DESCRIPTION

Seakeeper and Simrad have teamed up to make your boating experience an even better one. We are now able to control and monitor Seakeepers using NSO Evo2, NSO Evo3, NSS Evo3, GO7 XSR, GO9 XSE, and GO12 XSE series Simrad MFDs. Software and hardware requirements for enabling this feature can be found below.

COMPATIBLE SIMRAD AND SEAKEEPER HARDWARE

1. Simrad Hardware: NSO Evo2, NSO Evo3, NSS Evo3, GO7 XSR, GO9 XSE, and GO12 XSE series units.
2. Seakeeper Hardware: any Seakeeper model with a 5" Touch Display (P/N 30298) or Seakeeper ConnectBox (P/N 20415).
   NOTE: A display upgrade kit is available for some Seakeepers currently utilizing older displays.

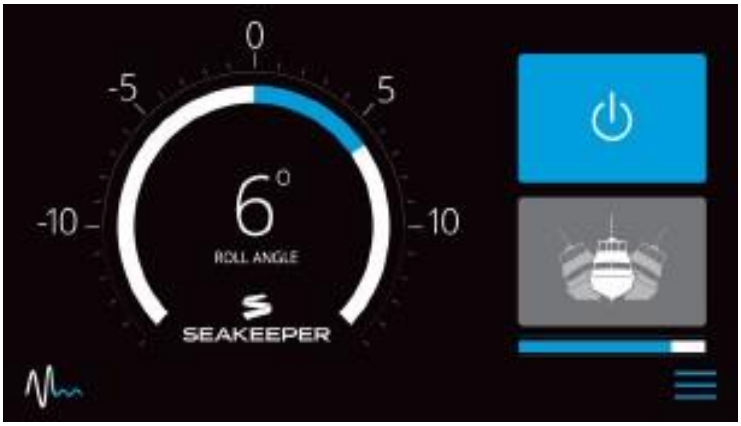

Figure 1: Seakeeper 5" Touch Display Home Screen

SOFTWARE REQUIREMENTS

1. Simrad software: Can be downloaded at: http://downloads.simrad-yachting.com/
   1.1. NSO and NSS models: 19.1
   1.2. GO models: 18.3
   NOTE: Seakeeper is not responsible for updating Simrad software.
2. Seakeeper 5" Touch Display software 7.40.0.1951 or later.
3. Seakeeper ConnectBox software 1.2 or later.

The most recent software release for the Seakeeper 5" Touch Display and ConnectBox is always recommended. Contact 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

1. Simrad MFD Port: Ethernet (RJ45)
2. Seakeeper 5" Touch Display Port: M12, male, straight, D, circular connection
3. Seakeeper ConnectBox Port: M12, male, straight, D, circular connection

CONNECTION FROM SEAKEEPER 5" TOUCH DISPLAY

1. Connect the Seakeeper 5" Touch Display to the Simrad MFD Ethernet port using a custom Seakeeper cable. Seakeeper cables (Seakeeper P/N 20346 "Simrad Ethernet Wire Harness Cable Assembly") are available for purchase from Seakeeper and are 2 m (6.5 ft) long.
   1.1. If a longer cable is needed to connect the Simrad 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 the Simrad Ethernet Wire Harness Cable.
2. The Simrad cable connects to the back of the Seakeeper 5" Touch Display in the port highlighted in Figure 2 and the back of the Simrad MFD at the port highlighted in Figure 3.

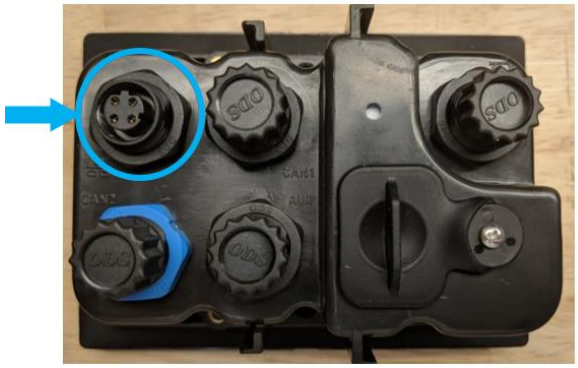

Figure 2: Port for Seakeeper 5" Touch Display to MFD Connection

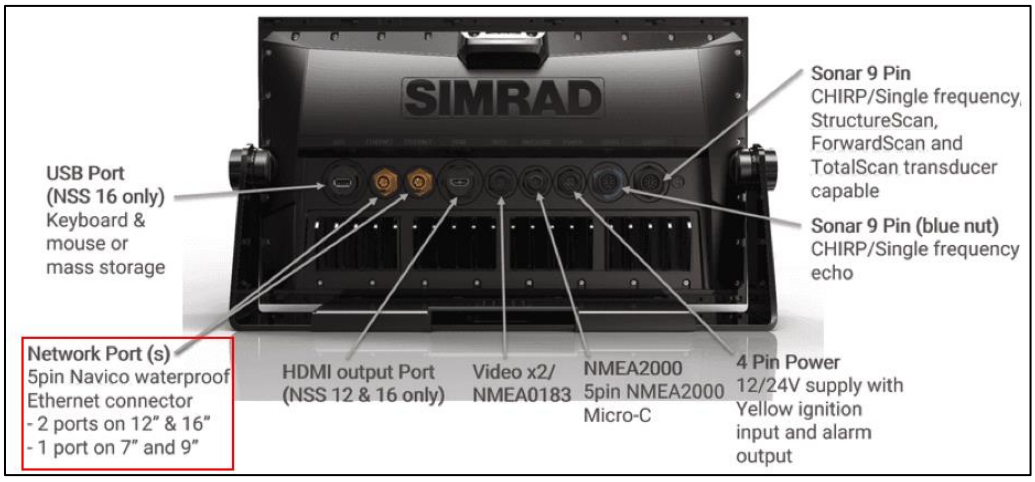

Figure 3: Connect Cable 20373 to a "Network" Port on the Back of the MFD

3. 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 "Simrad" from the MFD dropdown list, as seen in Figure 4 below.

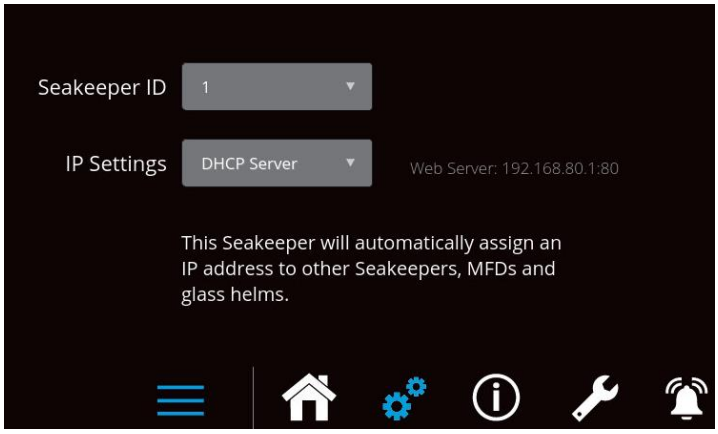

Figure 4: Seakeeper Display's Settings Screen Showing Simrad in the MFD Dropdown Menu

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

Figure 5: Simrad MFD Home Page – With Seakeeper Application Icon

CONNECTION FROM SEAKEEPER CONNECTBOX

1. Connect the Seakeeper ConnectBox to the Simrad MFD Ethernet port using two Seakeeper cables. Seakeeper cable "Simrad Ethernet Wire Harness Cable Assembly" (Seakeeper P/N 20346) is available for purchase from Seakeeper. "Seakeeper Adapter Cable" (Seakeeper P/N 30330) comes standard with the Seakeeper 1, CABLE 10 on the Seakeeper 1 Cable Block Diagram (Dwg 90511).
   1.1. The Simrad Ethernet Wire Harness 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 can be purchased and added to the assembly to provide an additional 10 m of length.
   1.2. The Seakeeper Adapter Cable is required to be plugged into the ConnectBox. The 4-pin D Code connection on the Simrad Ethernet Wire Harness Cable terminal does not fit on the back of the ConnectBox when installed in the Seakeeper 1 enclosure.
2. The Simrad cable connects to the back of the Seakeeper ConnectBox in the port highlighted in Figure 6 and the back of the Simrad MFD at the port highlighted in Figure 7.

Figure 6: Port for Seakeeper ConnectBox to MFD Connection

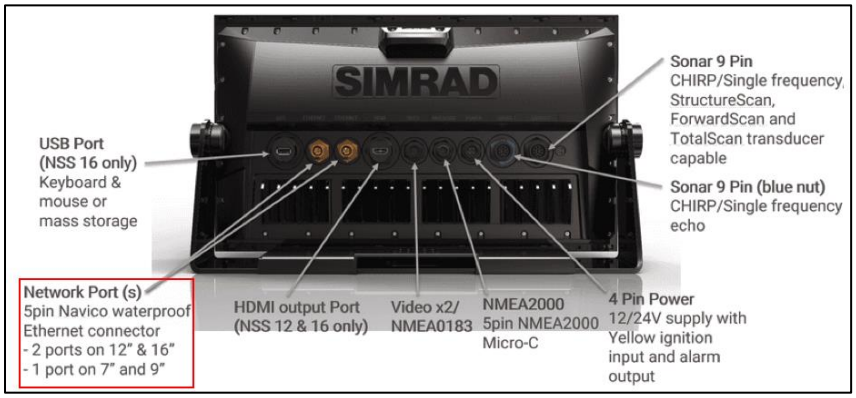

Figure 7: Connect Cable 20346 to the Yellow Network Port Marked "Ethernet" on the Back of the MFD

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 Simrad MFD.
4. Next, cycle power to the MFD.
5. The Seakeeper App will now be populated in the Home Page screen, as seen below in Figure 8.

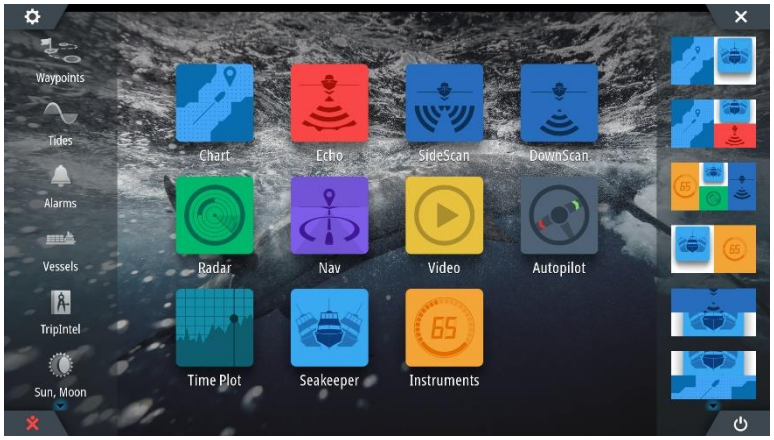

Figure 8: Simrad MFD Home Page – with Seakeeper Application Icon

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.

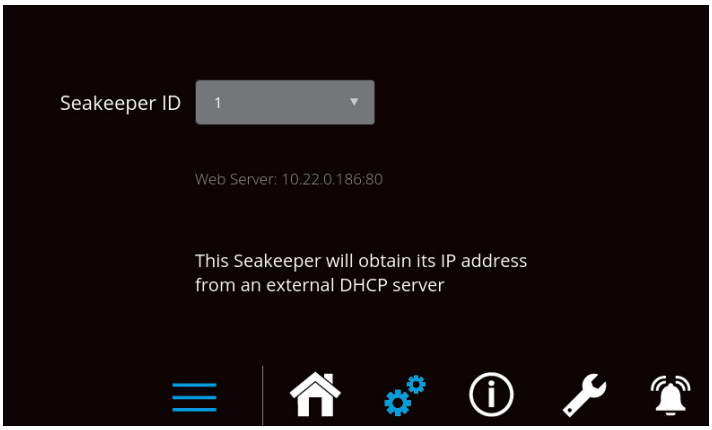

Figure 9: Simrad Multi-Seakeeper Server Settings Screen for Seakeeper ID 1

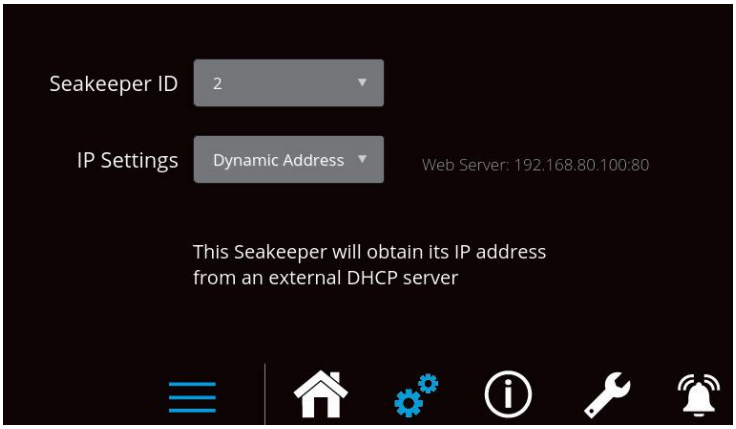

Figure 10: Simrad Multi-Seakeeper Server Settings Screen for Seakeeper ID 2 through 10

2. Connect 2 MFDs using the Simrad NEP-2 Network Expansion Port: SKU 000-10029-001
3. Multi-Seakeeper display screens can be seen in Figure 11. 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.

Figure 11: 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 Simrad MFD once connected, the following steps should be taken:
   1.1 Check physical cable connections at the back of the Seakeeper display, the MFD, and any connectors and hubs.
   1.2 Restart the MFD and cycle power to the Seakeeper.
   1.3 Update both the MFD and Seakeeper software to the most up-to-date versions.
2. For additional support call or email Seakeeper Technical Support at +1-240-718-6440 or Support@seakeeper.com.