

# FURUNO AND SEAKEEPER COMPATIBILITY



PRODUCT ALL MODELS

## DESCRIPTION

Seakeeper and Furuno have teamed up to make your boating experience an even better one with Seakeeper compatibility on select Furuno MFDs. This document outlines how to connect Seakeeper units to compatible Furuno MFDs using an ethernet connection and the applicable hardware and software requirements. The Furuno Navnet MFD Range is required to support this integration.

## COMPATIBLE FURUNO AND SEAKEEPER HARDWARE

1. Furuno Hardware: TZT9F, TZT12F, TZT16F, TZT19F, and TZT2BB series units.
  - [Furuno Integration with Third Party Devices Via Ethernet](#)
2. Seakeeper Hardware: any Seakeeper model with a 5" Touch Display (P/N 30298) or Seakeeper ConnectBox (P/N 20415).
3. Furuno Ethernet Wire Harness Cable Assembly (P/N 20506)

**NOTE:** A display upgrade kit is available for some Seakeepers currently utilizing older displays.

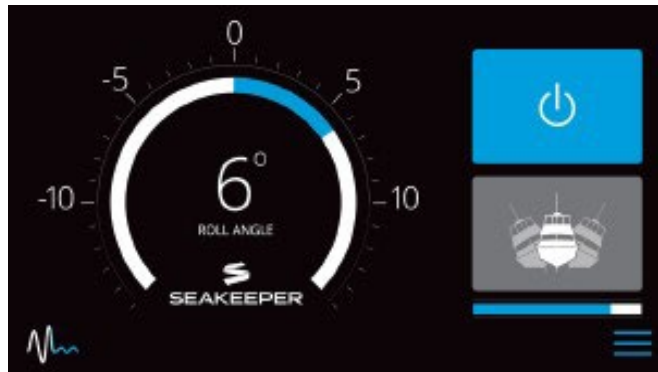


Figure 1: Seakeeper 5" Touch Display Home Screen

## SOFTWARE REQUIREMENTS

1. Furuno software: Can be downloaded at: <https://www.furunousa.com/en>
  - TZT9F model: Initial version
  - TZT12F, TZT16F, and TZT19F models: v1.08 and later
  - TZT2BB model: v7.01 and later

**NOTE:** Seakeeper is not responsible for updating Furuno software.
2. Seakeeper 5" Touch Display software 7.40.0.1951 or later.
3. Seakeeper ConnectBox software 1.2 or later.

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The most recent software release for the Seakeeper 5" Touch Display and ConnectBox is always recommended. Contact [Contact@seakeeper.com](mailto:Contact@seakeeper.com) or your local Seakeeper dealer for software update information. Visit <https://seakeeper.com/find-us/> for a complete listing of Seakeeper dealers.

## TYPE OF CONNECTION

- Furuno Ethernet Hub101 connected to MFD Composite Connector Network Port, see Figure 2
- Seakeeper 5" Touch Display Port: M12, male, straight, D, circular connection
- Seakeeper ConnectBox Port: M12, male, straight, D, circular connection
- Seakeeper Furuno Ethernet Wire Harness Cable Assembly

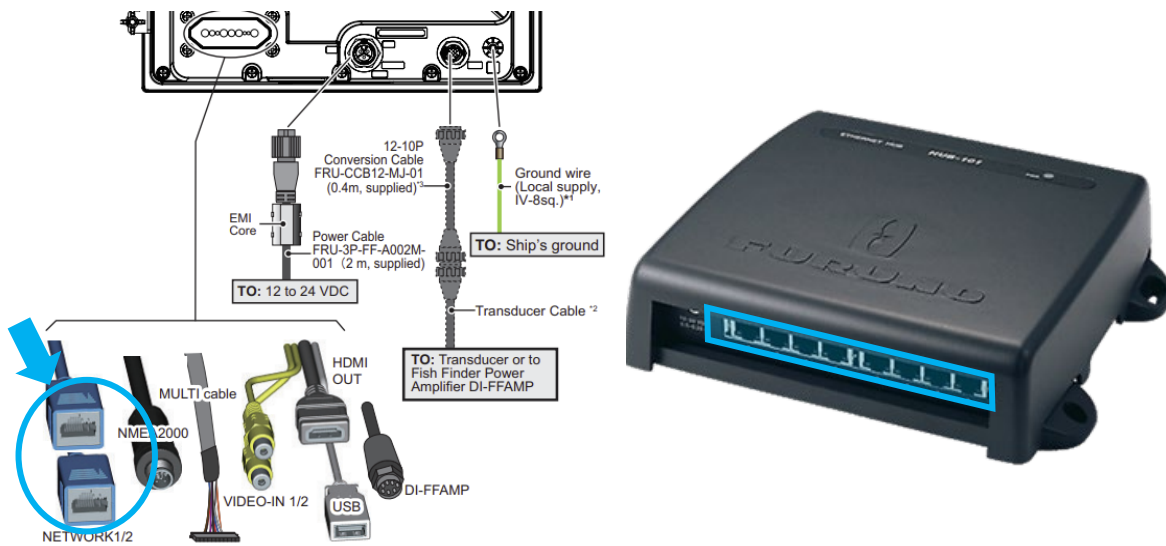


Figure 2: Connect Cable 20506 directly to the Network 1/2 port on the MFD (right) or the Furuno Ethernet Hub101 (left)

## CONNECTION FROM SEAKEEPER 5" TOUCH DISPLAY

1. **Connect** the Seakeeper 5" Touch Display to the Furuno MFD Ethernet port using Furuno Ethernet Wire Harness Cable Assembly (P/N 20506). Seakeeper MFD Cables are available for purchase from Seakeeper and are 2 m (6.5 ft) long.
2. If a longer cable is needed to connect the Furuno MFD to the Seakeeper 5" Touch Display, Seakeeper offers a 10 m cable extension (Seakeeper P/N 30330) that should be plugged into the back of the Seakeeper 5" Touch Display and connected to the Furuno Ethernet Wire Harness Cable.
3. The Furuno cable connects to the back of the Seakeeper 5" Touch Display in the port highlighted in Figure 3 and the back of the Furuno MFD at network port or Ethernet Hub101, shown in Figure 2.


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Figure 3: Port for Seakeeper 5" Touch Display to MFD Connection

4. Once hardware is connected, cycle power to the Seakeeper display and MFD off and then back on. **PRESS** the SETTINGS  button on the Seakeeper 5" Touch Display and choose "FURUNO" from the MFD dropdown list, as seen in Figure 4 below.
  - 4.1. If "FURUNO" is not present in the dropdown list select "GARMIN."

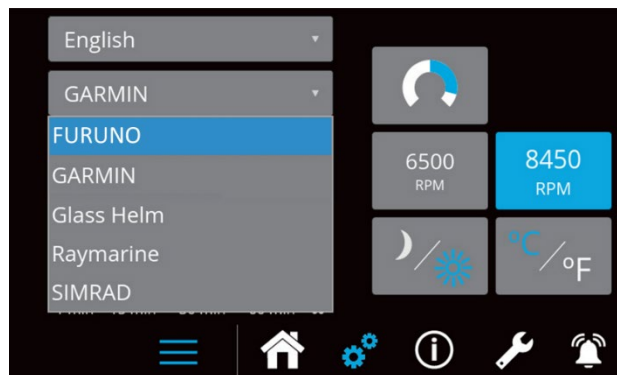


Figure 4: Seakeeper Display's Settings Screen showing Furuno in the MFD dropdown menu

5. The Seakeeper App will now be populated in the home page screen, as seen below in Figure 5.



Figure 5: Furuno MFD Home Page - With Seakeeper Application Icon

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### CONNECTING TO A SEAKEEPER CONNECTBOX

1. **Connect** the Seakeeper ConnectBox to the Furuno MFD Ethernet Hub101 using port using Furuno Ethernet Wire Harness Cable Assembly (P/N 20506). The Seakeeper Adapter Cable (P/N 30330) extension comes standard with the ConnectBox.
  - 1.1. The Furuno Ethernet Cable is 2 m (6.5 ft) long and the Seakeeper Adapter Cable is 10 m long. If a total cable length of 12 m is not sufficient, a second Seakeeper Adapter Cable (P/N 30330) can be purchased and added to the assembly to provide an additional 10 m of length.

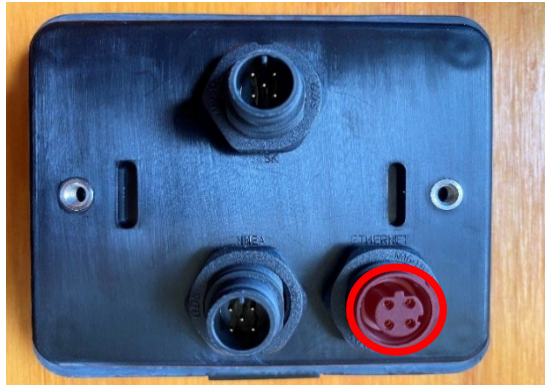



Figure 6: Port for Seakeeper ConnectBox to MFD Connection

3. Once hardware is connected, with power turned on to the Seakeeper, **HOLD** the WIRELESS button  on the ConnectBox down for 10 seconds to program the ConnectBox for connecting to a Furuno MFD.
4. Once hardware is connected, **CYCLE** power to the Seakeeper and the MFD.
5. The Seakeeper App will now be populated in the Home Page screen, as seen in Figure 5.


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## MULTI-SEAKEEPER SUPPORT

1. Start by checking that each Seakeeper 5" Touch Display onboard has a unique Seakeeper ID.

1.1. The Seakeeper ID can be checked or changed by holding the SETTINGS button  on the Seakeeper 5" Touch Display for five (5) seconds, then selecting the Seakeeper ID drop-down menu.

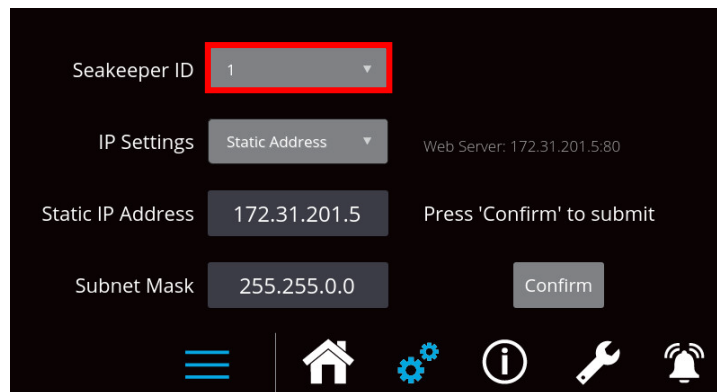


Figure 7: Furuno Multi-Seakeeper Server Settings Screen for Seakeeper ID 1

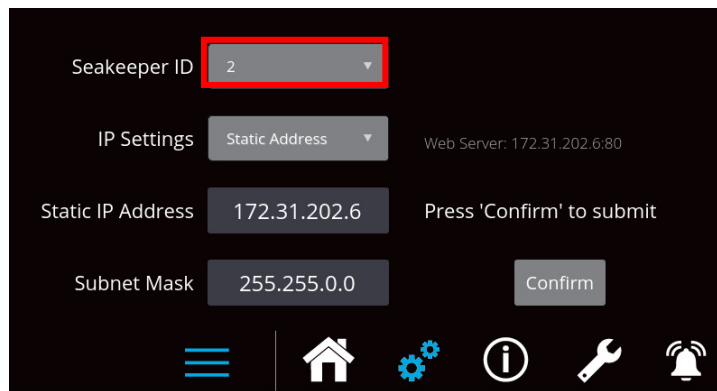


Figure 8: Furuno Multi-Seakeeper Server Settings Screen for Seakeeper ID 2 through 10

2. Multi-Seakeeper display screens can be seen in Figure 9. The Seakeepers can all be locked and unlocked in the home screen. Toggle arrows at the top of the screen can be used to navigate to each Seakeeper's respective home screen, where specific details to a particular Seakeeper can be found.

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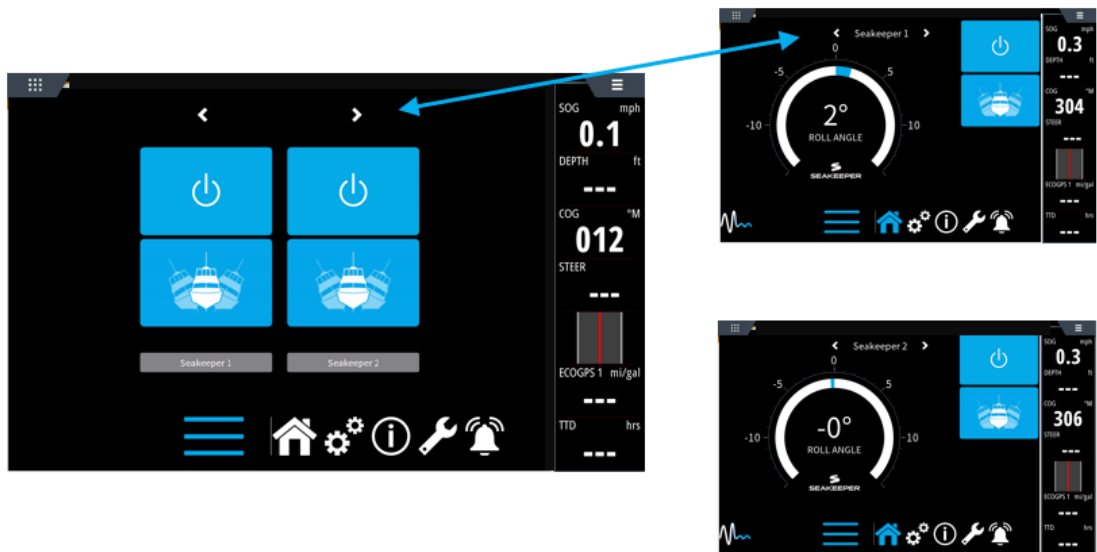


Figure 9: Multi-Seakeeper Home Page (left) Showing Seakeeper Toggle Arrows. Seakeeper 1 Home Page (top right). Seakeeper 2 Home Page (bottom right)

## TROUBLESHOOTING

1. If the Seakeeper app does not load onto the Furuno MFD once connected, the following steps should be taken:
  - 1.1 **ENSURE** physical cable connections at the back of the Seakeeper display, the MFD, and any connectors and hubs are secure.
  - 1.2 **RESTART** the MFD and cycle power to the Seakeeper.
  - 1.3 **UPDATE** both the MFD and Seakeeper Display / ConnectBox software to the most up-to-date versions and cycle power.
2. For additional support call or email Seakeeper Technical Support at +1-240-718-6440 or [Support@seakeeper.com](mailto:Support@seakeeper.com).

Revision	Description	Approval	Date
1	Initial Release	DMF	25FEB2022