



## StarLink TrackerCAN



# Advanced Vehicle Tracking & Diagnostic Solution

The **StarLink TrackerCAN** provides a complete solution for vehicle tracking and diagnostics and enables smart analysis of vehicle operation combined with ERM exclusive device for versatile vehicle tracking.

**StarLink TrackerCAN** is the ultimate solution for Fleet Management operations.

**StarLink TrackerCAN** uses data received from CANBUS, OBDCAN as well as ERM's broad range of accessories, to provide immediate, personalized information and alerts regarding the vehicle's operation.

**StarLink TrackerCAN** is compatible with most vehicle types and complies with automotive, radio and safety standards worldwide (a 3G version available for North America and Australia).

The **StarLink TrackerCAN** is highly recommended for use in security, fleet management, insurance, rental and leasing service companies.

**StarLink TrackerCAN** offers a 'one-stop platform' including:

- 12V/24V operation
- Multi location systems: GPS/GNSS
- OBD or CANBUS/FMS information extraction
- Parameters:
  - OBD II protocol support
  - Ability to define additional parameters read from CANBUS
- Simple and easy parameters definition
- J1708, J1939 protocol support

**StarLink** products can be easily configured over the air for:

- I/O setup
- Rules
- Geo-fencing
- Reporting intervals
- Firmware update

**Manage your fleet**  
in a different way

## Key Features:

- Highly configurable functionality
- Extraction and analysis of vehicle standard CANBUS data
- Simple two-way connectivity with OBD CAN
- Cellular jamming detection with text alert feature
- 2G Quad Band/3G Dual Band modem
- GPS/GLONASS 99 channels location module
- Embedded Cellular and GPS antennas
- Comprehensive I/O, input and output ports
- Dedicated single wire com port, enabling the use of ERM's wide range of accessories
- GPRS and/or Text alerts
- Self-tracking mode
- Internal backup battery
- Enhanced battery management
- Reduced size for quick and easy installation
- Home/Roaming management
- Remote immobilizing capabilities
- Configurable speed alert
- Immobilizer output
- Panic button support
- Keep-alive mechanism
- OLP (Output Logic Programming) for complex output signal generation
- Remote vehicle shutdown (using eCut immobilizing system or relay)
- Vehicle battery diagnostic: charge, voltage and life (i.e.: SoH)
- Vehicle starter diagnostic: start time and grading



- Built-in data logger: Up to 10,000 records
- Driver ID: internal management of up to 500 drivers
- Cellular jamming detection
- Firmware & configuration update Over The Air (OTA)

StarLink TrackerCAN facilitate fast and simple connectivity with ERM's wide variety of accessories:

- PND solution with Garmin integration
- Fuel theft alert and fuel level monitoring
- Driver behavior and BlackBox
- Security and Immobilizing solution and many more (check out ERM's list of accessories)

## Technical Specifications

### Hardware

Cellular	GPRS Quad-Band 900/1800/850/1900 / GPRS/UMTS/HSDPA Dual-Band US850/1900 or EU900/2100 + Optimized antenna
Location	MTK chipset, 99 channels, GPS/GLONASS, Active antenna, Sensitivity -165 dB, NMEA0183 acquisition (normal): cold 34s, warm 34s, hot 1s, accuracy: 2.5m CEP + Embedded optimized antenna
Communication	TCP/IP over GPRS/UMTS/EDGE/HSPA, text messages
Connectors	10-pin Molex connector
Input ports	4 inputs for general use, Additional I/Os with external HUB/junction box
Output ports	2-4 outputs for general use, active low, 1A
Analogs ports	2 inputs using an external adaptor 0-12V and 0-5V (optional using EDA Analog)
Dedicated port	Ignition port, one wire data wire for ERM accessories (eNet protocol)
Power Supply	9-32VDC, 20-30mA, Low power mode (GPS off) < 10mA, Power save mode (Standby) < 3.0mA (average)
Back up battery	Rechargeable, 3.6V, 750mAh (Li-Poly or Li-ion),
Car interface	Ignition On/Off, Engine On/Off (by voltage), VSS, CANBUS (optional using eData/CANalog/eCAN)
Configuration/ Firmware Update	OTA/Via Standard PC USB Port, parameters setup, software programming
Data Logger	Up to 10,000 messages

### Environment

Operating temperature	-20 to 70°C
Storage temperature	-40 to 85°C
Dimensions	9.2cm x 6.5cm x 2.8cm
Weight (NET)	120g
Durability	Water and vibration resistance
Max. relative humidity	90+/-5%
Certifications	CE, FCC, PTCRB, IC

### Software tools and application

StarLink Monitor:	local row data monitor and configuration
Message Builder:	StarLink configuration builder for diagnostic