

[Manuals.plus](#) /

› [Furuno](#) /

› Furuno GP1871F User Manual

Furuno GP1871F

Furuno GP1871F User Manual

7" Plotter/CHIRP Sounder

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Furuno GP1871F 7" Plotter/CHIRP Sounder. Please read this manual thoroughly before using the device to ensure optimal performance and safety.



Figure 1: Furuno GP1871F display unit, showcasing its intuitive multi-touch interface with navigation and sonar data. The screen displays coordinates, course, speed over ground, and depth information, along with a detailed chart and fish finder view.

PRODUCT OVERVIEW

The Furuno GP1871F is a versatile marine navigation and fish finding system featuring a 7-inch multi-touch display. It integrates a Chart Plotter with C-Map 4D chart compatibility and a powerful TruEcho CHIRP/conventional Fish Finder. Key features include:

- All-glass, multi-touch display for intuitive operation.

- Customizable slide-out menus for quick access to functions.
- Built-in TruEcho CHIRP and conventional Fish Finder (300W/600W/1kW).
- RezBoost data processing for a clear, high-resolution picture.
- ACCU-FISH fish size assessment and Bottom Discrimination functions.
- Wireless radar overlay capability with Furuno DRS4W.
- CAN bus network interface for autopilot control (NAVpilot 300/711C).



Figure 2: Two Furuno GP1871F units, one showing a detailed bathymetric chart with depth contours and the other displaying a split screen with navigation chart and a high-resolution fish finder view, demonstrating the versatility of the display modes.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your GP1871F. It can be panel mounted or dashboard mounted.

Mounting Considerations:

- Choose a location that is protected from direct sunlight and excessive moisture.
- Ensure adequate ventilation around the unit.
- Allow sufficient space for cable connections and future maintenance.
- The unit requires a stable and vibration-free mounting surface.

Power Connection:

Connect the unit to a stable 12-24 VDC power source. Use appropriate gauge wiring and an inline fuse as specified in the detailed installation guide (available for download from Furuno's official website).

Transducer Connection:

Connect your compatible transducer to the unit. The GP1871F automatically detects the transducer type and adjusts the fish finder settings accordingly. Ensure the transducer is mounted correctly for optimal sonar performance.

Network Connections:

For advanced features like radar overlay or autopilot control, connect the GP1871F to compatible Furuno devices via the CAN bus

network interface or wirelessly for the DRS4W radar.



Figure 3: The Furuno GP1871F mounted on its bracket, demonstrating wireless connectivity to a tablet device. This setup allows for remote viewing and control of the plotter/sounder functions, enhancing operational flexibility.

OPERATING INSTRUCTIONS

The GP1871F features an intuitive multi-touch interface. All functions are accessible via convenient slide-out menus.

Basic Navigation:

- **Power On/Off:** Press and hold the power button located on the unit.
- **Home Screen:** Tap the "Home" icon to return to the main display selection.
- **Quick Pages:** Slide your finger down from the top of the display to access and select your favorite custom display modes.
- **Data Boxes:** Slide out from the left side of the screen to view customizable data boxes, displaying information such as speed, depth, and temperature.
- **Layer Settings:** Slide up from the bottom of the screen to quickly adjust display layer settings, such as chart overlays or sonar gain.
- **Menu Functions:** Slide out from the right side of the screen to instantly access frequently used menu functions.
- **Screenshot:** Tap or double-tap the display with two fingers to capture a screen shot.

Chart Plotter Functions:

- **Chart Display:** The unit utilizes C-Map 4D charts (sold separately). Overlay useful data such as relief vectors, tidal streams, and marine plans.
- **Creating Routes/Waypoints:** Tap-and-go functionality allows for simple creation of routes and waypoints directly on the chart.
- **AIS Integration:** When connected to an AIS receiver, view AIS data directly on the display for enhanced situational

awareness.

- **C-Weather:** Download wind, wave, weather, humidity, and temperature information for planning.

Fish Finder Functions:

- **TruEcho CHIRP:** Provides detailed and clear marking of individual fish and bait schools by transmitting across a spectrum of frequencies.
- **Conventional Fish Finder:** Features RezBoost data processing for a clear, high-resolution picture.
- **ACCU-FISH:** Estimates fish size for better target identification.
- **Bottom Discrimination:** The Bottom Discrimination function assists in identifying productive fishing grounds.



Figure 4: A close-up view of the Furuno GP1871F display, showing a split screen. The left side displays a nautical chart with navigation data, while the right side shows the fish finder view with clear bottom discrimination and fish arches, indicating depth and underwater structures.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Furuno GP1871F.

- **Cleaning the Display:** Use a soft, lint-free cloth dampened with fresh water to clean the screen. Avoid abrasive cleaners or solvents.
- **Cable Connections:** Periodically check all cable connections for corrosion or damage. Ensure they are securely fastened.
- **Software Updates:** Check the Furuno website for available software updates to ensure your unit has the latest features and performance enhancements.
- **Transducer Inspection:** If applicable, regularly inspect the transducer for marine growth or damage, which can affect sonar performance. Clean as necessary following transducer manufacturer guidelines.

TROUBLESHOOTING

This section provides solutions to common issues. For more complex problems, contact Furuno technical support.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Unit does not power on.	No power, blown fuse, loose connection.	Check power cable, inspect fuse, ensure secure connections.
No GPS signal.	Antenna obstruction, faulty antenna, unit not acquiring satellites.	Ensure clear view of sky for antenna, check antenna connection, allow time for satellite acquisition.
Poor fish finder image.	Dirty transducer, incorrect gain settings, interference.	Clean transducer, adjust gain/range settings, check for electrical interference.
Touch screen unresponsive.	Software glitch, excessive moisture, physical damage.	Restart unit, ensure screen is dry and clean, contact support if issue persists.

SPECIFICATIONS

Key technical specifications for the Furuno GP1871F.

- **Model Name:** GP1871F
- **Screen Size:** 7 Inches
- **Display Type:** Multi-touch, All-glass
- **Fish Finder Output Power:** 300W/600W/1kW (TruEcho CHIRP & Conventional)
- **Connectivity:** Wi-Fi, Bluetooth, CAN bus network
- **Map Type:** Nautical (C-Map 4D compatible)
- **Item Dimensions (LxWxH):** 18 x 10 x 6 inches
- **Item Weight:** 1 Pound
- **Material:** Plastic
- **Mounting Type:** Panel Mount or Dashboard Mount



Figure 5: A visual comparison between the Furuno GP-1971F (9-inch model) and the GP-1871F (7-inch model), highlighting their respective screen sizes and similar design aesthetics.

WARRANTY AND SUPPORT

The Furuno GP1871F comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the

warranty card included with your product or visit the official Furuno website.

Customer Support:

For technical assistance, troubleshooting, or service inquiries, please contact Furuno customer support. Contact information can typically be found on the official Furuno website or in the product packaging.

Official Website: www.furunousa.com

Support Resources: FAQs, software downloads, and detailed manuals are often available online.

© 2024 Furuno. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B07JNX6DFN>

More documents and user manuals: <https://manuals.plus/>