



# GSatTrack

## GST-200GL

### GPS Locator With Compact Size

The GST-200GL is a powerful GPS Tracker designed for vehicle, pet and asset tracking. With superior receive sensitivity, fast TTFF (Time to First Fix) and Quad-band GSM frequencies 850/900/1800/1900 its location can be monitored in real time or periodically tracked by GSatTrack via an web browser, anywhere in the world.

The GST-200GL can communicate with the GSatTrack servers through the GPRS/GSM network (or SMS) to report Emergency Alerts, Geo-Fence boundary crossings, Low Battery and scheduled GPS positions along with several other advanced reporting features.

Built-in 3D Motion Sensor

Water Resistance

Super Sensitivity & High Accuracy

Quad Band GSM/GPRS

Low Power Consumption

RoHS Compliant



### Advantages

- Water Resistance
- Built-in uBlox GPS chipset with -160dBm tracking sensitivity, -147dBm autonomous sensitivity for fast TTFF and high accuracy.
- MMCX type RF connector for external GPS antenna
- Low power consumption, Long standby time
- Built-in 3D motion sensor for motion detecting and power saving
- Fully power management. Can be connected to external DC power or battery.
- Quad band GSM/GPRS frequencies 850/900/1800/1900

# Specifications

## GSM Specifications

Frequency :	Quad-Band: 850/900/1800/1900MHz, Compliant to GSM phase 2/2+, -Class 4 (2W @ 850/900MHz), -Class 1 (1W @ 1800/1900MHz)
GPRS:	GPRS multi-slot class 12, GPRS mobile station class B
RMS Phase Error:	5 deg
Max Out RF Power:	33.0dBm ± 2dBm
Dynamic Input Range:	-15 ~ -102 dBm
Receiving Sensitivity:	Class II RBER2% (-102dBm)
Stability Of Frequency:	Greater than 2.5ppm
Max Frequency Error:	±0.1ppm

## GPS Specifications

GPS Chipset:	uBlox All-In-One GPS Receiver Sansitive, Fast and Accurate
Sensitivity:	Cold Start -147dBm, Reacquisition -160dBm, Tracking -160dBm
Position Accuracy:	Autonomous: <2.5m, SBAS: 2.0m
TTF (Open Sky)	Cold Start 29s, Warm Start <29s, Hot Start <1s

## User Interfaces

Mini USB Connector:	Include external power and UART
Power Button:	For power on and power off. Can be disabled by the air interface protocol.
Function Button:	For SOS alarm or quick setting of Geo-Fence
MMCX RF Connector:	For external GPS antenna

## General Specifications

Dimension:	67.5mm*40mm*21mm
Weight:	60g
Backup Battery:	Li-Polymer 1300mAh, 3.7V
Standby Time:	Without reporting: 300 to 400 Hours, 5 minutes reporting: 100 to 150 Hours 10 minutes reporting: 150 to 200 Hours
External DC Voltage:	5V DC
External Battery Voltage:	3.5V to 4.5V DC
Water Resistance:	Follow IPX5 Standard

## General Specifications

Transmit Protocol:	TCP, UDP, SMS
Scheduled Timing Report:	Report Position follows a pre-set fix interval and report interval
Geo-Fence:	5 Geo-Fence regions can be defined.
Low Battery Alarm:	Alarm when backup battery is low
Power On Report:	Report when the device is powered on
Power Down Alarm:	Report when the device is turned off
SOS/Emergency Alarm:	SOS alarm when function key is pressed