

i-Blue821

Slim BT GPS Trip Recorder

Overview

At just 10mm thick, this BT GPS logger features an all in one, cost effective portable GPS logging solution. With its on-board memory, it allows you to log your route. Through user friendly utility, it shows your track on Google Earth. And by coupling smart power-saving options with fuzzy auto on/off, it's also the most power-efficient receiver available. Highly sensitive and super-efficient, this device enjoys wide consumer appeal.

Key Features

- w/ 32Mb serial Flash, up to 150,000 way points
- More than 18 hrs operating time
- Bluetooth GPS with 51 channels
- Ultra high sensitivity up to -158 dBm (Tracking)
- Smart Power Save Mechanism (Transystem Patent)
- Fuzzy Auto On/Off (Transystem Patent)



Application

- Record your travels and show on Google Earth
- Manage business trip expenses
- Fleet management
- Keep an eye on valuable merchandise
- Show your photos on Google Map
- Support photo Geo Tagging



TRANSYSTEM INC.

An A+ supplier of RF microwave & GPS products

Rev 1.3

i-Blue821

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Specifications

General

Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	51 CH for tracking
Antenna	Built-in patch with LNA
Datum	WGS-84

Acquisition

Cold Start	36 sec, average
Warm Start	33 sec, average
Hot Start	1 sec, average
Reacquisition	<1sec

Accuracy (none DGPS)

Position	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal)
Velocity	0.1 m/sec without SA
Time	50 ns RMS
Sensitivity	-158dBm

Dynamic

Altitude	< 18,000m
Velocity	< 515m/sec
Acceleration	4g max.

Protocol

GPS Output	NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC (default)
	GLL, VTG (optional)

	Data bit : 8, stop bit : 1(Default)
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Interface

Bluetooth™	Version 1.2 compliant
Output Power	Class 2 (10 meter in free space)
Frequency	2.4 to 2.48 GHz

Power

Battery	Rechargeable 750mAh Lithium battery
Work Hours	18 hrs
Standby Time	250 hrs
DC Input	5V
Power Charge	Mini USB

Environmental

Operating	- 10 °C to + 60 °C
Storage	- 20 °C to + 60 °C
Charging	0 °C to + 45 °C
Humidity	5% to 90% non-condensing

Physical

Dimension	93.5 x 46 x 10.8mm
Weight	49.5g

Others

Certification	CE / FCC
LED	Bluetooth, Navigation, Battery / charger status

*Bluetooth is a trademark owned by Bluetooth SIG, Inc.

*Specifications subject to change without prior notice.

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