



StarLink

OnBATT 4G (CAT1) SF iRF

Compact Waterproof Tracking Device



StarLink OnBATT is a small size vehicle tracking device, designed to enable fast installation on a vehicle battery. StarLink OnBATT supports applications such as UBI (usage based insurance) and provides water proof casing, standard Short Range wireless communication for accessories, add-ons and integration with mobile apps.

StarLink OnBATT comes with ERM's Safety technology, which provides real-time information regarding unsafe driving behavior, such as careless driving, accidents, speed violations etc. It automatically identifies 20 different maneuver types, in 3 severity levels - Regular, Aggressive, and Dangerous.

As part of ERM's Safety technology **StarLink OnBATT** is also equipped with 'Black-Box' mode, that detects real-time accident events and stores all the data before and after the accident, with a high sampling rate of 100 times per second for accurate post-accident analysis.

For installation simply tape the device on top of the vehicle's battery, connect the power and the device is installed and operational. ●

FEATURES

- 1 Small size
- 2 Fast installation process
- 3 Driver behavior monitoring
- 4 Black-Box
- 5 Waterproof



Available variants to choose from:



4G The device comes with 4G LTE CAT1 cellular module for communication technology, supporting Australian band frequencies.

iRF The device comes with two way standard short range RF communication module. Which can be used to transmit data between the device and a mobile phone/tablet or read data from variety of external sensors and tags.

SF 3D high sensitivity accelerometer and gyro supported with ERM's Safety technology for Driving Behavior analysis and BlackBox feature. The technology can identify 20 maneuver types in 3 levels. The functionality offers event based driving behavior alerts.

TECHNICAL SPECIFICATIONS

Cellular	Quectel ec21 AU, LTE CAT1 (bands: 1,2,3,4,5,7,8,28,40) All cellular options comes with optimized embedded antenna.
Location	GPS/GLONASS/GALILEO , Active antenna, Sensitivity -165 dB, NMEA0193, Acquisition (normal): cold <34s, warm <34s, hot <1s, accuracy: 2.5m CEP Embedded optimized antenna
Communication	Text messages, TCP/IP over GPRS/UMTS/EDGE/HSPA, Standard short range communication module v4.0
Power Supply	9-32VDC, 20-30mA
Backup Battery	Rechargeable, 3.6V, 350mAh (Li-ion)
Configuration / Firmware Update	OTA/Via Standard PC USB Port, parameters setup, software programming
Data Logger	Up to 8,000 messages

ENVIRONMENT

Environment	
Operating Temperature	-20 to 70° C
Storage Temperature	-40 to 85° C
Dimensions	10cm x 5.9cm x 2.3cm
Weight (NET)	120g
Durability	Water resistance
Max. Relative Humidity	70(±5)%

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.