



# Mini GPS Locator

## Model: GM-48-UB



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GM-48-UB is powered by Antaris4 chipset, which advantage is the power consumption and position accuracy. These two important features will help a lot in the portable and battery-operated devices.

### Features

- Selectable 1 ~ 4Hz update rates
- Fast cold start time of 41s
- Low power consumption
- Robust structure
- Metallic base to enhance the grounding

### Applications

- GPS navigation for both marine and land
- Telemetry applications
- AVL applications

### Specification

PHYSICAL CONSTRUCTION	
Dimension	56mm (Diameter) x 28 mm (Height)
Weight	87 grams
Receiving frequency	1575.42MHz, C/A code
Enclosure	High impact, corrosion-proof

Mounting	Magnetic mount	
Construction	Fully waterproof structure	
<b>Environmental Conditions</b>		
Temperature	Operating: -30°C ~ + 75°C	
	Storage: - 40°C~ +85°C	
<b>COMMUNICATION</b>		
Protocol	NMEA, UBX binary	
Signal level	USB	
	RS-232	
<b>INTERFACE CAPABILITY</b>		
Standard Output Sentences	GGA*5, GSV*5, GGA, RMC, VTG	
<b>PERFORMANCE</b>		
Built-in Antenna	Highly-reliable ceramic patch	
Sensitivity	-150dBm	
SBAS	Support WAAS, EGNOS	
Receiver architecture	50 parallel channels	
Start-up time	1.0 sec. typical (hot start)	
	32.0 sec. typical (warm start)	
	32.0 sec. typical (cold start)	
Position accuracy	Autonomous	<2.5 m
	WAAS, EGNOS	<2.0 m
Velocity accuracy	0.1 M/S	
Update Rate	1Hz standard	
Power Supply	USB 5V	
	RS-232 5V or 8-35V (Optional)	
Power Consumption	61 mA for USB.	
	63mA for RS-232	
Baud Rate	Default at 4800bps	
	2400/4800/9600/38400/57600/115200 bps are selectable by using utility	
<b>POWER CABLE</b>		
Length	5m	

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