



## Polaris Marine GPS Tracker



Probably the most compact, rugged and versatile GPS tracking system available, and at an incredibly competitive price.

### **POLARIS FEATURES**

- Truly global remote tracking, all the time, everywhere
- 24/7 support and secure, live, internet tracking, with geo-fencing available
- Suitable for vessels of any size from container ships to life rafts
- Long Range Identification and Tracking (LRIT)
- Vessel Monitoring System (VMS)
- Ship Security and Alert System (SSAS)
- Search and Rescue (GMDSS ready)
- Alert button
- Loss of external power alert
- Email messaging through pc/server interface
- Yacht security and race tracking

Fastwave Communications Pty Ltd  
ABN 95 097 157 705  
60 Coghlan Road Subiaco WA 6008 AUSTRALIA  
T+61 8 9381 5353 F+61 8 9381 5885  
[info@fastwave.com.au](mailto:info@fastwave.com.au) [www.fastwave.com.au](http://www.fastwave.com.au)

The Iridium constellation of 66 low Earth orbit communications satellites is used to transmit GPS and other data to up to 5 email addresses and/or a dedicated website. The unit is remotely reprogrammable via a simple web interface and can be configured for your particular application. The minimum reporting interval is 20 seconds, equivalent to the time delay from transmission to reception at any PC or website, anywhere in the world.



Secure, customised, near real-time web plotting, with geo-fencing, visual and audio alert functions, and 24/7 support can be provided on request.

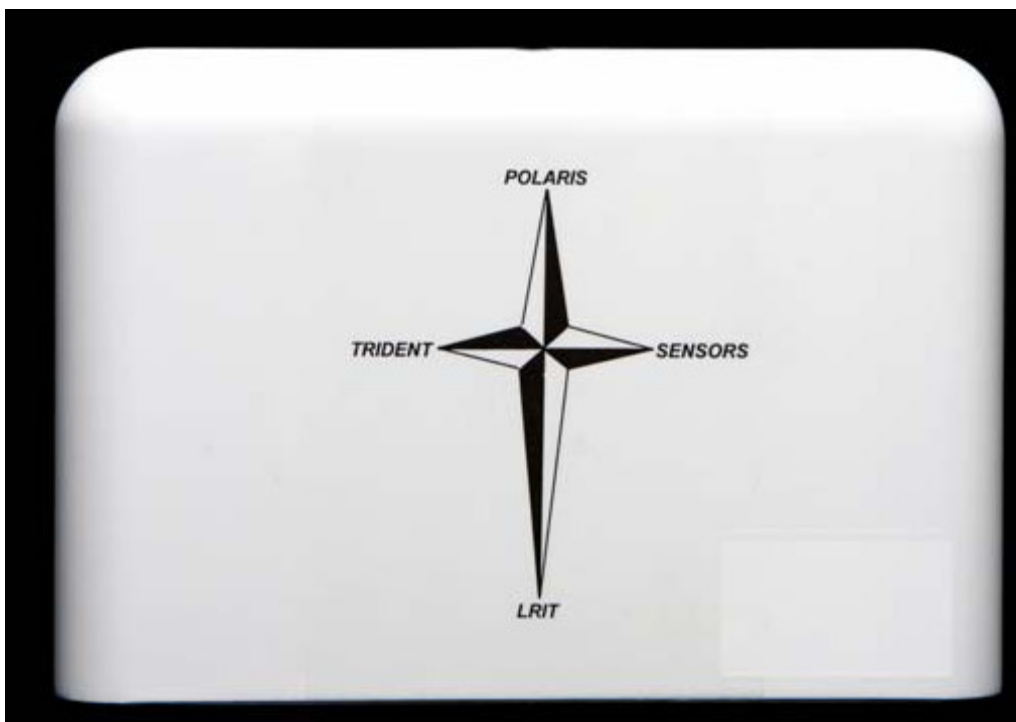
The unit measures only 36 x 104 x 154 mm and includes built-in Iridium and active GPS antennas as well as a rechargeable Li-ion back-up battery for >800 autonomous transmissions.

A plug-in mains power supply is provided to allow you to either run the unit off this supply and/or re-charge the batteries. Magnet and mast mounts are also included, the latter for fixing to vertical or horizontal spars or rails (up to 2" (50 mm) diameter).

Installation requires that the unit:

- has a good view of the sky
- be mounted securely (3 feet (1 m) away from any Inmarsat installation!)
- has the on/off magnet removed.
- .... and that's it!

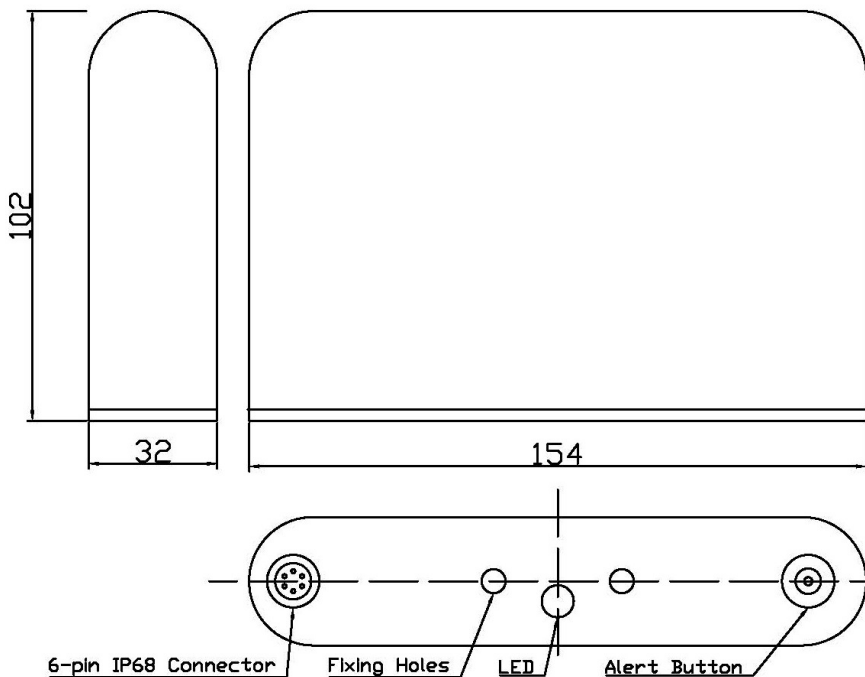
If Polaris is to be run on external power, plug in the power supply and turn it on.



## SPECIFICATIONS

### Truly global coverage, everywhere via Iridium

- NMEA GPS data string (Lat., Long. , COG, SOG)
- Extreme environment specification:
  - 30 to +80°C
  - 1" (25.4 mm) ice thickness
  - IP68 to 66 ft (20 m)
- Manual alert button and loss of external power alert
- Reporting interval remotely reprogrammable
- IP68 connector when mated
- 6 core cable, for power in and RS232 comms
- New Iridium approved passive octafilar helical Iridium antenna
- Active quadrafilar helical GPS antenna
- TX of battery power and temperature as standard
- SOLAS, LRIT etc. formats transmitted as required
- 10 digital I/O available for additional alarms and sensors
- May be used to send and receive emails
- Rechargeable Li-ion batteries included inside the unit
- Standard version:
  - 1.4" x 4" x 6" (36 x 104 x 154 mm); 16 oz (440 gm)
- Contains Li-ion rechargeable battery for >800 TXs per full charge
- Additional Li-ion rechargeable batteries available for up to 4800 TX's
- Mounting bracket supplied as standard
- Magnet mount supplied as standard



[www.fastwave.com.au](http://www.fastwave.com.au)

info@fastwave.com.au

+61 8 9381 5353