

Picotrack

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



Main benefits:

- The smallest tracking device in it's class (57x38x15mm)
- Very fast fix even in bad environment
- Long battery life due to very low power consumption
- Very precise tracking performance
- Highly sensitive GPS for in-house tracking
- Robust enclosure
- Freely configurable button for emergencies or activation/ deactivation
- Picotrack Power with double battery capacity

The Picotrack is a complete tracking and tracing device with an outstanding feature package:

- Event reporting (time, distance, direction change, alarm button, charger connected)
- Sleep mode (time- or motion-dependent) to extend operation time without recharging battery
- Integrated motion sensor for power saving and theft protection
- Geofences
- Easy software update over the air via GPRS and FTP
- The internal watchdog ensures a reliable operation
- Easy configuration via optional Telic configuration tool

Examples for typical operation times without recharging the battery under good GPS conditions, e.g.:

Tracking interval:	15 sec interval	5 min interval	5 h interval	Permanent sleep with wake-up option
Operation time:				
▪ Picotrack	~ 7 h	~ 12 h	~ 1 month	~ 6 months
▪ Picotrack Power	~ 14 h	~ 24 h	~ 2 months	~ 12 months

Optional available on project basis:

- Long-lasting battery cells (up to 5 years)
- Different housings such as IP65
- Solar and battery-driven version for power-independent operation

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Telematik & Telemetrie

Picotrack

Technical Parameters:

- GSM/ GPRS/ FTP communication and GPS tracking
- Connection via TCP/ IP (GPRS-based)
- Highly sensitive GPS for in-house tracking
- Very large internal ceramic GPS patch antenna for increased GPS sensitivity
- Sleep mode (time or motion)
- Geofence
- Software update (DOTA) over the air via GPRS / FTP
- Internal watchdog concept

Power Supply:

- Internal rechargeable high-power Lithium Polymer battery
- Charging via standard USB interface
- Internal smart fast charging controller
- Supply voltage: 5 Volts

Size, Temperature Range, Certificates:

- **Weight:** 35 grams
- **Size:** 57 x 38 x 15 mm, very compact
- **Operating temperature:** -20°C to +60°C
- **Recharging at 0°C to +45°C**
- CE approval
- RoHS compliant
- Made in Germany

Application Segments:

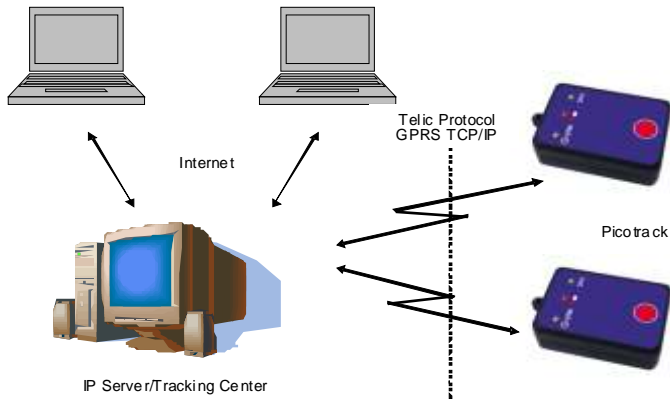
- **Automated Vehicle Location (AVL):** fleet management, taxi, leasing
- **Personal Tracking:** VIP's, social alarm
- **Security tracking:** persons at risk, vehicles, valuable goods
- **Asset tracking:** Containers, wagons, machines
- **Outdoor tracking:** marathon race, paragliding, car rallye

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Use of Picotrack 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 telematics solution. Telic's technical support will be assisting with the integration, if requested.



Use of existing control center solutions from Telic partners:

Telic works together with multiple 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 you and your needs.

Configuration and Diagnostic Tool

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

- Configuration of all relevant parameters
- Display of current status
- Tracing and monitoring of device status
- Direct connection via RS232
- Diagnostic of the device during and after installation
- Software download to the Picotrack



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 lightweight solution with microUSB connector
- **USB cable** to charge Picotrack with personal computers or laptops
- Telic **configuration tool**

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 GPS, GPRS and UMTS technologies. By using a platform concept, Telic is able to react flexibly 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 platform for telemetry applications, providing a ready-to-start hardware and an integrated web-server.



- **SBC3** is a telematics device for demanding fleet management applications, which requires features such as CAN-bus, 1-wire, RS232 etc. It features a remarkably robust enclosure.



- **PBC** is the professional GSM/ GPS tracking unit for fleet management with a wide range of I/Os, CAN bus and unique voltage range.



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Note: Telic GmbH may at any time and without notice make changes or improvements to the offered products and services.