

## Picotrack

**Telic Picotrack - the ultra-small and compact GSM / GPS tracking & alarming device**



- GSM / GPS integrated
- Connection via TCP/IP (GPRS based)
- Ultra small size: 54x37x 20 mm and only 40 grams
- Stand-alone unit incl. antennas and rechargeable LiPolymer battery
- Alarm button
- SuperSense GPS for indoor tracking
- Easy to recharge via USB connector
- Sleep modes (time, motion based)
- Software update (DOTA) over the air via GPRS / FTP
- Watchdog concept
- LED status control
- Operating temperature -20°C to +60°C
- CE approval
- RoHS compliant
- Made in Germany

### Configuration parameters:

- Event reporting (time, distance, direction, alarm button, charger connected)
- Sleep mode (time or motion)
- SIM Card and provider specific data

### Event Messages contain information about:

- Position with time stamp
- Message type (e.g. direction change) with time stamp
- mileage counter
- speed
- status of motion sensor
- maintenance and service data (number of satellites, voltage value)

### Reliability features include:

- Easy software update over the air via GPRS and FTP protocol keeps Picotrack up to date everywhere.
- The internal watchdog concept guarantees a reliable performance and the low battery warning informs user (LED) and control center.
- The intelligent power management allows several sleep configurations for the ideal standby time.

### Security features

- configurable alarm button to fulfil requirements from security applications
- SuperSense GPS allows tracking even under bad conditions; inhouse tracking close to windows

### Application segments

#### Automated Vehicle Location (AVL)

- Fleet management
- Leasing
- Taxi
- Public transport organisation

#### Personal Tracking:

- VIPs
- Health control
- Elderly persons
- Handicapped people
- Kids
- Animals (dogs, horses etc.)

#### Security Tracking:

- Persons at risk
- Vehicles
- Valuable goods

#### Asset Tracking:

- Containers
- Wagons
- Trailers
- Machines
- Parcels

#### Outdoor Tracking

- Marathon race
- Paragliding
- Cross-country skiing race
- Oldtime race

# Picotrack - The miniaturized tracking & alarming device

## Technical Features

- GSM/GPRS/FTP Communication and GPS-tracking
- High Sensitivity GPS-tracking module, supports SuperSense GPS and wireless assisted GPS (requires server to provide real-time data)
- Very large internal ceramic GPS-patch-antenna, increasing the GPS sensitivity even further
- Alarm button for emergency cases with GPS position transmission to the service center.
- Internal rechargeable high-power Lithium Polymer battery
- Charging via standard USB interface, ideally suited for mobile operations using personal computer or laptop
- Internal smart fast charging controller
- Operating temperature: -20°C to +60°C (Recharge: 0°C to +45°C)
- Supply voltage: 5 Volts
- Size: 54 x 37 x 20 mm - weight: 40 grams

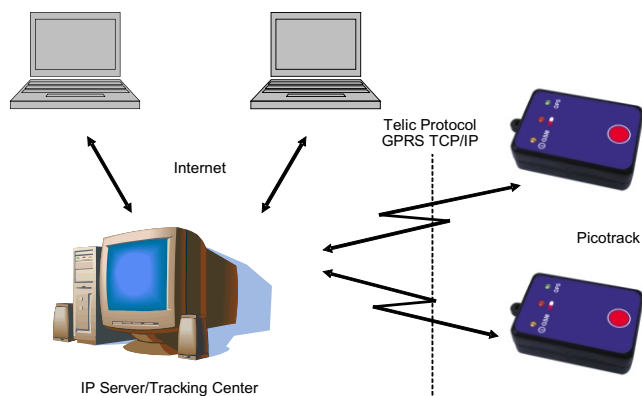
### Optional available on project basis:

- Opto-sensor recognises daylight or flashlight (e.g. opening of transport box)
- Different housings, additional belt-clip, and IP65 housing
- Inertial 3-D high precision acceleration sensor: detects motion and acceleration

## User Interface

### Picotrack offers two options to work with:

- **Integration of the Telic protocol in existing tracking SW (stand-alone or web-based)**  
Under NDA you get the protocol specification with all the relevant details and first class hotline support for related questions.
- **Use of web-based tracking services from Telic partners - please contact us for details.**



## Available Accessories

**Power Cord for Car Installation** Ready to install the PicoTrack in vehicles with the 7 to 32 Volt car adapter.

**Car charger plug 12 V for cigarette lighter**

**Power Supply** for 230V / EU plug version, compact and light weight solution with microUSB connector.

**USB Cable** to charge Picotrack with personal computers or laptops.

## 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 module manufacturers secures the competitive edge in GSM, GPRS and UMTS 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.



**Professional BC** is the professional GSM/GPS tracking unit for fleet management and AVL projects with a wide range of I/Os, CAN bus and RS232 port options.



**Standard BC** is a high quality 50 channel GPS and Quad Band GSM unit for efficient fleet management and AVL projects. Small, compact and simple to install it convinces with its wide feature set.



**HiPer Pro** is the personal tracking and communication device containing GSM- and GPS-functionality and antennas in a mobile, designed for personal security needs.



## How to contact us

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