EN

Installation Manual

VisiRun™

Complete Fleet Management

In the box

The VisiRun GPS Tracker is supplied with:

1. The VisiRun GPS tracker.
2. GPS/GSM combined Antenna with black cable (3m length).
3. Power cable with 14 pin MOLEX connector, ready for the connection to a permanent power source of 12/24 Volt DC, ignition key connection, digital input, digital output and analogue input.
4. Mounting bracket with self-tapping screws.

GPS TRACKER CONFIGURATION

The VisiRun GPS Tracker is already configured and ready to use. It's identified by a unique **SERIAL NUMBER** indicated on the top side of the device itself. To start using the tracker, you have only to plug it to a power source and connect the GPS/GSM antenna as indicated in this manual.

GPS TRACKER PLACEMENT ON BOARD

The VisiRun GPS Tracker must be positioned **using the GPS/GSM antenna** supplied. Place the device anywhere **INSIDE the vehicle** (for example: under the dashboard, behind the radio, in the fuse compartment). See below for instructions on how to connect the GPS/GSM antenna.

NOTICE

The device is not guaranteed to work if placed outside the passenger compartment, like the engine compartment, as it requires an operational temperature in the range of -20/+60 °C.

CONNECTION AND CORRECT POSITION OF GPS/GSM ANTENNA

The GPS/GSM Antenna supplied is composed by:

- The GPS/GSM signal reception element (rounded, black element);
- 3m double-wire connection cable;
- 2 pins for tracker connection:
  - GPS with Male/GOLD connector
  - GSM with Female/STEEL connector

To connect the GPS/GSM Antenna to the BACK of the VisiRun tracker you have to:

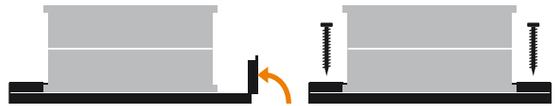
1. Connect and screw without excessive pressure the Male/GOLD GPS pin to the GPS marked connector on the back of the tracker;
2. Connect and screw without excessive pressure the Female/STEEL GSM pin to the GSM marked connector on the back of the tracker.

NOTICE

For proper GPS signal reception, you must place the signal reception round element in a point near the windshield, like the dashboard of the vehicle. You can hide the whole antenna inside the dashboard or somewhere else, AS LONG AS it is covered only by plastic, glass, wood. You cannot cover the receiving element with metal as it will shield the GPS signal.

Using the mounting bracket

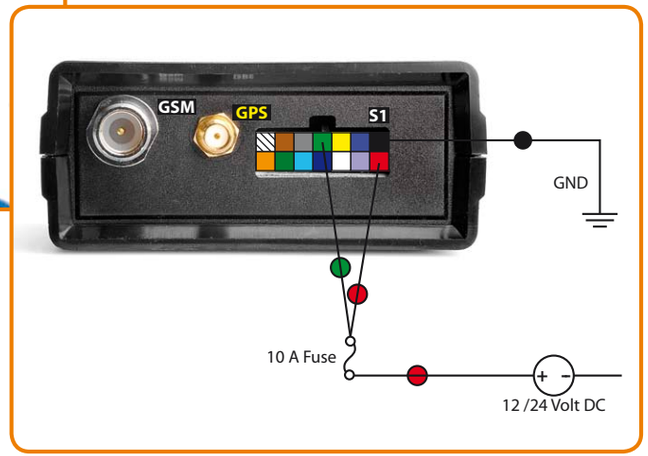
To ensure the proper identification of vehicle's vibrations, the GPS device must be installed using the special plastic bracket supplied with the kit. Just fold the open flap like the one already closed and fix the bracket permanently with the self-tapping screws.



POWER CABLE CONNECTION

1. Plug the 14-pins Molex connector into the back of the device, using the outlet marked as S1;

2. The GPS tracker has a fuse holder already connected to the power cable provided. Just connect the RED and BLACK wires to the vehicle's power supply of 12V or 24V. Please connect:
   - the RED wire to the POSITIVE (+) pole;
   - the BLACK wire to the NEGATIVE (-) pole.



NOTICE

The power source must be permanent. The GPS device must be powered even when the vehicle's engine is turned off. This is not dangerous for the vehicle's security, given the device's very low absorption. The GPS tracker has an internal backup battery that, if connected to NON PERMANENT power supply (example: cigarette lighter), would be damaged in a few months.

VisiRun Tracker Installation Check

After the installation, please check with the diagnostic LED the correct behavior of the GPS tracker following these specifications:

LEFT LED (GPS) ON RED if the GPS signal is correctly acquired.

CENTRAL LED (BATTERY) ON ORANGE during the charging cycle of the internal battery.

RIGHT LED (GSM) BLINKING TWICE YELLOW if the device is correctly powered.

NOTICE

The GPS device transmits data only when the vehicle is moving. After installing the GPS tracker on a vehicle, you will be able to see the vehicle on the map for the first time only after it has been moving. The first localization of the vehicle can take a maximum from 5 to 10 minutes. They are normal technical time required only the first time after the installation of the tracking device.

VisiRun™

Tracker activation

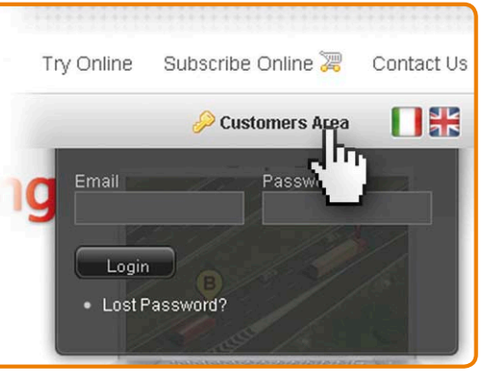
The VisiRun Tracker is already configured and ready to use.

go to: **www.visirun.com**

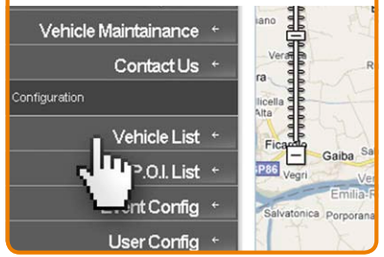
to associate each GPS Device to your vehicle lists.
Each vehicle will appear on the map on VisiRun.com

1. Click on the [Customers Area] and enter your e-mail and password.

If you don't remember your username or password, use the link [Lost Password?] on the site.

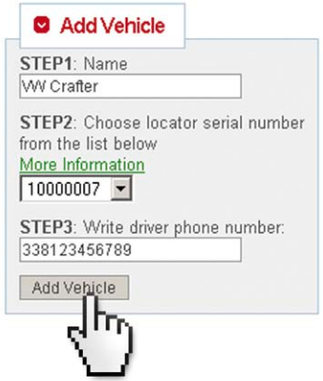


2. Click on [Vehicle List] on the main menu on the left side of the page.



3. Fill all the fields on the form [Add Vehicle]

- Indicate the vehicle's name (using a personal identifier);
- Click on the drop-down list to display the list of GPS devices serial numbers not yet associated to any vehicles. Select the SERIAL NUMBER which is also printed on the top side of the device itself;
- Insert the driver's phone number.



4. Click on [Add Vehicle] to submit all the information entered.

5. Click on the [Pencil] (on the right side of the field *SERIAL NUMBER*) if you want to associate the GPS Tracker to an existing vehicle.

NOTICE

The GPS device transmits data only when the vehicle is moving. After installing the GPS tracker on a vehicle, you will be able to see the vehicle on the map for the first time only after it has been moving. The first localization of the vehicle can take a maximum from 5 to 10 minutes. They are normal technical time required only the first time after the installation of the tracking device.

FOR ANY
Assistance
send an email to: **helpdesk@visirun.com**

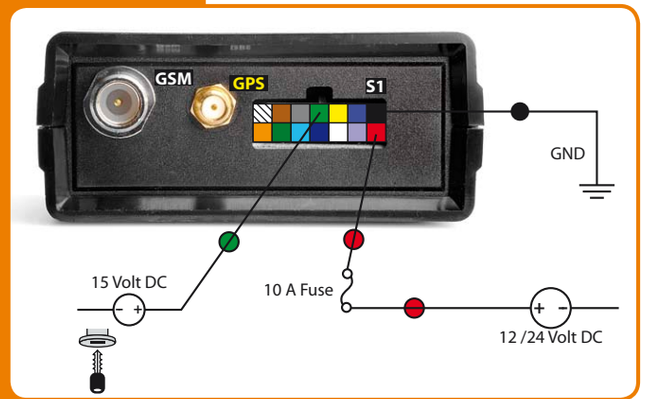
VisiRun™

Optional services:

GREEN WIRE

RECOMMENDED OPTION IGNITION KEY CONNECTION

To obtain the maximum level of movements notification and to control and report the ENGINE USAGE HOURS, it's recommended to connect the tracker to the ignition key, within the GREEN wire available out of the MOLEX connector.
Normally, the GREEN wire is connected to the RED one for power connection into the fuse holder. If you need to know every engine activation and obtain the maximum level of notification regarding vehicle's movement, you need to cut the GREEN wire just before entering the fuse holder, and connect it to a power source that's equal or greater to 8 Volts with engine started, less than 1,5 Volts with engine stopped.



NOTICE

If you opt for this type of installation without having specified it during the order, please contact the technical support to request the remote configuration update, indicating the device serial number for the parameters reconfiguration.

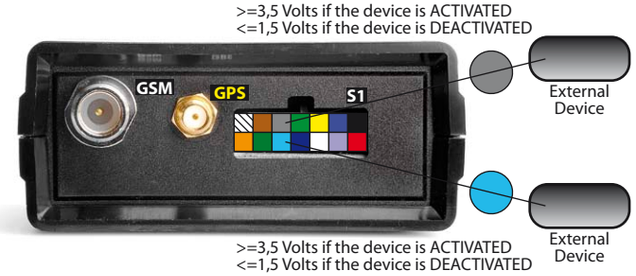
CYAN AND GRAY WIRES

DIGITAL INPUTS OPTION

For monitoring ON-OFF state changes of external digital devices (ex. anti-theft button, loading door sensors, PTOs , sirens etc.) The **CYAN** and **GRAY** wires on the MOLEX should receive an input control of voltage that's:

- 1,5 Volt or less if the device is deactivated (OFF);
- 3,5 Volt or greater if the device is activated (ON).

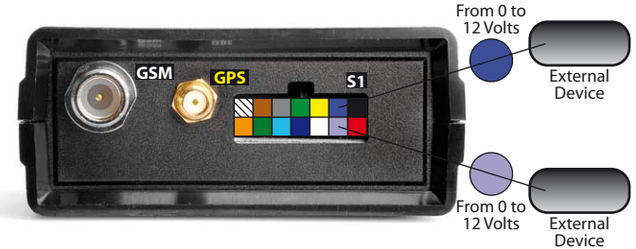
Simply connect the cables to a specified output voltage driven of the devices to monitor theirs ON/OFF state changes. On our website **www.visirun.com** you can configure the related events for notifications of changes in status of external devices connected to the GPS tracker, showed on the Route information and on the Event List (and notified by e-mail and SMS if correctly configured) every time the remote devices are activated and deactivated.



BLUE AND PURPLE WIRES

ANALOGUE INPUTS OPTION

To obtain analogue information from external sensors, for example temperature and fuel level information
The BLUE and PURPLE wires available on the MOLEX connector admit power source between 0 a 12 Volts that will be converted to temperature or fuel level values by the tracker, using compatible conversion algorithms.
To connect the analogue inputs to external sensors you have to take contact with Mobivision S.r.l. technical assistance.

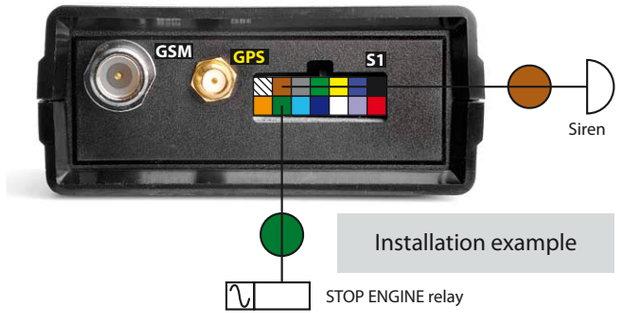


GREEN AND BROWN WIRES

DIGITAL OUTPUTS OPTION

To remotely control activation and deactivation of external devices
(like RELAYS, Lamps, Stop Engine Devices, Sirens, etc.)

The BROWN and GREEN wires **(NB: the GREEN one on the same line of the PURPLE one)** on the MOLEX connector have to be connected to a RELAY or other device in this way:



Installation example

- When the tracker output has been activated, the electric can flow to +Vdc through the external device **(with a max of 300mA and 0,25V at 300mA)** and can activate the device itself (ex. activation of the relay for the stop engine control device);
- When the tracker output has been deactivated the electric cannot flow leaving the external device deactivated.

On the website **www.VisiRun.com** you'll be able to remotely control the activation and deactivation of external devices.

NOTICE

The unused wires have to maintain their rubber sheath untouched, to avoid accidental power or ground connections.

VisiRun™

Powered by

Mobi·Vision
APPLICAZIONI IN MOVIMENTO

FOR ANY
Assistance
send an email to: **helpdesk@visirun.com**

www.visirun.com


VisiRun™
Powered by
Mobi-Vision
APPLICAZIONI IN MOVIMENTO
MobiVision srl
via Zucchini, 79 | 44122 Ferrara [Italy]
tel. +39 0532 1861717
www.visirun.com
grafema.net©2010
Saint-Dié-des-Vosges
Epinal
Mulhouse
Vesoul
Belfort
Montbéliard
Besançon
La Chaux-de-Fonds
Neuchâtel
Yverdon-les-Bains
Lausanne
Genève
Annemasse
Annecy
Aix-les-Bains
Chambéry
Grenoble
Voiron
Vif
Pinerolo
E23
E60
E21
E62
E712
E25
E70
E713