

Sure-Track ST3030

Fleet Management for Light Commercial Vehicle and Car Fleets



Sure-Track's simple plug & play telematics unit offers a cost effective but sophisticated solution to any sized commercial car or van fleet.

Fleet Management has become about much more than knowing where your vehicles are, it is about customer satisfaction, driver safety, regulatory compliance as well as maintenance and cost saving. The ST3030 lets you see what happens to your vehicles when they leave your site. Are they on track to get to the customer on time? Are they being driven economically and safely? Are they following the right routes?

Reporting & Alerts

Below are some of the main reports and alerts that are available for the ST3030. A full list of reports is available on request. Bespoke reports can be created to meet your specific requirements:

- + GPS Journey reports supply a snail trail of journey information including start, stop and locations in between.
- + Daily Report provides summary details of all journeys and activities.
- + Driver Reports provides driver score information and detailed information on RPM, Idling, acceleration, breaking and speeding.
- + Impact Detection report shows the level of impact, time and location both before and after the incident. Detected using the built in 3-axis precision accelerometer
- + Business/Private Mileage report can be configured to aid employee monthly vehicle administration.
- + Unauthorised Movement alerts are send when your vehicles are being operated outside of their allowed hours
- + Servicing & Maintenance alerts can help assist with schedule servicing and legally required maintenance.
- + All reports and alerts are pre-configured to your exact requirements and can be received by text or email.

Installation & Power

The ST3030 is a totally wireless self-contained unit that is simply plugged straight into the vehicle OBD port from which it is powered.

Specifications

- + Dimensions :43 x 64 x 25 mm
- + IP Rating: Rugged textured plastic enclosure
- + Weight: 52g
- + Temperature Range: - 30°C to + 75°C

Configuration

The ST3030 can be configured to send information anywhere between once a day to once a minute depending upon your requirements.

All configuration and update requests can be carried out over air using SMS and GPRS making it easy to change settings and update firmware.

Features

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- + Plug and play - Rapid self-installation
- + Live GPS positions
- + Detailed journey data
- + Utilisation information
- + Driver behaviour
- + Advanced crash detection
- + Speeding alerts
- + Acceleration, braking & idling
- + Unauthorised usage
- + Business & private mileage
- + Geofence technology
- + Start & stop data
- + Time on site reports
- + Towing & tamper alerts

SPECIFICATION

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ST3030 Specifications

Communication Modes	GPRS, CDMA, HSPA and LTE Cat 1 options
Location Technology	50+ channel GPS (with SBAS)
Messages	20,000 buffered messages
Geo-Fence	32 PEG-Zones (rectangular/circular) 1024 Geo-Zones (polygon/circular - 5400)
Configuration	Automatic over-the-air firmware and configuration updates via PULS

GPS Specifications

Location Technology	GPS
Enhancement Technology	SBAS: WAAS, EGNOS, MSAS, GAGAN
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	2.0m
AGPS capable	

Cellular Specifications

Data Support	UDP, TCP/IP and SMS packet data
Operating Bands (MHz band)	
GSM/GPRS	850/900/1800/1900
CDMA/1xRTT	850/1900
HSPA/UMTS	800(VI)/850(V)/900(VIII)/ 1700(IV)/1900(II)/2100(I)
LTE Cat 1	ATT: Bands 2, 4, 5, 12, and 13; plus HSPA fallback (Bands 2 and 5) Verizon: Bands 2, 4, and 13
HSPA data rates	5.6 Mbps up / 7.2 Mbps down
LTE Cat 1 Data Rates	5 Mbps up / 10 Mbps down
HSPA Fallback	EDGE/GPRS/GSM quad band

Development Support Options

Customised hardware and software development available on request

Certifications

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

Mounting

Built-in OBD-II connector

Connectors, SIM Access

Sim Access Internal
Built-in OBD-II/EOBD-II interface via J1962 compliant connector

Comprehensive I/O

OBD-II Interface	OBD-II interface: J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230, KWP 2000, ISO-15765 CAN
Output	None
Communications Status	LED's: OBD, Cellular and GPS
Serial Port	2-wire TTL Serial Interface (optional fit)
Bluetooth	Bluetooth 4.0 Dual Mode (optional fit)

Environmental Specifications

Temperature*	-30° to + 75°C (connected to primary power) -40° to +85°C (storage) Except Battery*
Humidity	95% R.H. @ 50°C non-condensing
Shock & Vibration	SAE J1455
EMC/EMI	CE, GCF, eMark
RoHS Compliant	

Physical Specifications

Dimensions	1.5 x 2.5 x 0.98" (43 x 64 x 25mm)
Weight	1.83oz / 52g (with battery)
Enclosure	Rugged textured plastic enclosure

Electrical Specifications

Operating Voltage	9-16 VDC Vehicle Systems
Sleep Mode	4.9mA @ 13V (deep sleep) 83mA @ 13V (normal operation) 66mA @ 13V (SMS+UDP connection, GPS off) 114mA @ 13V (continuous transmit)

OBD Data Extraction

Detection	Automatic detection of vehicle interface services
Extraction	Transmission of standard OBD-II codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack
Scripts	Download of vehicle specific diagnostic scripts dependent on vehicle model variant