines, public transport organization
- Security Tracking: trucks, trailers, construction machines

Professional BC

Technical Parameters:

- IP65 housing
- CAN-bus interface (FMS support)
- Up to 19 ESD protected I/Os
- Flexible I/O configuration via SW
- 3 RS232 interfaces
- 1-wire interface
- 50 channel GPS-receiver
- Assisted GPS
- Mileage counter
- Very high processing power
- Large storage memory
- Internal extension options for projects
- 3-level watchdog controller ensures always-up functionality
- LED status control
- Software update (DOTA) over the air via GPRS / FTP

Power Supply:

- 7 to 60V DC external supply voltage range
- Backup battery (LiPolymer) with seamless switch-over between external and internal power supply

Temperature Range, Certificates:

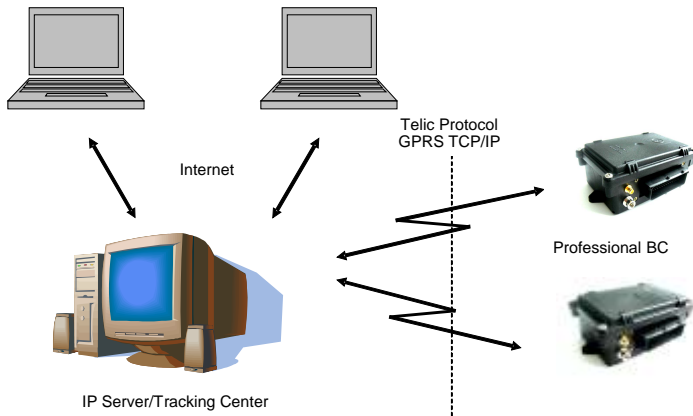
- Operating temperature -30°C to +75°C
- RoHS compliant
- E-certificate
- CE certificate
- FCC certificate
- Made in Germany

Professional BC - Telematics device with complete AVL functionality

Use of PBC for Telematics Services

Telic protocol integration:

Telic discloses the communication protocol to customers who develop their own control center software. Under NDA Telic provides all information to integrate Telic products into the telematic solution. Within our partner programme we offer trainings, tools and support through the whole integration process.



Use of existing control center solutions from Telic partners:

Telic works together with a wide range of telematics service providers, which have successfully integrated the Telic protocol. Depending on the required telematics service (e.g. fleet management, asset tracking, personal tracking, etc.), we can find the right partner for your needs. Please contact us for further information.

Configuration and Diagnostic Tool

Telic's PC-based configuration tool supports the solution partner during the integration process and offers features such as:

- Direct connection via RS232
- Configuration of all relevant parameters
- Display of current status
- Trace and monitoring of device status
- Diagnostic of the device
- Software download to the PBC



Available Accessories

- Product Package contains: **GSM/GPS combo antenna, automotive connection cable, mounting material**
- Different antennas like **separate GSM and GPS antenna** on request
- **Cigarette lighter charger** on request

About Telic

Telic is a leading German supplier of telematics and telemetry products. Based on the core technologies GSM and GPS, Telic develops and manufactures high quality products, designed to be used in industrial and automotive environment. Telic's strong partnership with GSM and GPS module manufacturers secures the competitive edge in GSM, GPRS, UMTS and GPS technologies.

By using a platform concept, Telic is able to react flexible and fast to customers' requirements. This leads to cost-efficient solutions for system integrators and solution providers.

Telic Product Portfolio

- **STD32 and STD35** are the cost efficient base for telemetry applications, providing a ready-to-start hardware with flexible configuration options of the embedded software.



- **Picotrack** is a very small and compact GSM/GPS tracking and alarming device for security applications as well as tracking of people and goods.



- **SBC3** is a telematics device for demanding fleet management and AVL applications. Apart from its very flexible connecting features, it has a robust casing. It meets all important installation criteria and comes either with the antennas inside or outside the casing.



How to contact us

Telic GmbH
Raiffeisenallee 12b
D-82041 Oberhaching/Germany
Phone: +49 89 490 2686 - 0
Fax: +49 89 490 2686 - 18
Internet: www.telic.de
E-Mail: info@telic.de



V1.1 February 2010

Note: Specification is preliminary and subject to change without prior notice.