

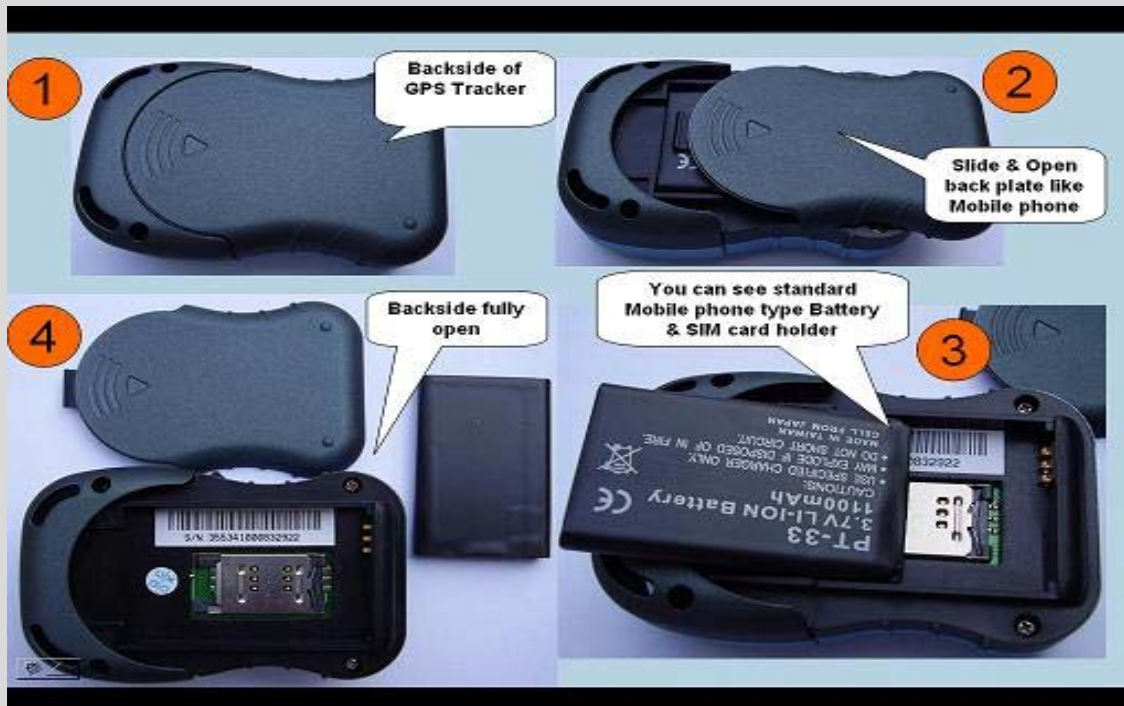
GPS Tracker v2 : Features & Specifications



Introduction:

GPS tracker is fully integrated GPS and GPRS unit with large memory, in-built battery, in-built GPS & GPRS antennas and many features that make it world's most integrated and compact tracking unit. You can carry it in your pocket like mobile phone or can install it in your car. On single battery recharge it will work for approx 6-8 hours but when you keep it in car/home you can keep it on continuous charge using charges provided with it. Unlike some personal trackers available in the market, GPS Tracker is always online with the server and has many advanced features that allow it to work as Personal Tracker, Vehicle Tracker and Security System.

Both GPS antenna and GSM antennas have been integrated inside the unit; There are no open wires at all. Complete system is packed in a compact plastic housing of the same size as most mobile phones. It has integrated replaceable Li-On battery like Mobile phone, which can run it for 6-8 hours without recharge. You can charge and carry the unit in your pocket or keep it on constant charge using Car Charger provided. You can also charge it at home using Mains charger or on travel using Laptop USB charger. Previous devices could only be used for vehicle tracking whereas the device provided by us can be used for any tracking application like child tracking, elderly person tracking, animal tracking, patient monitoring etc.



Hardware Feature:

- **Inbuilt Antennas** - The GPS and GSM modules as well as antennas are integrated inside the tracking unit case. Most other products have GPS 7 GSM antennas as external wires. These wires can be tampered or unscrewed easily which make it in-secure installation.
- **Quad-band GSM 850/900/1800/1900 MHz** : GPS Tracker is Quad band means it support all GSM frequency and use the latest technology modules and can work anywhere in the world. Most other products are Dual-band or Tri band, which not only means that they may not work in some countries but also that they are using old technology modules which may have performance issues. e.g. all latest smart phones are Quad-band.
- **Live GPRS Support** - You may find some products in the market that call themselves Personal Trackers. These devices are for personal security only. They do not have 24hrs Live GPRS connectivity capability and features related to Vehicle tracking. They are only for personal use and lack important features.

- **Inbuilt Memory** - GPS tracker has inbuilt memory to save large number of logs like a GPS data logger. it can save upto 90000 logs in its memory. Though these logs can be only downloaded to PC. But in case you want to check the last 1-month path followed by the vehicle, you can download the logs and find the same.
- **Built in motion Sensor** - This allow the unit to be mounted in any position. it can automatically detect if the vehicle is stopped and will switch some functionalities off so that Battery life can be increased.
- **Power On/ Off Switch** - It has simple switch that can put the device on/off. This prevent battery drainage when you do not need the device to function.
- **Panic/SOS Button:** It has well positioned SOS/panic button integrated on the unit itself for easy usage.
- **Microphone & Headphone** - In-built Microphone on the unit. So the user/driver can talk to control center that can call the device. Voice capability need that your SIM plan has Voice activated. Default SIM plans has Voice Deactivated. Headphone is only for speakers and Mic in already inbuilt.
- **Battery Li-ion 3.7 Volt (small version)** - It uses a Standard rechargeable Li ON battery very similar to Mobile Phones. In case your battery is lost or damaged, you can buy a similar battery form local market.
- **Easy & Multiple Charging Methods** - GPS Tracker support several charging methods on the go. You can charge it with its mains Charger that support universal 110-240VAC input meeting both Indian and international standards. Secondly it comes with Car charger to be charged in car easily while traveling. If you are in office or traveling you can Directly Charge it from your laptop using the USB cable provided. It can also be charged using External Mobile Emergency batteries that can increase its battery life to nearly 24Hrs. You can also use Standard 3.7Vdc mobile phone batteries like used in Nokia phones with GPS Tracker in case its battery gets drained and you have not Charger available.
- **Mini USB Port** - Serial/USB (1200 to 38400 baud Rate) for external communication, firmware upgrade, GPS data output and battery charging. You can also use mini-USB chargers available in the market like for Motorola phones and most Latest Phones, Digital cameras and i-PODs.
- **4 LED Indicators** - Easy to see LED indicators for Power, GPS, GSM and one reserved for Blue tooth communication in future.

Other in-built Software Features:

- Send Panic message and location to the server via GPRS, SMS and Voice
- Listen in remotely: If you have SIM card with Voice plan activated. Then you can Dial its number and listen to the conversation happening in the remote location or vehicle.
- Real time tracking using SMS and GPRS
- Navigation data output on USB (serial port) at 9600 or 4800 Baud rate (optional)

Physical Characteristics:

- Unit size: 86 * 57 * 27.4mm (height)
- Weight: 110 g
- Plastic ABS
- Case environmental characteristics
- Operational temperature: -20C to +60C (board temperature)

Electrical Characteristics:

- Input voltage: + 5 Volt (Battery Charge) 250 mA max.
- Full power mode (GSM+GPS) 150mA (7 hours).
- Online mode (GSM+ GPS online, Bluetooth off) 90mA.(12hours).
- Standby mode (GSM online, GPS & Bluetooth off line) >15mA. (73 hours).
- Backup power: Li-ion - 1100 mA, Rechargeable

GPS Specifications:

- Some GPS trackers use GPS Sirf III chipsets but now the latest one support even more advanced GPS u-Blox Module
- Receiver type: L1 frequency, C/A Code, 20 channel
- Accuracy (SA off): Position < 10M 2DRMS
- **Tracking sensitivity: -159dBm (at the receiver input).** Most other products are -158 dBm or -152dBm. Tracking sensitivity must be highest.
- Operational limits: Altitude < 18,000m (60,000ft) velocity < 515m/s (1,000knots)
- Time To First Fix (TTFF): Cold start 60sec (typical)
- Warm start 38sec (typical)
- Hot start < 8sec (typical)
- Re-acquisition Time 3sec. typical (within 5sec. Block out)
- 5sec typical (within 60sec block out)

Standard Packaging List

1. GPS Personal Tracker Unit
2. Ear Phone
3. Car & Wall Charger
4. USB Data/Charging cable
5. LiOn Battery

Accessories with GPS Tracker:



How to Power On the GPS Tracker?

For Single Point Solution from Designing to After Sales & Service. Please contact



COMPTRONIC SOLUTIONS

14/2, Old China Bazar Street, 3rd Floor, Suite No. 202, Kolkata - 700 001, INDIA

Phone : 91-33-2242-4094 / 2231-8007 • Telefax : 91-33-2242-0492

E-mail : info@comptronicsolutions.com • Website : www.comptronicsolutions.com

Our Partner