

# 737A<sup>+</sup>

## GPS receiver

# 15 sec Fixed!!!

### Overview

Equipped with a 66-channel MTK chipset, it provides ultra-high sensitivity -165dBm tracking and -148dBm signal acquisition. 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

- Semi indoor fixed
- AGPS available
- 66 channels Bluetooth GPS
- Smart Power Save Mechanism
- Fuzzy Auto On/Off

### Application

- Automotive
- Fleet management / Asset tracking
- Personal / portable Navigation (PDA, Smart phone)
- Location Based Services
- Sports and Recreation
- Geographic Survey



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**G&V** G&V Global Tech Co., Ltd.

9Fl., No 6, Lane 77, Section 2 HuanShan Rd., NeiHu District, Taipei City, Taiwan  
Tel: 02-8751-9952 Fax: 02-8751-2663  
[www.gvglobaltech.com](http://www.gvglobaltech.com)

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## Wireless GPS receiver

### Specifications

#### \*General

GPS Chip	MTK
Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	66 CH for tracking
Antenna	Built-in patch with LNA
Datum	WGS-84

#### \*Acquisition

Cold Start	35 sec, average
Warm Start	34 sec, average
Hot Start	1.5 sec, average
Reacquisition	<1sec
AGPS	<15sec

#### \*Accuracy (none DGPS)

Position	Without aid: 3.0m 2D-RMS DGPS:2.5m,2D-RMS
Velocity	Without aid: 0.1m/s DGPS:0.05m/s
Sensitivity	-165 dBm (tracking)

#### \*Dynamic

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

#### Protocol

GPS Output	NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC (default) 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	Li-Ion
Charging time	3hrs (Typical)
Operation Time	32hrs
Power Charge	Mini USB

#### Environmental

Operating	- 10 °C to + 60 °C
Storage	- 20 °C to + 60 °C
Charging	0 °C to + 40 °C
Humidity	5% to 90% non-condensing

#### Physical

Dimension	46.5W x72.2L x20H mm
Weight	64g

#### Others

Certification	CE / FCC
LED	Bluetooth, Navigation, Battery / charger status
Accessory	CD, USB cable, Car charger, QSG

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

\*Specifications subject to change without prior notice.

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\*Citation MTK original chipset spec

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