



Installation Guide



Specifications subject to change without notice. GSM coverage required. Self Track UK is not responsible for the operation or failure of operation of GPS satellites or the availability of GPS satellite signals or the operation or failure of operation GSM network and GSM network signal strength.

GPS Tracking With Pinpoint Accuracy

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1.5 Pro

Introduction

The tracker is a GPS tracking device it has various installation and configuration options. The installation guide is for a vehicle or asset with a constant Dc power supply, by using the Vehicle Adapter Module (VAM). Or by using an external battery.

Applications and Contents



The Tracker must be connected to an external DC power source The Vehicle Adapter Module (VAM). Contains an internal, rechargeable, Back up battery which will keep the tracker running for a number of hour. Even after the power as been cut.

Check the contents of the tracker, to ensure you have all of the following

1. 1 x Tracker unit
2. 1 x Vehicle Adapter Module
3. 1 x External GPS Antenna
4. 1 x Mounting bracket (Optional)
5. 1 x External battery (if supplied)

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Selecting an installation point and guidelines

It is important to select your preferred location prior to the installation to achieve the best combination of performance and suitability for your tracking device.

The 1.5 Pro come equipped with an internal GSM and GPS antenna, also can be fitted with an external GPS antenna. You would use the external antenna option, in cases where the tracker itself needs to be installed covertly or in a location, that would impede the GPS signals and to aid in easy fitting.

Both antennas will work through non-conductive materials such as glass, plastic, wood or fabrics.

Try and pick a location where there is as little metal as possible between the, internal or external antenna and the sky.

It's not the thickness of metal that counts — it's the percentage of the sky that is blocked by metal. Blocking the horizon is not as bad as blocking the view vertically.

Orientation

For the best performance and weather resistance the tracker should be mounted with the top of the tracker (blue face) facing the sky. It can be mounted on top of a horizontal surface or under a horizontal surface (non-conductive).

If you are using the external GPS antenna, the

top of the antenna should face to the sky.

Also, if using the external GPS antenna, the orientation

of the beacon is not as important, as cellular signals are more robust than GPS signals.



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Environment

The tracker is weather resistant but can not be submerged or exposed to forced water spray, such as in the wheel arch.

Visibility

As a theft recovery device the tracker should be placed covertly. If it is easily seen and identified, it will likely be removed or destroyed.

Power

If Dc power is not available near the mounting location, you may have to add an extension wire. The VAM can also be fixed to an external battery, for tracking non-powered assets.

Temperature

The trackers operating temperature are between 15 F and 130 F (-10c +55c) Try not to place the tracker next to the engine.

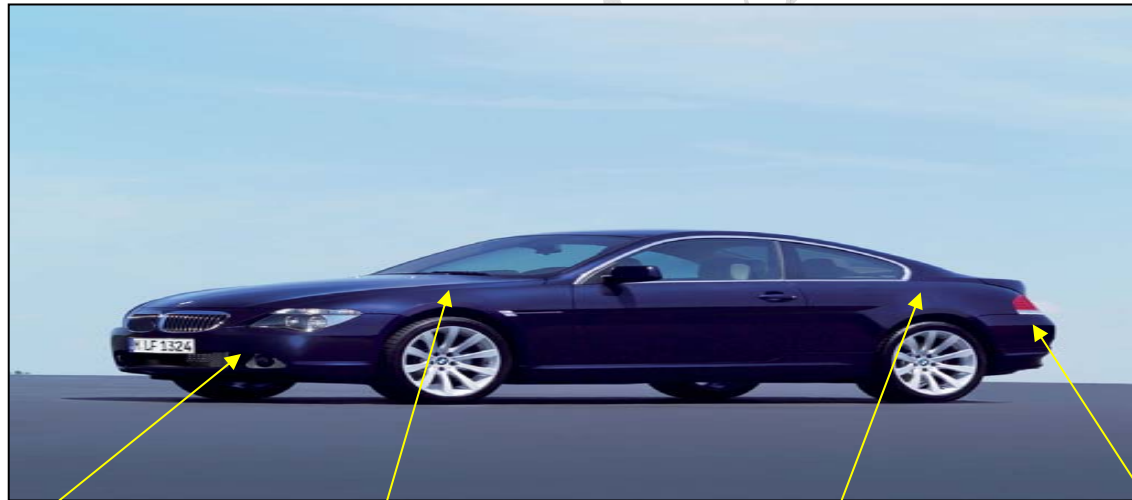
Vibration

Do not attach the tracker to a vehicle component that is likely to experience high vibration

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Suggested installation locations



Inside the bumper

Front Dash board

Rear parcel shelf

Rear indicator

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Installing the external antenna

If you are using the external GPS antenna with your installation, start by selecting the location for the antenna. Mount the antenna with the top of the antenna facing the sky. The antenna has a built-in magnet to help with quick installations. But you may wish to use glue or epoxy for a more secure installation. Run the antenna wire to the tracker ensuring that the wire will not be pinched or kinked, As this will degrade the GPS signal transmission to the Tracker.

On the Tracker the external antenna plug should be capped with A circular screw cover (see photo). Remove the screw cover and plug the antenna into the connector. The antenna should click into place and create a secure, tight connection. Do not force the antenna into place as this may damage the beacon or the antenna.



External antenna housing.
Remove by unscrewing anti
clock wise

If you are using the external antenna please remember that the tracker is now not water resisternt.

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Connecting the VAM

If the Vehicle Adapter Module (VAM) is attached to the tracker, first remove it by unscrewing the cover plate, pressing the two release mechanisms, Then lifting the VAM out of the tracker Unit.

The VAM must be disconnected from the tracker prior to connecting power.

The VAM must be connected to a continuous live feed, non-switched DC source Of power. (9 to 32 volts DC)

The red wire is the positive lead and the black wire is Earth.

Ensure with a voltmeter that the voltage source remains on when the vehicle's engine is off.

The two yellow wires one not used in this installation. Tape the yellow wire off.

As these, can be used later if needed.



Once the power connections are complete, insert the VAM into the tracker. You may need to remove a molded rubber spacer from the Channel where the VAM wiring exits the tracker. Secure the VAM to the tracker by first snapping it in place then positioning The wires into the channel with the molded rubber sealer. After the VAM is in place, position the removable cover over it And fasten it in place by tightening the threaded fastener—do not over tighten.

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Testing and mounting the tracker

Check the LED on the side of the tracker, to see that power is on.
For the first few minutes the indicator LED may be on steady but should begin flashing,
Fasten the tracker solidly in place (at the previously selected installation location)
Using either the optional mounting brackets (sold separately),
Cable ties are another secure and robust mounting method.

It may take the tracker up-to one hour to find its first location.
By Acquiring a GPS signal, when first installed.

LED Light



Tracker fitted next to battery housing with velcro