



Marine GPS Receiver

MODEL: GM-88K

High Sensitivity GPS Receiver with Full Waterproof



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GM-88K is an outstanding high sensitivity Marine GPS receiver. With excellent performance, it's easily to conquer the most difficult tasks. In addition, it also provides various functions to meet customers' needs. **GM-88K** employs MTK powerful GPS receiver chipset solution. It provides marvelous navigation performance under dynamic conditions in areas with limited sky view like urban canyons. It also has high sensitivity for weak signal operation without compromising accuracy. Undoubtedly, **GM-88K** is the best choice for you.

Features:

- Excellent noise immunity
- Very Fast TTFF
- 8MBit Flash Memory
- Sensitivity: -158dBm(Tracking)
- Standard and NMEA-0183 output
- User selectable baud rate
- WASS , EGNOS , MSAS capable
- Easy installation / operation

Applications:

- Marine Navigation.

- Fleet Management.
- Mileage Management.
- Tracking devices/system.
- Data logging for marine Navigation.
- Mapping devices for PC & Pocket PC.
- Marine Navigation or touring devices.
- AVL and Location-Based service system.

Specifications:

Specifications	Parameter	Description
General		L1 frequency, C/A code (SPS), 32 Independent tracking channel
Sensitivity		-158dBm
Accuracy	Position	Without aid: 3.3m CEP
	Velocity	0.1 Knot RMS steady state
Acquisition	Cold start	41 sec. (typical)
	Warm start	35 sec. (typical)
	Hot start	1 sec. (typical)
Reacquisition		100 ms typical (signal reacquisition)
Dynamics	Altitude	18000m max.
	Velocity	500 m/sec.
	Vibration	4G max.
Operation Temperature		-30° C to +80° C
Storage Temperature		-40° C to +85° C
Operating Humidity		0% to 95% RH, non condensing
Water Resistance		100% waterproof
Primary Power		8V ~ 35V DC
Power Consumption		34mA~44mA @ 12V DC

Protocol		NMEA-0183 v3.01 baud rate(adjustable) 4800/9600/19200/38400/115200, default 4800
Signal level		RS-232(standard)
NMEA Message	Default	RMC, GGA, GSV*5, VTG, GSA*5
	Optional	GLL, ZDA
	Update rate	1~5Hz (Default 1 Hz)
EMI filter		Rejects power line interference
SBAS		1 channel (support WAAS, EGNOS, MSAS) (Default : disable)
Power cable		UL 2464/ 6M
Enclosure		High impact, corrosion-proof polycarbonate resin
Connector		Open Cable
Dimensions		80mm(Dia.) x 25mm(H)
Weight		100 grams (without cable)

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