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Glomex Glomex Marine Antennas

Glomex WebBoat 4G+ Coastal Internet Antenna System User Manual

Model: Glomex Marine Antennas

INTRODUCTION

The Glomex WebBoat 4G Plus is a cellular 3G/4G and Wi-Fi coastal internet antenna system designed to provide high-speed internet connectivity up to 20 miles offshore. This system features dual SIM card slots, making it suitable for use in the U.S. and Canada, and intelligently utilizes available Wi-Fi networks when in range.



Figure 1: The Glomex WebBoat 4G Plus antenna. This is a white, dome-shaped device featuring the Glomex logo and text indicating "weBBoat 4G Plus WiFi Coastal Internet Antenna System" on its front surface.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your WebBoat 4G Plus system.

Mounting

- Select a suitable mounting location, typically on a mast spreader, ensuring clear line of sight.
- It is recommended to use at least a 4-inch tall, non-threaded 1-inch mount to allow access to the SIM card port.
- Consider the height of installation; if mounted high, accessing the reset button for troubleshooting may be challenging.

Power Connection

- The system requires a simple two-wire hook-up: 12V Positive and Negative.
- Ensure correct polarity before connecting. The amp draw is minimal.
- An LED indicator on the unit faces downward to show power status.

SIM Card Installation

- The WebBoat 4G Plus features dual SIM card slots, allowing for two different cellular carriers.
- Insert your chosen SIM cards into the designated slots.

Network Configuration

- Initial configuration and management are typically performed via the Glomex mobile application.
- The app allows you to select preferred networks and manage settings.
- For advanced users, hardwiring the router with a LAN cable is possible, though it requires opening the dome.

OPERATING INSTRUCTIONS

The WebBoat 4G Plus is designed for seamless internet access while at sea or near shore.

Cellular Connectivity

- The system establishes a high-speed cellular internet connection using 3G or 4G networks.
- It supports dual SIM cards, enabling you to use different carriers for redundancy or better coverage.
- The antenna is capable of maintaining a connection up to 20 miles offshore.

Wi-Fi Functionality

- When a Wi-Fi network is available, the system can switch to Wi-Fi to conserve cellular data.
- The Wi-Fi repeater function allows the antenna to pick up and extend Wi-Fi signals from marinas or other sources.
- *Note: The system does not support 5GHz Wi-Fi networks.*

Integrated GPS

- When the router is set to use the cellular signal, it can provide GPS data.
- This feature allows Wi-Fi-only devices, such as iPads, to utilize GPS for navigation.

Using the Glomex App

- The Glomex app provides an interface for managing your WebBoat 4G Plus.
- Use the app to monitor connection status, switch between cellular and Wi-Fi, and adjust settings.

MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your WebBoat 4G Plus.

- Keep the antenna dome clean from salt spray, dirt, and debris. Use a soft cloth and fresh water.
- Periodically inspect all cable connections for corrosion or damage.
- While the dome is designed for marine environments, be aware that any stickers on the dome may yellow over time due to sun exposure. These can typically be removed if desired.

TROUBLESHOOTING

If you encounter issues with your WebBoat 4G Plus, refer to the following common problems and solutions.

Connectivity Issues

- **Slow 4G LTE Speeds:** The system may experience speeds lower than expected (e.g., a few MB/s). This can be influenced by carrier bandwidth and signal quality.
- **Wi-Fi Signal Issues:** The device does not have signal boost capability for Wi-Fi. If you need a strong Wi-Fi booster, consider dedicated devices.
- **Constant SIM Card Switching:** The device may attempt to switch to a SIM card even if one is not inserted. Ensure SIM cards are properly seated or remove them if not in use.
- **No Sprint Support:** As of February 2018, the device does not support Sprint in the US.

System Responsiveness

- **Slow Response Time:** Starting, restarting, or changing settings on the device can be slow. Allow adequate time for changes to take effect.
- **Reset Button Access:** If the device needs to be reset via its physical button, note that accessing it can be difficult if the unit is mounted high on a mast.

App Functionality

- The Glomex app, while functional, may be perceived as basic or not highly intuitive by some users.

SPECIFICATIONS

Product Dimensions	11.75 x 11.5 x 13 inches
Item Weight	9.2 pounds
Item Model Number	Glomex Marine Antennas
Brand	Glomex
Color	White
Number of Channels	2
Maximum Range	20 Miles
Antenna Type	Satellite (for 3G/4G/WiFi connectivity)

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact Glomex directly. Glomex US offers responsive and helpful support services for their products.

For technical assistance or inquiries, please visit the official Glomex website or use the support features within the Glomex mobile application.