

# GT-837 Plug & Go Tracking System

The GT-837 Plug & Go Tracking device is the latest generation vehicle activity monitoring and tracking device originally designed for the PAYD insurance market. However, the uses of this device range from commercial fleets to car dealer solutions or even concerned parents. The primary purpose of the device is to provide vehicle and driver activity information which can be utilised for risk, efficiency, safety, customer service, etc.

The information includes a wide variety of usage information including mileage, daily activity summary, driver behavior (i.e. speeding, harsh braking, curves at high speed, etc.), accident notification and reconstruction data and a variety of consumer added value services.

The unit can be either self installed directly to the vehicle's OBD-II port, or as a normal wired installation to power, ignition etc., via a certified installer.



## FEATURES

### **Automatic Vehicle Location [AVL]**

Using its onboard global positioning system (GPS) receiver the GT-837 provides accurate location information.

### **Daily Activity Summary**

The vehicle's daily activity summary is sent to the company back office systems. The summary information provides the insurers with advanced tools enabling the management of the risk profile associated with any given vehicle policy. Some of the information included in the summary: total driving hours, hours spent driving at night, odometer reading, number of speeding events, hours spent in high-risk areas and number of trips.

### **Driver Behaviour**

Actively monitors of abusive driver behaviour. Monitored parameters include harsh braking, excessive acceleration, speeding, over-revving and free-wheeling, curves at high speed, etc., The analysed information provides the tools to assess reckless driving and maximise safety.

### **Accident Reconstruction**

The GT-837 logs relevant vehicle data encompassing location, speed, direction and harsh braking on a second-by-second basis. On detecting an impact, the device automatically transmits the accident log to a centralised platform, providing the operator with an on-line accident notification and a reconstruction log of the events leading to the accident.

### **OBD-II Port**

The GT-837 plugs into the OBD-II port found in most vehicles and reads and derives information such as:

- Speed
- RPM
- VIN number
- Coolant Temperature
- Engine Load
- Battery Voltage
- Throttle Position
- Harsh Braking and Acceleration
- Distance travelled

Limits and thresholds can be programmed on the values to provide notifications if the parameters exceed acceptable limits.

*\*Availability of various OBD-II data may be vehicle dependent.*

### **Self Installed**

The GT-837 can be installed by means of plugging into the OBD-II port of the vehicle. The OBD-II port is available on most passenger vehicles within 2 feet of the driver seat. Access to the port generally requires no tools, allowing for self installation by the end customer. All required antennas are internal to the device. Provision for external antennas can be made on request.

### **USB**

The GT-837 includes a USB Host port as standard which allows for connection to external devices such as PND screen for the provision of value added services

### Battery Backup

The GT-837 includes a rechargeable Li-ION battery. On removal from the OBD II port, the device will notify the back office system of a unit power disconnect. In such event the GT-837 will carry on operating for a few more hours utilizing the back-up battery.

### Power Modes

Using intelligent technologies, the GT-837 switches intelligently between various power modes resulting in a significant reduction in power consumption while conserving the vehicle's battery.

### Geofence Management

Entry and exit of operator-defined geographical areas are monitored and reported. Each Geofence can be assigned a category and DTC actions.

### Dynamic Trigger Configuration (DTC)

Utilising an intelligent proprietary Dynamic Trigger Configuration (DTC) engine, user defined events and an associated action can be configured and applied over the air, providing an easily adaptable platform to dynamically changing requirements.

### Safe Mode

A safe mode profile can be triggered using a scotch call. The safe mode enables the monitoring of safety related features and text message notification of any breaches to a user-defined mobile number.

### Tow Detection

Unauthorized movement of the vehicle while ignition is off is notified by means of a text message to a user-defined mobile number.

## TECHNICAL SPECIFICATIONS

### Physical Characteristics

Dimensions:	L: 57mm W: 48mm H: 25mm
Enclosure:	Plastic
Weight:	65g

### Ports

OBD-II Protocols:	ISO-9141, ISO-14230, VPW, PWM, CAN
Serial Ports:	1
USB:	Host and Device
Driver ID Ports:	1

### Power

Power Input:	6V - 20V DC
Power Consumption	
Full Power Mode:	60mA average
Deep Sleep Mode:	2mA
Rechargeable Battery:	3 Hours

### Environment

Operating Temperature:	-30°C to +70°C
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### Communications

Cellular Platform:	Quad-band EGSM 850/900/1800/1900 MHz
GPRS	Class 10
Antenna	Internal

### GPS Receiver

uBlox 50 Channel, High Sensitivity, -160dBm	
Accuracy	2.5m
Antenna	Internal



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