

GUARDIAN seatrax

Product Specification – Marine Asset Tracking and Recovery Application



Simple and Affordable Marine Asset Tracking

Using field-proven satellite technology, the SeaTrax will send the GPS location of your vessel to a central server where it can be routed to your email, cell phone, or personal map (optional). SeaTrax is an inexpensive solution that is easy to install, conceal and use.

SeaTrax can be run off the vessel's power, but more importantly, it will support battery backup for autonomous operation in the event vessel's power is insufficient or defeated by thieves.

Tracking your Vessel

The SeaTrax comes with an arming switch, when you dock your vessel, you simply flip the switch to arm the vessel. If your vessel is stolen or is moved, the SeaTrax will begin to transmit a message every 15 minutes. The authorities can be alerted and the vessel tracked until it is able to be recovered.

Benefits and Specifications

Satellite-based tracking. Works where cellular/PCS and terrestrial radio systems do not work.

Flexible Stealthy Operation. SeaTrax can be configured to transmit a position on a time interval, at a specific time of the day, only when it moves, and can easily be concealed on most vessel's.

GlobalStar Simplex Transmitter, integrated GPS receiver and transmitter patch antenna, are standard, optionally Guardian can provide an Iridium transmitter.

High performance GPS receiver: 12 channel, -156 dBm sensitivity.

Operating temperature range: -22°F to +140°F, NEMA 4X certified enclosure, with salt, rain, and storm resistance.

Many Guardian customers have been able to realize a discount on their insurance by having the SeaTrax installed on their vessel with the Marine Asset Recovery application. The SeaTrax comes preconfigured at the factory to allow for simple “plug and play” installation.

Marine Asset Recovery Application Operation:

1. The SeaTrax will generate a message when it is powered on.
2. If the SeaTrax is armed but has not been moved, it will automatically transmit a check in message once per day.
3. If the SeaTrax has been armed and has been moved, it will transmit a message every 15 minutes. This message will be transmitted even if the vessel stops moving.
4. For this application, Guardian highly recommends that the vessel owner install a battery backup, so that thieves are unable to defeat the system by shorting out the main vessel battery power supply.
5. All notifications can be sent by SMS, email and location data points can be displayed on the customer’s personal map (optional).
6. SeaTrax owners have the ability to enter designated emails and phone numbers via web interface for all notifications.
7. To use Seatrax in tracking mode permitting family and friends can track your location via Seatrax Web mapping service, simply leave the unit armed when you are on board.



SeaTrax can be ordered with applications other than the Marine Asset Recovery application. Guardian also supports a SeaTrax model which allows for external sensors to be connected to the device.

Please contact Guardian (inquiries@guardianmobility.com) to discuss this or other applications for SeaTrax.