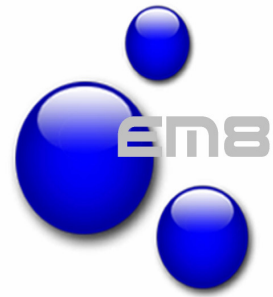


Installation Manual



FleetM8 System With eM8 Technology

Revision 251008

Congratulations on the purchase of FleetM8, your intelligent tracking and tracing system.

If you haven't already done so; turn on your computer, download and install your WAY application from <http://www.fleetm8.com>. Once it's installed, login using the user name and password provided when you purchased FleetM8! To view live and historic data you also need a FleetM8 unit installed within the vehicle.

Safety First

It is recommended that you should disconnect the vehicle battery while installing this or any other automotive electronic product

TABLE OF CONTENTS

Section Heading	Page
1. Introduction	3
2. Selecting the Units Location	3
3. Antenna Description	4
4. Locating Vehicle Power	5

1. Introduction

This manual describes the installation of the FleetM8 unit and should be used to ensure a safe and functional installation. The unit connects directly to the vehicle's power and will operate within a supply voltage range of between 3 to 32 volts. There is no on-off switch, the unit operates 24 hours a day and must be energised to intelligently trace vehicle events. The unit must be connected to a fused power source. The fuse protects the power cable should there be a short in the cable between the fuse and the FleetM8 unit. Use care when routing the power cable. Route the cables where they will be protected and use commonly accepted installation practices for automotive electronic devices. Crimp connectors are provided. The use of a crimping tool is recommended. Ensure that the connection is mechanically sound and properly insulated. Use high quality electrical tape or shrink tubing. Low quality tape will unravel in hot weather making it a poor insulator.

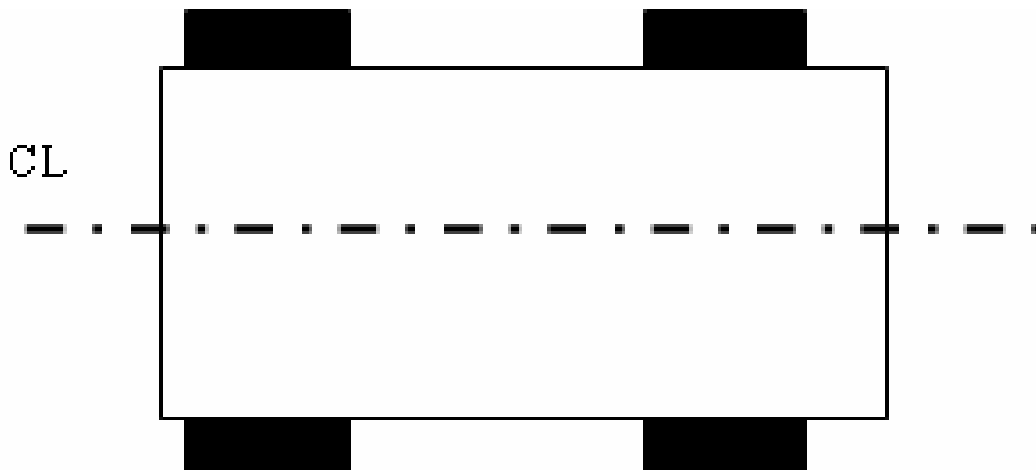
2. Selecting the Units Location

The FleetM8 unit is supplied with a power cable. It should be mounted so it will not be exposed to damage from people or objects. The cables that connect to the unit should also be routed to protect them from possible damage. The locating unit has a mounting base and flange with two mounting holes. Normal installation is with these two holes secured by nut and bolt or self tapping screws. The unit must be mounted in a dry location where it will not be exposed to direct sunlight or excessive heat generated by the vehicle operation. Typical examples of mounting locations are in the boot, under the dash, under the centre console and behind the glove compartment.

3. Antenna Description

The system requires two antennas. The GPS antenna is for receiving signals from the satellites. The second antenna is directly attached to the unit and is a radio transceiver antenna that communicates with the eM8 server network. The GPS antenna is supplied with a factory fitted cable and must be connected directly to the unit.

There are 24 satellites in the system and generally there are at least 5 satellites orbiting overhead at any one time. The GPS antenna must be positioned to receive signals from these satellites. The antenna location must be selected carefully so that the antenna can receive the satellite signals. The eM8 system is expecting to receive signals from the vehicle, relevant to the centre of road lanes, therefore the GPS antenna should be located on the centre line of the vehicle.



The GPS antenna is designed to be outside the vehicle. Ideally, the antenna should be located allowing line of sight reception from the satellites in orbit above. The satellite signals will pass through glass if it is not coated with a metallic film.

4. Locating Vehicle Power

The unit has an internal power management program that monitors the vehicle power at all times. The management program is continuously looking at the condition of the vehicle battery.

Possible sources/connection points are the main fuse block panel or a connection point where the vehicle charging circuits are connected to the system. The power cable can be shortened if needed, however this is not recommended.

- A) Connect the green lead to the vehicle chassis (ground).
- B) Connect the white lead to the vehicle's ignition positive power supply. Normally the cigarette lighter supply is ideal *
- C) Connect the red lead to the vehicle's fused positive supply
- D) The black lead is not used.

* A cigarette lighter connection should only be used if there is no power to it when the engine is switched off. If this is not the case an alternative connection point should be used.

It is important to insulate the wires not being used on the wire harness during the installation.

Improper insulation could result in short circuits and inaccurate notifications.

The unit has diagnostic LED's that will be used to verify its operation by FleetM8. These LED's are not normally used by the installer or owner.

E-Mail : support@FleetM8.com