

# Blumax Bluetooth GPS-4012 Receiver



## Specifications:

### General:

Chipset:	MTK MT3318
Frequency:	L1, 1575.42MHZ
C/A Code:	1.023MHZ
Channels:	51
DGPS:	WAAS, EGNOS, MSAS
Datum:	WGS84
CPU:	ARM7TDMI

### Performance Characteristics:

Position Accuracy:	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal) DGPS (WAAS, EGNOS, MSAS): 2.5m
Velocity Accuracy:	Without aid: 0.1m/s DGPS (WAAS, EGNOS, MSAS): 0.05m/s
Acceleration:	Without aid: <4g DGPS (WAAS, EGNOS, MSAS): <4g
Timing Accuracy:	50 ns RMS
Reacquisition Time:	<1s
Hot start:	1s
Warm start:	33s
Cold start:	36s
Sensitivity:	Acquisition: -144dBm Tracking: -158dBm
Update:	1Hz

### Environment:

Operating Temperature:	-10 ~ 60°C
Storage Temperature:	-20 ~ 60°C
Charging:	0 ~ 45°C

### Bluetooth

Standard:	Fully compliant with Bluetooth V1.2
Output Power:	0dBm (Typical), Class II
Range:	10 ~ 15 meters
Bluetooth Profile:	Serial Port Profile (SPP)
Frequency:	2.4G ~ 2.4835GHz ISM Band
Security:	Yes

### Physical Characteristics

Dimension:	46.5 x 72.2 x 20 mm
Weight:	64.7g

### Dynamic:

Altitude:	Maximum 18,000m
Velocity:	Maximum 515m/s
Acceleration:	Maximum 4g
Power:	
Input Voltage:	Vin: DC 5.0V±10%
Power Consumption:	35mA (Avg.)
Battery:	Rechargeable Lithium battery
Protocols:	
GPS Output Data:	Baud rate 115200 bps, Data bit: 8, Stop bit: 1 (Default) NMEA0183 v3.01 Default: GGA, GSA, GSV, RMC
NMEA:	

### Contents:

- 1x Blumax Bluetooth GPS-4012 Receiver
- 1x DC cigarette lighter adapter
- 1x Lithium rechargeable battery
- 1x User's manual



Eurotronic Products GmbH Fon: +49 (0)231 878 00 30  
Gewerbeparkstr. 14 Fax: +49 (0)231 878 00 369  
D - 44339 Dortmund e-Mail: info@eurotronic.net

[www.eurotronic.net](http://www.eurotronic.net)