

GPS Tracker AVL VT300

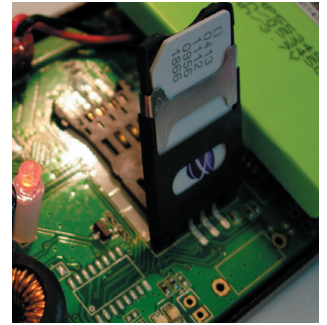
UK manual

Insert the SIM card:

SIM card may not have PIN code active. Can be examined in a normal mobile phone. And changed if necessary.

Open the box by removing the 4 screws.

Slide the metal bracket down and push up the SIM card holder. (Picture). And paste / replace the SIM card. Remember to push the metal bracket up again when the holder is down. The angled side is marked on the PCB.



Mounting: (When SIM card is mount)

Red wire to + 12VDC (9-36 VDC)

Black wire to ground. Minus battery.

The tracker is not waterproof, so it must be installed in a dry place.

The long antenna GSM, installed in GSM antenna connector on VT300, and placed where there is room. (Not critical)

The square GPS antenna mounted in GPS antenna connector on VT300. Put the antenna outside (Best) or under bonnet / boot lid. It is magnetic. (If the location fails, set it outside) Important that correct antenna, are installed in the correct slot.



Write your tracker phone number here: _____

The transparent plastic bag:

VT300 be in the engine compartment, it is possible for extra protection for water and dirt, the use of the bag. The long strips are to buckle VT300 stuck with. The tracker is not waterproof.

The Red Lamp:

Constant light: When you first connect an external voltage or when the battery is charging, it will remain lit until the battery is charged.

Blinking at 1 sec. ON and 2 sec. OFF when the internal battery is charged and VT300 is turned on properly. Lights weak when tracker is turned off, but added + DC Volt to VT300.

Flashing fast 0.1 sec / 0.1 sec when the backup battery voltage is low. (Keep app. 6 hours after power loss)

Into service:

Since the SIM card (phone card) is inserted, it is simply sending an SMS to the phone number listed on your calling card. Send text: W000000,100 (W 6 zeros point one zero zero) Be very aware that some smartphones insert space after the comma or change a comma to a sentence.

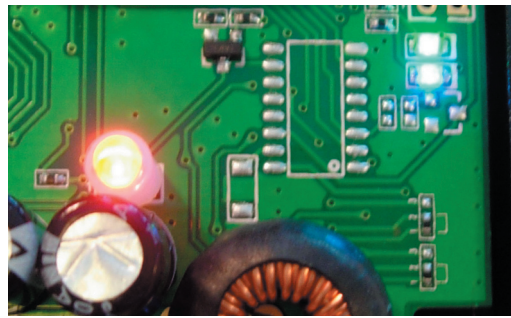
When the tracker VT300 responds back, open the file, the supplied link, and VT300 position is displayed. (The first time it may take 10 minutes before it accurate, current address shown.)

A little technique:

The Green and Blue LED:

Inside Tracker is a green and a blue LED that flashes. The green LED is GSM mobile phone which lights 0.1 seconds and pause for 2 seconds when it is working properly and lights 1 second and pause for 2 seconds when it does not work. (Compare the time with the red LED 1 sec flashing)

The blue LED is GPS signal, is connected to the satellites. Lights 0.1s and pause for 2 seconds when it works and lights 1 second and pause for 2 seconds when it does not work.

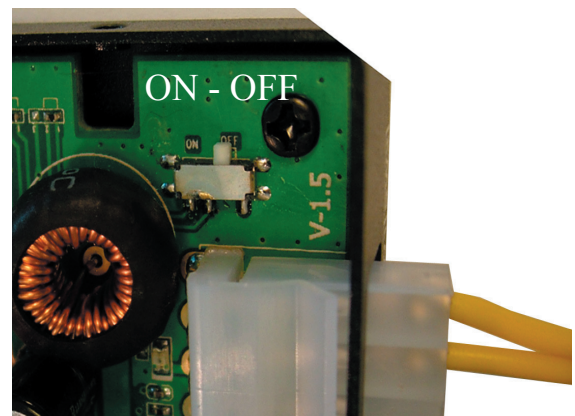


Green LED
GSM
Blue LED
GPS

The yellow wires:

Outside turn ON / OFF the tracker can be done by cutting the yellow wire. Coming from the power connector. Insert an external switch in the yellow wire. Inside switch must be OFF.

The switch inside the box provided in the OFF position. If place this switch in the ON position, the tracker VT300 constantly ON even if the yellow wire disconnected.



Specification

Power Supply: +9V - +36V / 1.5A

Backup Battery: 850mAh. (St.by. power consumption: 85mA/h)

Dimension: 115mm x 60mm x 21mm

Weight: 140g

Operating temperature: -20° to 55° C

Humidity: 5% to 95% Non-condensing

Frequency: GSM 900/1800/1900Mhz

GPS Chipset: latest GPS SIRF-Star III chipset

GPS Sensitivity: -159dB

GPS Frequency: L1, 1575.42 MHz

C/A Code: 1.023 MHz chip rate

Channels: 20 channel all-in-view tracking

Position Accuracy: 10 meters, 2D RMS

Velocity Accuracy: 0.1 m/s

Time Accuracy: 1 us synchronized to GPS time

Default datum: WGS-84

Reacquisition: 0.1 sec., average

Hot start: 1 sec., average

Warm start: 38 sec., average

Cold start: 42 sec., average

Altitude Limit: 18,000 meters (60,000 feet) max.

Velocity Limit: 515 meters/second (1000 knots) max.

LED: 1 LED light to show working status.