

Introduction to GT-31

The **GT-31** is a wonderfully compact, business card sized navigator, carefully designed to embody ergonomic principles. It will comfortably fit in your palm, mount on the handlebar of bike or motorcycle, and can even be worn on your arm. The stylish unit can stand on your desk as a funky gadget, or, more usefully, can be placed on the dashboard in your car.

The **GT-31** can run for up to **46 hours** in power saving mode with the built-in lithium-ion polymer rechargeable battery. It can be recharged while connected to car cigarette lighter, main power outlet, or your PC/Notebook.

A state-of-the-art Thumb Stick allows for simple one-handed operation. This rugged navigator is waterproof to IPX7 standards, i.e. immersible in the water for 30 minutes at a depth of 1 meter, and most of all, it floats!

The **GT-31** is not only developed to handle outdoor activities, but also to handle various professional uses, such as speed, hazard area, zone alerts, altitude, or other alerts defined by the users. To store trip data for longer journeys, there is a SD/MMC slot for extra data storage capacity. And it can be used as a Real-Time GPS Receiver by connecting to your PC/Notebook. An optional Bluetooth version, named **BGT-31** can be used with Bluetooth-enabled mobile phone or PDA phone.



GPS Handheld
GT-31

Waterproof and Floatable



GT-31/BGT-31 Specifications

Navigation features	
Waypoints/icons	1000 with name and graphic symbol
Routes	20 with max. 125 waypoints each
Tracks	1 with max. 8192 waypoints
Data logger	20480 points with First-In-First-Out function
Trip computer	Odometer, trip timer, current speed, maximum speed, sunrise, sunset...
Alarms	Monotone; LED
GPS performance	
Chip	SIRF Star 3 High Sensitivity
Frequency	L1 1575.42MHz, C/A code
Channels	Support 20 channels
Update rate	1 Hz
Acquisition time	Hot start (Open Sky) < 2s Cold start (Open Sky) 38s (typical)
Position/Velocity	10m (2D RMS)/0.1 m/s without SA (autonomous mode)
Dynamics	Speed (max.) 515 m/s Altitude (max.) 18000 m Acceleration (max.) 4g
Differential GPS	SBAS
Antenna	Built-in patch antenna
Bluetooth™(BGT-31 Only)	
Version	Version 2.0
Range	Up to 10 meters
Profile	Serial Port Profile
Frequency	2.4 to 2.48 GHz
Antenna	Built-in chip type antenna
Power	
Battery type	Built-in lithium-ion polymer rechargeable battery.
Operation time	Continuous Up to 31 hours (27 hours BGT-31) (backlit off) Low power mode Up to 46 hours (38 hours BGT-31) (backlit off)
Charge time	4 hours
Charge connector	USB mini-B
Interfaces	
Language	ENGLISH, FRENCH, 繁體中文, 简体中文, PYCCKO, NORSK, ESPANOL, EESTI, DEUTSCH, PORTUGUES, ITALIANO, NEDERLANDS, POLISH, LATVIESU, SUOMI
Communication	USB
Data format	NMEA 0183 SIRF binary format (firmware upgradeable)
Memory card	SD/MMC slot
Physical	
Size	90H x 58W x 24.5D mm
Weight	98g
Display	Mode Black/White, FSTN, Transflective Size 1.5 inch (33W x 21H mm) Resolution 128W x 64H pixel Backlit LED
Environmental	
Operating temp.	-20 ~ +60 °C (-10 ~ +60 °C BGT-31)
Storage temp.	-20 ~ +70 °C
Waterproof	IEC529 IPX7 and floatable
EMC standard	CE, FCC
Accessories	
Standard	Quick start guide CD (user manual, driver and utility) USB interface/charge cable Universal travel charger (pins for US/Europe/UK)
Optional	Car charger Bike mounting kit Arm strap

<Specifications are subject to change without notice>

LOCOSYS

GPS Handheld

GT-31

Waterproof and Floatable

The multifunctional GPS handheld navigator and data logger



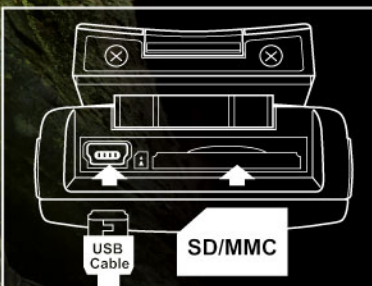
Standard package:

- USB data/charge cable
- Installation CD





bike mounting kit (optional)



Routes, Waypoints, Track data and logger data can be :

- ◊ Saved to SD/MMC card and then read on PC/notebook directly from the SD/MMC card.
- ◊ Downloaded to a PC or Notebook via USB cable.

Main Menu

Page Tree

- **Satellite Signal**
- **Trip Meter**
- **Speed**
- **Navigation**
- **Track**
- **Position Mark**
- **Waypoint**
- **Route**
- **Memory Card**
- **Data Logger**
- **Alert**
- **NAVILINK**
- **Settings**
- **MISC**



Satellite signal and position fix info



Provides the information on your movement



Showing & managing instant, average & maximum speeds (Speed Genie)



Navigating along your waypoints or routes



The current and historical direction of movement



Marking a location for future reference or for other uses



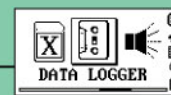
The database of destination points



The courses you plan to navigate along



Logging position and speed data into SD card (in NMEA or SBN)



Logging position and speed data into internal flash memory (in SBP format)



Setting up alarms



Data exchange with host PC



Configuring the system



A calendar up to the year 2060

8192 track points



1000 waypoints



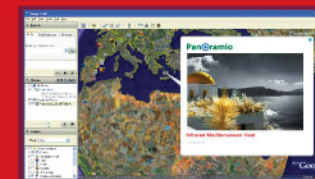
20480 log points



SD/MMC slot



Yes you can use either **GT-31** as a normal wired USB GPS mouse or if you have a Bluetooth version **BGT-31** you can use it as a normal Bluetooth GPS mouse.



GT-31 can save the tracks and combine with your photos, then photos can be viewed on "Google Earth".

