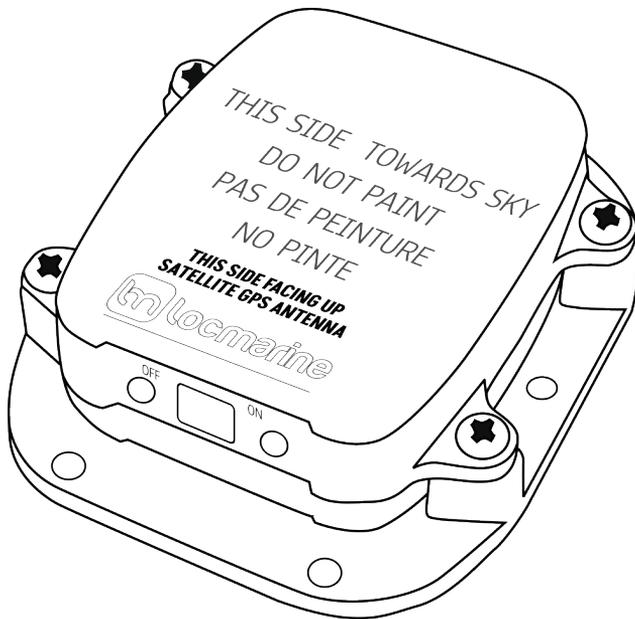


Marine-SAT

locmarine



Model: SAT-L01

Marine-SAT Antenna: Installation & User Manual

Product Overview

The Marine-SAT Antenna system provides a reliable offshore vessel tracking solution, extending beyond standard cellular coverage. It routinely collects updated location data accessible via the LocMarine Pro app. Additionally, the Marine-SAT Antenna meets the satellite tracking requirements of various maritime insurance providers.

When a vessel moves out of cellular range, the LocMarine HUB automatically switches to satellite tracking. Location updates are transmitted to your device approximately every five to 10 minutes through the app.

Upon re-entering cellular reception zones, the primary LTE-10 Hub re-establishes cellular connectivity and resumes regular data updates. Alerts, including sensor notifications during periods outside cellular coverage, are promptly delivered through the app.

Getting Started

Prerequisites

Ensure you have all necessary equipment and active subscriptions:

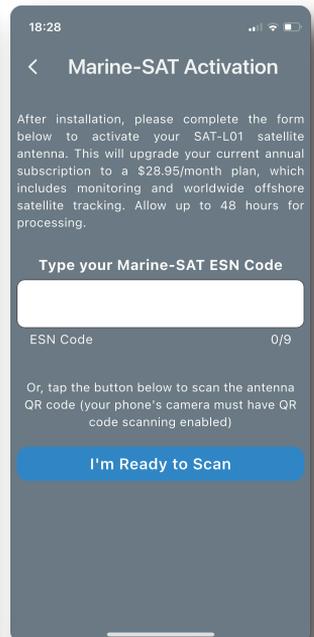
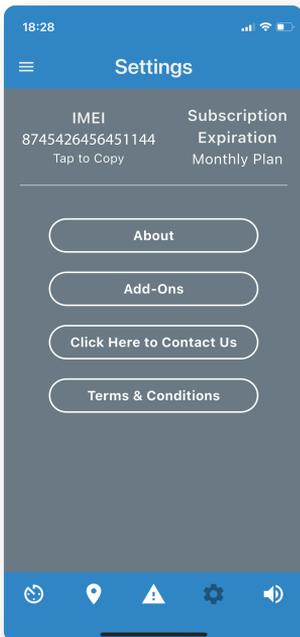
- **Marine-SAT Antenna:** Essential if not already acquired (Part Number: SAT-L01)
- **Main Device:** A central hub, such as the LocMarine LTE-10 or similar, to manage all devices and transmit data to the app
- **Subscription Plan:** A satellite and monitoring plan (monthly auto-renewal) enabling data reception, covering both tracking and monitoring

Pairing the Marine-SAT Antenna

Before installation, the Marine-SAT must be paired with the app. The device's base includes a QR code with the serial number for pairing.

Pairing steps:

1. Launch the LocMarine PRO app.
2. Navigate to Settings > Add Marine-SAT Device.
3. Allow camera access if prompted.
4. Position your device's camera over the QR code displayed on the Marine-SAT Label.
5. Tap "**Add**".
6. When a confirmation message appears ("Successfully added your Marine-SAT Device"), tap "**OK**".

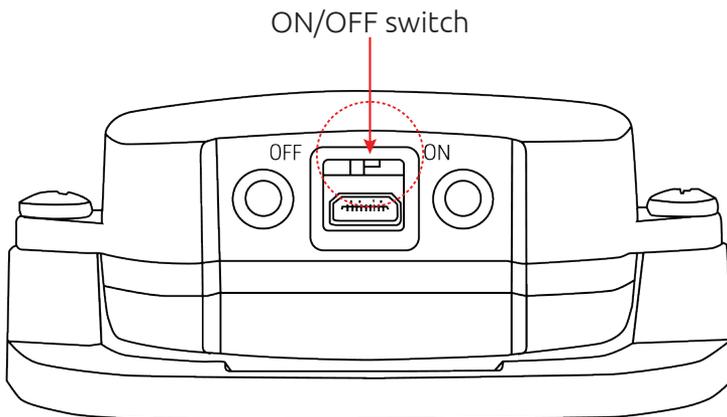


Power Connection

Connect the power wire harness directly to a power source (9-22V DC). Proper connection is crucial for operation.

Turning On the Device

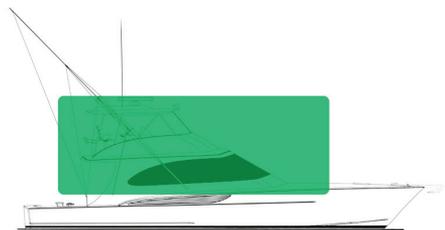
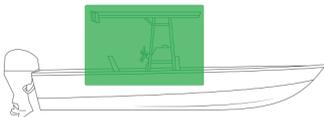
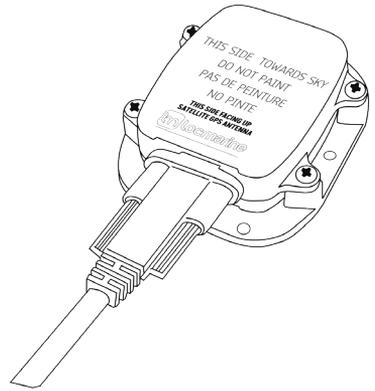
Operate the ON/OFF switch located on the side of the device near the mini-USB port using a small tool. The device ships with the switch off. Turning it **ON** initiates a location message to the server, with updates every five to 10 minutes, depending on movement and signal strength.



Mounting Instructions

The antenna's orientation affects device performance. Always mount with the "**Antenna Logo, THIS SIDE UP**" label facing upwards, as the internal satellite antenna is beneath the logo.

- Cables are 16 AWG and can be extended as long as needed.
- The higher and more open the location where you install the Marine-SAT Antenna, the better the signal you can capture.
- Keep in mind that satellite signals pass through wood and fiberglass but not through metal or carbon fiber. Suitable locations include inside the helm, console, or under the gunnels.
- Since this is a secondary tracker, you can place it in a different location than your LocMarine HUB for added redundancy and security.
- Avoid mounting within 2 feet of large metallic objects, other antennas, autopilot gyroscopes, or electronic compasses to minimize interference.



Wiring Details

Connect the antenna to a power source using the included wire harness, following the wiring diagram below:

- **RED:** Battery Power (+8V – 22V)
 - **BLACK:** Ground
-

Battery Backup

If external power is lost, the device switches to internal batteries, which last approximately 180 days with normal use under the current setup. Note that external power does not recharge internal batteries; their lifespan depends on vessel activity. An alert will notify you via the LocMarine Pro app when batteries are low.

The device consumes around 0.20 mAh daily, transmitting data every 5 to 10 minutes, supporting features like geofencing even outside cellular coverage.

Important: Do not power the device with more than 22V DC. For vessels with 24V systems, use a voltage reducer to prevent damage.

Location Updates

The Marine-SAT Antenna transmits location data to the server approximately every 5 to 10 minutes during vessel movement.

Global Coverage

Provided by Globalstar. **Globalstar** 

Support

For technical support, please refer to the online content available at the LocMarine Dealer Support Website, or contact support via email at support@locmarine.com, or through the LocMarine App Contact Us page.

For other support issues, contact LocMarine Telematics LLC at:

- **Email:** support@locmarine.com
- **Phone:** +1 (305) 204-5833



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Boat Security and Monitoring



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