

Glomex ZB211

Glomex ZB211 Wireless Zigbee GPS/Tracking Antenna User Manual

Model: ZB211

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Glomex ZB211 Wireless Zigbee GPS/Tracking Antenna. This device is designed to integrate seamlessly with the Glomex Zigboat System, offering reliable GPS positioning and tracking capabilities for marine applications.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- Glomex ZB211 Wireless Zigbee GPS/Tracking Antenna
- Mounting Hardware
- Documentation (this manual)

3. SETUP AND INSTALLATION

The Glomex ZB211 antenna is designed for panel mounting. Ensure the chosen location provides a clear view of the sky for optimal GPS signal reception and is within range of your Zigbee network.

3.1 Mounting the Antenna

1. Select a suitable flat surface for panel mounting.
2. Use the provided mounting hardware to securely attach the antenna base to the chosen surface. Ensure the antenna is oriented vertically.
3. Connect the antenna to the Zigboat System according to the Zigboat System's installation guide for Zigbee device pairing.

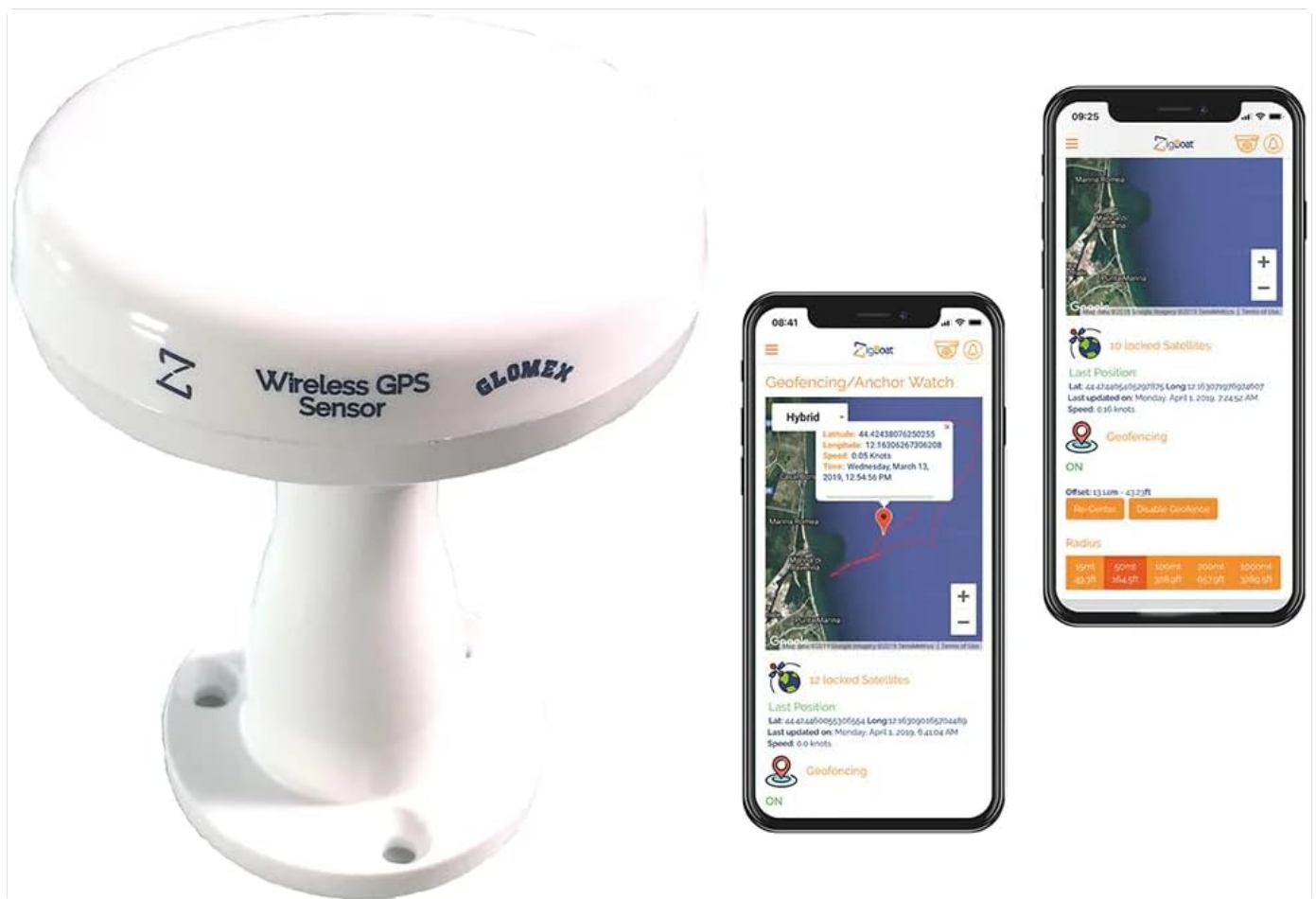


Figure 1: The Glomex ZB211 Wireless GPS Sensor Antenna (left) and examples of the Zigboat application interface on a smartphone (right). The app displays GPS position, speed, satellite lock status, and geofencing features.

3.2 Initial Power-Up and Pairing

Once physically installed, power on your Zigboat System. The ZB211 antenna will automatically attempt to connect to the Zigbee network. Refer to your Zigboat System manual for specific instructions on adding new Zigbee devices if automatic pairing does not occur.

4. OPERATING THE GPS/TRACKING ANTENNA

The ZB211 antenna provides GPS data to your Zigboat System, which can be accessed and managed via the Zigboat mobile application.

4.1 Monitoring GPS Data

Through the Zigboat app, you can monitor the following information:

- **Last Position:** Displays the most recent latitude and longitude coordinates.
- **Last Updated:** Shows the timestamp of the last position update.
- **Speed:** Indicates the current speed in knots.
- **Locked Satellites:** Displays the number of GPS satellites currently locked, indicating signal strength and accuracy.

4.2 Geofencing / Anchor Watch

The Zigboat app allows you to set up geofencing, also known as Anchor Watch, using the GPS data from the ZB211 antenna. This feature alerts you if your vessel moves outside a predefined radius.

1. Navigate to the 'Geofencing/Anchor Watch' section within the Zigboat app.
2. The app will display your current position on a map.

- 3. To activate, ensure the 'Geofencing' toggle is set to **ON**.
- 4. Set the desired radius for the geofence. Options typically include 50m, 100m, 200m, 1000m, or custom settings.
- 5. Use the 'Re-Center' option to set the current position as the center of the geofence.
- 6. To deactivate, select 'Disable Geofence'.

5. MAINTENANCE

The Glomex ZB211 antenna is constructed from durable plastic and designed for marine environments. Minimal maintenance is required.

- Periodically inspect the antenna for any physical damage or loose connections.
- Clean the antenna surface with a soft, damp cloth to remove salt residue, dirt, or grime. Avoid abrasive cleaners.
- Ensure the mounting hardware remains secure.

6. TROUBLESHOOTING

If you encounter issues with your Glomex ZB211 antenna, consider the following:

- **No GPS Signal:** Ensure the antenna has a clear, unobstructed view of the sky. Check all connections to the Zigboat System.
- **Connectivity Issues (Zigbee):** Verify that the Zigboat System is powered on and functioning correctly. Ensure the antenna is within the effective range of the Zigbee network. Try re-pairing the device if necessary, following the Zigboat System's instructions.
- **Inaccurate Position:** Ensure the antenna is mounted correctly and not near any large metallic objects that could interfere with the signal. Allow sufficient time for the antenna to acquire satellite signals after power-up.

7. SPECIFICATIONS

Feature	Detail
Model Name	Glomex Wireless Zigbee GPS/Tracking Antenna f/Zigboat System [ZB211]
Part Number	ZB211
Brand	Glomex
Manufacturer	Glomex Marine Antennas
Connectivity Technology	ZigBee (Wireless)
Mounting Type	Panel Mount
Material	Plastic
Color	White
Item Weight	1.7 Pounds (0.77 kg)
Item Dimensions (LxWxH)	11 x 9 x 3 inches (27.94 x 22.86 x 7.62 cm)
Vehicle Service Type	Boat

8. WARRANTY INFORMATION

The Glomex ZB211 Wireless Zigbee GPS/Tracking Antenna is covered by a manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty documentation included with your product or contact Glomex Marine Antennas directly.

9. SUPPORT

For technical assistance, product inquiries, or further support, please contact Glomex Marine Antennas customer service. Contact details can typically be found on the manufacturer's official website or in the product packaging.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question