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Garmin 010-01960-00

Garmin GT20-TM Transom Mount Transducer User Manual

Model: 010-01960-00 | Brand: Garmin

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Garmin GT20-TM Transom Mount Transducer. Please read these instructions thoroughly before attempting installation or use to ensure optimal performance and longevity of your device. Retain this manual for future reference.

2. Product Overview

The Garmin GT20-TM is a transom-mounted transducer designed to provide clear sonar images for compatible Garmin fishfinders and chartplotters. It combines traditional sonar capabilities with Garmin's DownVü scanning sonar technology.

Key Features:

- DownVü 500 watt scanning sonar for clear, photographic-like images of fish and structure below your boat.
- CHIRP frequencies: 435-475 kHz and 800-840 kHz for enhanced target separation and detail.
- Traditional 500 W (77/200 kHz) sonar for excellent target identification and depth performance.
- Integrated temperature sensor.
- 4-Pin connector for easy integration with compatible Garmin devices.



Figure 1: Garmin GT20-TM Transom Mount Transducer. This image shows the black transducer unit with its adjustable metal mounting bracket and attached cable.

3. Setup and Installation

Proper installation of the transducer is critical for accurate sonar readings. The GT20-TM is designed for transom mounting, which involves attaching the transducer to the stern of your boat.

General Installation Guidelines:

1. **Location Selection:** Choose a mounting location on the transom that is as close to the centerline of the boat as possible, away from propellers, strakes, and other sources of turbulence. The transducer face must be fully submerged in water at all speeds.
2. **Mounting Angle:** Adjust the transducer angle so its face is parallel to the waterline. This ensures optimal sonar beam direction.
3. **Cable Routing:** Route the transducer cable away from electrical interference sources and secure it to prevent damage. Avoid sharp bends in the cable.
4. **Connection:** Connect the 4-pin transducer cable directly to the appropriate port on your compatible Garmin fishfinder or chartplotter.

For detailed, step-by-step installation instructions, including drilling templates and specific mounting hardware information, please refer to the official Garmin Installation Manual (PDF) available here.

4. Operating Instructions

The GT20-TM transducer functions by sending and receiving sonar signals. Its operation is controlled entirely through your connected Garmin display unit.

Sonar Modes:

- **Traditional Sonar (77/200 kHz):** Provides a classic sonar view, ideal for general depth finding and identifying fish arches. Adjust gain, range, and scroll speed settings on your display unit for optimal viewing.
- **Garmin DownVü (435-475 kHz & 800-840 kHz):** Offers a high-resolution, photographic representation of what is below your boat. This mode is excellent for distinguishing structure, submerged objects, and schools of fish. Utilize the zoom and palette options on your display for detailed analysis.

Refer to your Garmin display unit's owner's manual for specific instructions on how to select sonar modes, adjust settings, and interpret sonar returns.

5. Maintenance

Regular maintenance ensures the longevity and performance of your transducer.

Cleaning:

- After each use in saltwater, rinse the transducer and mounting bracket with fresh water to prevent salt buildup and corrosion.
- Periodically inspect the transducer face for marine growth, dirt, or other obstructions. Clean gently with a soft cloth and mild soap if necessary. Avoid abrasive cleaners or tools that could scratch the transducer surface.

Inspection:

- Regularly check the mounting hardware for tightness.
- Inspect the transducer cable for any signs of wear, cuts, or damage. Ensure the cable connections are secure and free from corrosion.

6. Troubleshooting

If you experience issues with your transducer, consider the following common troubleshooting steps:

- **No Sonar Reading or Intermittent Signal:**
    - Verify all cable connections are secure and free from corrosion.
    - Ensure the transducer is fully submerged and not experiencing excessive turbulence (e.g., air bubbles).
    - Check for obstructions on the transducer face.
    - Confirm that the correct transducer type is selected in your display unit's sonar settings.
- **Poor Sonar Image Quality:**
    - Adjust the gain and range settings on your display unit.
    - Ensure the transducer is mounted correctly and parallel to the waterline.
    - Check for electrical interference from other boat electronics. Try turning off other devices to isolate the issue.
    - Update your display unit's software to the latest version.

If problems persist after attempting these steps, contact Garmin customer support or consult your display unit's manual for more advanced troubleshooting.

7. Specifications

Feature	Specification
Model Number	010-01960-00
Brand	Garmin
Mounting Type	Transom
Traditional Sonar Power	500 W
Traditional Sonar Frequencies	77/200 kHz
DownVü Sonar Power	500 W
DownVü Sonar Frequencies	CHIRP 435-475 kHz and CHIRP 800-840 kHz
Maximum Depth	1900 Feet (Traditional Sonar)
Temperature Sensor	Integrated
Connector	4-Pin
Item Weight	1.4 Pounds
Product Dimensions	3.94 x 3.94 x 3.94 inches (approximate)

8. Warranty and Support

Garmin products are designed for reliability and performance. This transducer is covered by Garmin's standard limited warranty. For specific warranty terms and conditions, please refer to the warranty information included with your product packaging or visit the official Garmin website.

For technical support, product registration, or to access additional resources, please visit the official Garmin support website at www.garmin.com/support.

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