

SBC-AVL Power

The small tracking unit with backup battery
for standard telematics applications



Most important features and benefits:

- One of the smallest tracking units in its class
- Fast installation and set-up
- Integrated high performance GPS and GSM antennas
- Extremely low power consumption
- Motion detection with configurable sensitivity
- Geofence
- SMS fall-back in case of GPRS non-availability
- Configurable TCP and UDP communication
- Cost-optimized data transmission and operation

Configuration parameters:

- Event reporting (time, distance, direction etc.)
- Optimized for log book functions with very accurate mileage counter

Event messages with time stamp contain information about, e.g.:

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

Advanced service and support package:

- Free account on Telic test server for immediate tests
- Free Android app for easy failure analysis
- Easy configuration via config tool
- User-friendly documentation
- Application support

Application segments:

- Automated Vehicle Location (AVL): for fleet management, trucks, vans, security (theft protection), taxis, service fleet, public transportation etc.

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Technical Parameters:

- All antennas integrated
- Integrated backup battery
- Power consumption in sleep mode 77 μ A
- Dimensions
74 x 49 x 20 mm
- Integrated motion sensor
- 2x digital inputs
- 1x analog input
- 1 digital output
- 3-level watchdog concept incl. power cycle
- Software upgrade over the air (DOTA)
- Configuration via USB or remotely via GPRS/ SMS
- 7 to 32 V input range

Temperature Range, Certificates:

- Temperature range
-30°C to +75°C
- e1 certification
- Made in Germany

Optional Available for Projects:

- Shock sensor

Support Options:

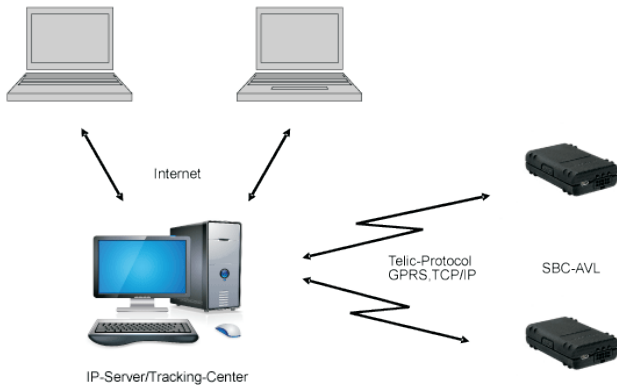
- Easy-to-use manual
- Config tool
- Telic test server (Telic Trial)
- Smartphone Android app
- Professional technical support

SBC-AVL Power - The small and powerful tracking unit

Use of SBC-AVL Power for Telematics Services

Telc protocol integration:

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



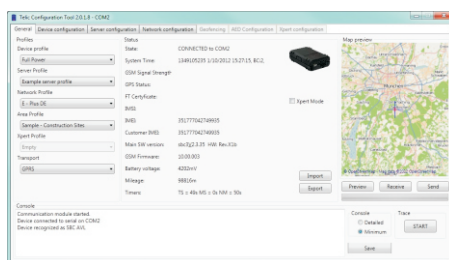
Use of existing control center solutions from Telc partners:

Telc works together with a wide range of telematics service providers, which have successfully integrated the Telc 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. For initial tests, the Telc „Trial Server“ can be used. Please contact us for further information.

Configuration and Diagnostic Tool

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

- Direct connection via USB 2.0
- Configuration of all relevant parameters
- Display of current status
- Trace and monitoring of device status
- Diagnostic of the device
- Software download to the SBC-AVL Power



Android App for Smartphones

- Helps customers to easily find configuration errors, e.g. wrong APN
- Reduces support effort
- Displayed information:
 - Software version with option for upgrade
 - APN
 - Battery level of device
 - Settings of the device

About Telc

Telc is a leading German manufacturer of telematics and telemetry products. Based on the core technologies GSM and GPS, Telc develops and manufactures high quality products, designed to be used in industrial and automotive environment. Telc's strong partnership with GSM and GPS module manufacturers secures the competitive edge in GPS, GPRS, and 3G technologies.

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

Telc Product Portfolio

- **Picotrack** is a very small and compact GSM/ GPS tracking and alarming device for security applications as well as tracking of people and goods.
- **Picotrack Endurance** is the extremely robust and autonomous GSM/ GPS container and asset tracker with ultra-long battery life with primary or rechargeable battery cell option.
- **SBC3-CAN** is a telematics device for demanding fleet management applications which require features such as CAN-bus, 1-wire, RS232 etc. It features a remarkably robust and water-protected enclosure.
- **STD32 and STD35** are the cost-efficient platform for telemetry applications, providing a ready-to-start hardware and an integrated web-server.



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