

BGT-31 Specifications (v1.1)

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)	35s (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.)	4 g
Differential GPS	SBAS	
Antenna	Built-in patch antenna	
Bluetooth™		
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 33 hours (backlit off)
	Low power mode	Up to 48 hours (backlit off)
Charge time	4 hours	
Charge connector	USB mini-B	

Interfaces		
Language	ENGLISH, FRENCH, 繁體中文, 简体中文, PYCCCKO, NORSK, ESPANOL, EESTI, DEUTSCH, PORTUGUES, ITALIANO, NEDERLANDS, POLISH, LATVIESU, SUOMI	
Communication	USB and Bluetooth	
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.	-10 ~ +60 °C	
Storage temp.	-20 ~ +70 °C	
Water proof	IEC529 IPX7 and floatable	
EMC standard	CE, FCC	
Accessories		
Standard	Quick start guide	
	CD (user manual, driver and utility)	
	USB interface/charge cable	
Optional	Universal travel charger (pins for US/Europe/UK)	
	Car charger	
	Bike mounting kit	
	Arm strap	

<Specifications are subject to change without notice>

Document change list

- V1.0 to V1.1 (Applied to the device with serial number after 833000407)
 - Change typical “cold start time” from 38s to 35s.
 - Change “operation time” in continuous mode from 27 hours to 33 hours.
 - Change “operation time” in low power mode from 38 hours to 48 hours.