

FleetMotus

Telematics Solutions

The **FleetMotus System** is a Vehicle Utilisation and Driver Behaviour hardware/software tool to monitor and manage fleets or individual vehicles to streamline their deployment reducing accident damage and abuse by encouraging appropriate driving methods. The regular and automated monitoring of vehicle fleets has been proven to save money from the initial installation with around 25% reduction in incidents and approximately 10-20% in fuel costs alone.

The system consists of a vehicle data collection device that connects with back office management software via the mobile phone network and internet/intranet.

Standby RSG has been providing Court of Law recognised, journey and incident vehicle data recording systems for over 15 years, where this has been achieved by working closely with both Fleet Managers and Collision Investigators, primarily in the demanding Emergency Services and Public Sector environments. As such it is now best placed to apply this knowledge and experience to other relevant industries.

FleetMotus Options

Nexu

The FleetMotus range consists of the Nexu and Nexu Lite plug and play devices. Simply plug the device into the OBDII port for real time tracking with GPS/GLONASS and GSM connectivity to collect vehicle co-ordinates and other useful vehicle movement data.

Minimus

The second option is the Minimus a very discreet hardwired data processing device with build-in antennas. Incorporating GSM (Mobile Phone Network) / GNSS (Satellite Navigation) and Blue tooth connectivity. Where Bluetooth peripherals can greatly expand device functionality wirelessly.

Medius

The third option is the Medius hardwired but very compact data processing unit with built in antennas. Incorporating 'new' generation GSM (Mobile Phone Network) / GNSS (Satellite Navigation) Modules to give the fastest 'cold' and 'hot' start-up times. Also, when linked with a suitable CAN Bus adaptor will monitor associated vehicle functions.

Magna

The fourth option is the Magna or Magna Elite hard wired data processing units. They also have GPS/GLONASS and GSM connectivity to collect vehicle location co-ordinates and parameters to facilitate real time tracking with the Elite having the addition of a LV CAN adaptor and/or an RFID Driver ID card reader to provide additional information regarding the drivers and their behaviour.

Each system can facilitate either a locally hosted server or a cloud based web service.

Whether the system operates on a dedicated locally hosted server or a web based service this is via the license incorporated within the purchase of the vehicle device, unless multiple users are required in which case extra user licenses must be procured separately.

FleetMotus Common Features

- **Live Vehicle Tracking**
 - Updates nominally set at 20 seconds or when a parameter (acceleration, braking or cornering) is exceeded by a pre-set amount
 - Update period can be set to less than 20 seconds, but will increase data usage and associated fee
 - Update period can be reduced from 20 seconds, but not normally necessary as a pre-set parameter could be exceeded first
 - Update period can be increased beyond 20 seconds if more appropriate to a specific application and can be set to automatically increased when vehicle is stationary or device is put to 'sleep'
- **History Journey Viewing**
 - View part, single or multiple journeys
 - Home in on key events, exceptions and infringements
- **Live or Historic Virtual Dashboard**
 - Shows vehicle status/usage
 - Various formats available for best application
- **Geo Fencing**
 - Areas of interest linked to alerts and reports
- **Points of Interest Import**
 - User or postcode defined
- **Vehicle Type and Location Tagging**
 - Facilitates simplified views and like for like reports
- **Urgent Alerts and Events**
 - Notification via SMS text message
- **Typical Email Alerts with Scheduled Reports**
 - Vehicle Utilisation Report
 - Idle Vehicle Report (ignition 'ON' with vehicle not moving)
 - Special Lazy Vehicle Report (ignition 'OFF' in Geo Fenced locations)
 - Over Speed Reports
 - Harsh Braking and Acceleration Reports
 - Vehicle Battery Monitoring
 - Stolen or Towed Vehicle Alert
- **Internal Battery Back-up**
 - Units operate for 30 minutes plus when vehicle supply disconnected.



FleetMotus Devices Overview

Nexu Lite DLH-315

Easy plug and play tracking device

The FleetMotus Nexu Lite plugs into the OBDII port for an easy plug and play real time tracking terminal.

Built-in GPS/GPRS connectivity collects device co-ordinates and other vehicle movement data and transfer it to the system host platform or client server.

Typical applications: This device is perfectly suited for applications where the acquirement of location and remote mobile assets is required for: fleet management, vehicle rental companies, taxi firms, personal cars on public highways as well as plant and agricultural off-road vehicles.



Nexu II DLH-310

Advanced plug and play tracking device

The FleetMotus Nexu II plugs into the OBDII port for an advanced plug and play real time tracking terminal.

Built-in GPS/GPRS connectivity collects device co-ordinates and other vehicle movement data including that from the vehicle on-board computer and transfer it to the system host platform or client server.

Typical applications: This device is perfectly suited for applications where the acquirement of location and remote mobile assets is required for: fleet management, vehicle rental companies, taxi firms, personal cars on public highways as well as plant and agricultural off-road vehicles.



Minimus DLH-423

Discreet Vehicle Movement and Data Recorder

The FleetMotus Minimus is a discreet hardwired device data processing unit with built in antennas.

It is a light real-time tracking terminal with GPS/GPRS modules as well Bluetooth connectivity, which collects device coordinates and other data and transfers to a server. Bluetooth peripherals expand the devices wireless functionality.

Typical Applications: Where there is a location requirement for remote objects such as for security, fleet management, car rental companies, taxi firms, public transport, logistic companies, personal vehicles and many more.



Medius DLH-422

Compact Vehicle Movement and Data Recorder

The FleetMotus Medius is a hardwired and compact data processing unit with built in antennas.

Incorporating latest generation GPS/GPRS modules to give the fastest 'cold' and 'hot' start-up times. When linked with a suitable CAN Bus adaptor will monitor associated vehicle functions. The Medius collects device co-ordinates and vehicle movement data to transfer them to the systems Host Platform or Client Server.

Typical Applications: These would be like those for Nexu Lite and Nexu II devices, but with the ability to monitor and record extra vehicle signals or those from auxiliary equipment.



Magna II DLH-421

Standard vehicle movement and data recorder

The FleetMotus Magna II is a hard wired data processing terminal for real time vehicle movement and data recording.

Built-in GPS/GPRS connectivity is able to collect device location co-ordinates and parameters to facilitate real time tracking, monitoring of movement and operational data, and transfer it to the system host platform or client server.

In the event of loss of signal coverage the FleetMotus Magna can store more than 16,000 records, once the connection is re-established stored data is sent to the server so that it is not lost.



Magna Elite DLH-316

Advanced vehicle movement and data recorder

The FleetMotus Magna Elite has all the features and functions of the standard Magna unit but with the addition of either an RFID Driver ID Card Reader module or i-button and/or Light Vehicle CAN Bus adaptor.

It can provide additional data such as 'who' is driving the vehicle, 'how' it is being driven and 'what' the vehicle is doing as well as monitoring auxiliary equipment.



 **FleetMotus**