



Mini GPS Logger

MODEL: GM-44-UB

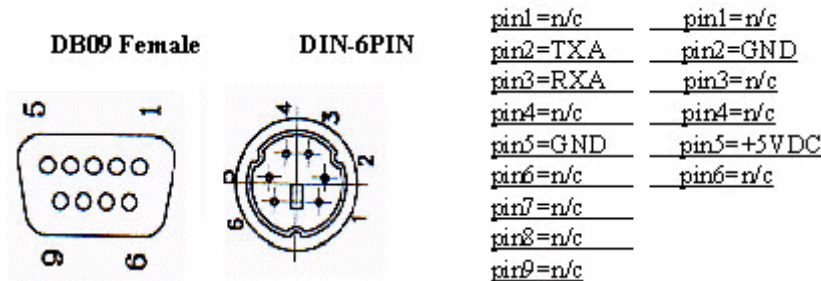
Extremely compact GPS locator with excellent software compatibility, providing real-time position fixes via your palmtop/desktop PC or PDA.



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Our GM-44-UB locator comes up with a new generation GPS solution. When integrated with your computer, GM-44-UB provides you with real-time position fix for your vehicle, helping guide you to your destination. The GM-44-UB mobile locator is a low cost/ high quality GPS solution for AVL, Fleet Management System and Marine Navigational Aid. The unit is a single GPS Receiver/Antenna in a low profile, waterproof and robust enclosure with magnetic/bolt mount. It interfaces to a RS-232 or a USB serial comm. port of your computing device that utilizes NMEA 0183 data output sentences.

The GM-44-UB Mobile Locator provides real time GPS position, speed, distance travel and heading information in the NMEA-0183 format (such as GPRMC, GPGGA, GPGSV, GPGLL and GPGSA) to your portable PC, PDA or Palmtop.



Specifications

| PHYSICAL CONSTRUCTION | | PERFORMANCE | | |
|---------------------------|----------------------------------|--------------------------|--|--------|
| Dimension | 56mm (Diameter) x 28 mm (Height) | Built-in Antenna element | High-reliability ceramic patch | |
| Weight | 87 grams | Sensitivity | -150dBm | |
| | | SBAS | Support WAAS, EGNOS | |
| Receiving frequency | 1575.42MHz, C/A code | Receiver architecture | 50 parallel channels | |
| Enclosure | High impact, corrosion-proof | Start-up time | 1.0 sec. typical (hot start) 32.0 sec. typical (warm start) 32.0 sec. typical (cold start) | |
| Mounting | Permanent/Pole mount | Position accuracy | Autonomous | <2.5 m |
| | | | WAAS, EGNOS | <2.0 m |
| Construction | Fully waterproof structure | Velocity accuracy | 0.1 M/S | |
| ENVIRONMENTAL CONDITIONS | | Update Rate | 1Hz standard | |
| Temperature | Operating: -30°C ~ +75 °C | Power Supply | USB 5V | |
| | Storage: -40 °C ~ +85 °C | | RS-232 5V or 8-35V (Optional) | |
| COMMUNICATION | | Power Consumption | 61 mA for USB. | |
| | | | 63 mA for RS-232 | |
| Protocol | NMEA, UBX binary | Baud Rate | Default at 4800bps | |
| Signal level | USB or RS-232 | | 2400/4800/9600/38400/57600/115200 bps are selectable by using utility | |
| INTERFACE CAPABILITY | | POWER CABLE | | |
| Standard Output Sentences | GGA*5, GSV*5, GGA, RMC, VTG | Length | 5m | |

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