

# GD-101

## GPS Director

- High Sensitivity Single Chip Solution
- 48-Channel All-In-View Tracking
- WAAS/ENGOS
- 2.36" x 2.36" x 1.10"
- Weights 1.59 Ounces (Without Batteries)
- Uses AAA Batteries (2)
- Water Resistant, IPX4 design
- Backlit LCD For Easy Reading



The GD-101 is a multi-use GPS back track device, that can be used in most any outdoor application to be used as an E-Compass, a breadcrumb device or to simply take you to your car in a crowded parking lot. The GD-101 runs on two AAA batteries and has a run-time of 9 hours from a single charge. With the power of a high sensitivity single chip solution with 48 channel-all-in-view-tracking you can have the confidence that you won't get lost in the middle of your destination.



## E-Compass/ GPS Director

### General Specifications

GPS Chipset.....	High sensitivity single chip solution
Frequency.....	L1, 1575.42 MHz
C/A Code.....	1.023 MHz chiprate
Channels.....	48 channel all-in-view tracking
Operation Time.....	9hrs
Operating Temperature.....	32°F to 122°F / 0°C to 50°C
Storage Temperature.....	-4°F to 158°F / -20°C to 70°C
Humidity.....	Operational up to 95% non-condensing
Prime Power.....	2 AAA Batteries

### Co-ordinates System

Co-ordinates System.....	Default WGS-84
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### Dynamic Condition

Accelerate Speed.....	Less than 4G
Height Limit.....	18,000 Meter
Speed Limit.....	515 m/sec
Vibration Limit.....	20 m/sec**3

### GPS Fix Time

Hot Start.....	Average 1 sec
Warm Start.....	Average 38 sec
Cold Start.....	Average 42 sec
Get GPS Fix.....	Average 0.1 sec

### Accuracy

Horizontal Position .....	10 meters, 2D RMS
	1-5 meters 2D RMS, WAAS corrected
Speed Accuracy.....	0.1 m/sec
Time Accuracy.....	1 micro-second synchronized to GPS time

### Display

Display Size.....	96x65 Dot Matrix
Display Type.....	Black & White LCD
Backlit Display.....	Single Level

### Antenna

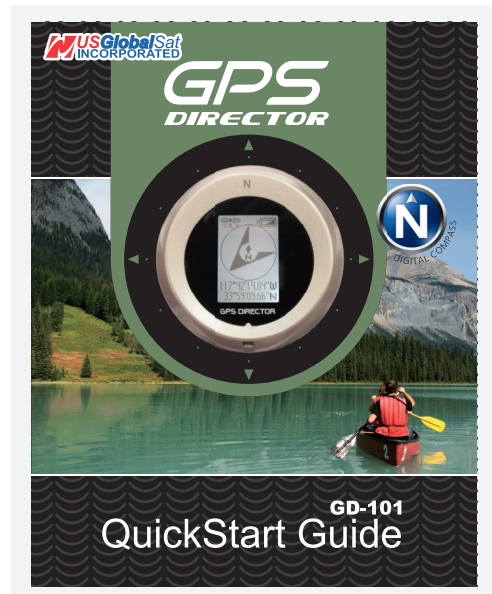
GPS Antenna Type.....	Built-in patch antenna
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### Physical Characteristics

Enclosure.....	Durable Polycarbonate
Dimensions.....	2.36" x 2.36" x 1.10"
	(60mm x 60mm x 28mm )
Weight.....	1.58 Ounces (45g, Not including batteries)



### PACKAGE CONTENTS:



**2 AAA**

**48 CHANNEL**

**E-Compass**

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GD-101  
Made in Taiwan

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