

CHIRP
Side-Scan
FAQ

NAVnet

TZ3
touch

18.0 °F
Gain 50
230 kHz

FURUNO

TZtouch3 CHIRP Side-Scan FAQ

Q1 Which MFD models will be compatible with TZtouch3 CHIRP Side-Scan?

The following TZtouch3 MFDs are fully compatible with CHIRP Side-Scan. TZtouch3 TZT12F, TZT16F and TZT19F MFDs. If connected in a TZtouch3 system with a 12F,16F or 19F that has a CHIRP Side-Scan transducer connected, you can view and fully control Side-Scan from a TZT9F or TZT2BB.

Not compatible in any form are NavNet 3D, TZtouch, and TZtouch2 TZTL12/15F.

Q2 What transducers and accessories are available for TZtouch3 CHIRP Side-Scan?

Three transducers are available for CHIRP Side-Scan, a thru-hull, transom mount and a paired set. Information on transducer types can be found under the TZtouch3 MFD product information pages on the Furuno USA website.

Model numbers are, 225T-SS904 (Thru-hull), 225T-TM904 (Transom mount), and 225T-PR904 (paired set)

Available accessories for the CHIRP Side-Scan transducers

10m extension cable, part # SG3-000-002-01. Standard cable length of the transducers is 12m.

Fairing block for Thru-Hull and Paired Set. Available Fall of 2022.

Q3 Can I mix a DFF1-UHD, DFF3-UHD, DFF1, BBDS1, DFF3 and/or DFF3D with TZtouch3 CHIRP Side-Scan all on the same network?

Yes. You can have up to a max of 12 different Fish Finders on a TZtouch3 network. You can use up to two different active Fish Finders on the network if the system has at least two or more MFDs in it, not counting the DFF3D or CHIRP Side-Scan. You can only view one Fish Finder at a time on each MFD. However, TZtouch3 CHIRP Side-Scan along with one Fish Finder, internal (inside MFD) or black box, and the DFF3D can be operated and viewed at the same time on each TZtouch3 MFD or TZT2BB in the network. In fact, we recommend combining these complimentary systems on the same display page.

Q4 I have a single TZtouch3 MFD. Can I still take advantage of CHIRP Side-Scan?

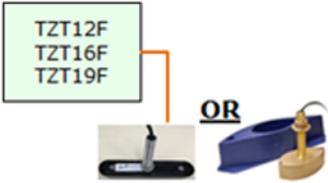
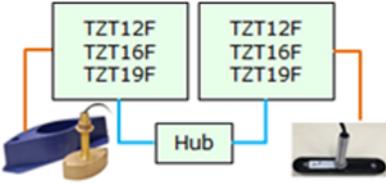
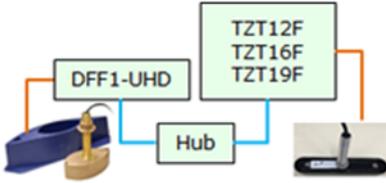
You have a few options in order to take advantage of TZtouch3 CHIRP Side-Scan with a single 12"/16"/19" TZT3 MFD installed on your vessel:

- 1) The MFD's built-in Fish Finder allows you to choose between directly connecting a down-sounding transducer or a CHIRP Side-Scan transducer to the 12 pin XDR port on the back of the MFD. If you don't have any transducer attached to this port, just plug-in the CHIRP Side-Scan transducer.
- 2) You can add a second TZT12F/16F/or 19F to your system and connect the CHIRP Side-Scan transducer to that MFD. Each MFD will be able to display and control both Side-Scan and conventional down sounding systems.
- 3) Depending on your current conventional down sounding transducer, you can add a black box Fish Finder to your system and connect that transducer to the black box. Available black box Fish Finders are the BBDS1 and DFF3 for CW transducers and the DFF1-UHD and DFF3-UHD for select CHIRP transducers. If your current transducer is a medium frequency CHIRP transducer, 300w, 600w, or 1kw, neither the DFF1-UHD, nor the DFF3-UHD can support it.

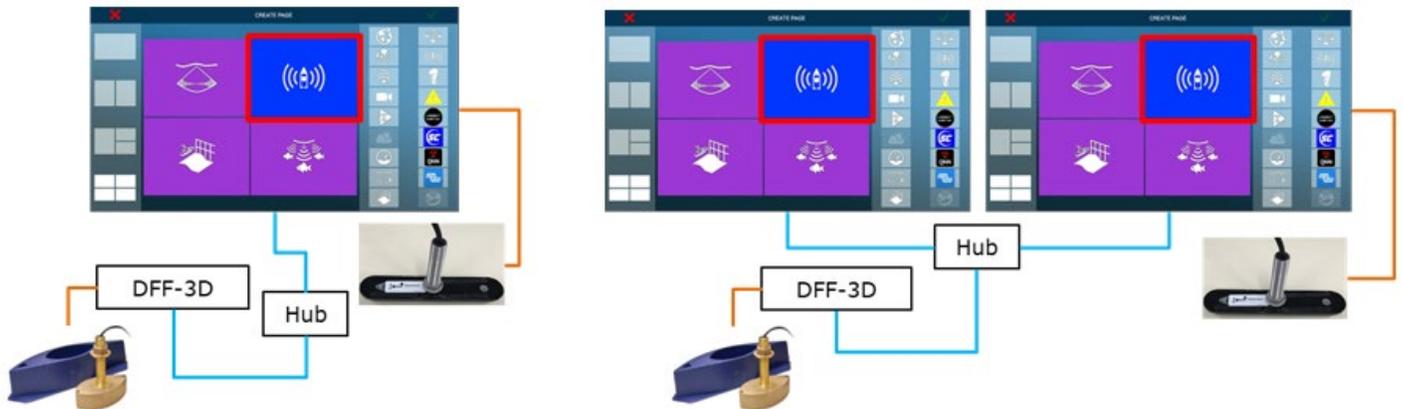
Q5 How is the TZtouch3 CHIRP Side-Scan connected to the network?

TZtouch3 CHIRP Side-Scan is connected to the network by physically connecting one of the three available CHIRP Side-Scan Transducers into an "open" 12pin Fish Finder port on the back of a TZtouch3 12-19" MFD.

Configuration Information

Single MFD	Multi MFDs	Single MFD with DFF1-UHD
 <p>In a single configuration without an external Fish Finder sensor, either Side-Scan or built-in Fish Finder can be used because there is only one transducer port on the MFD. Connect either the CHIRP Side Scan SS904 or Dual Band CHIRP transducer to the 12-pin port.</p>	 <p>In multi stations, connect the CHIRP Side Scan transducer SS904 to one of the MFDs and a Dual Band CHIRP transducer to the other.</p>	 <p>When the DFF1-UHD is installed for a 1 kW 50/200 kHz Dual Band CHIRP (B265LH, etc.), in addition to a single TZT12F/16F/19F, connect the CHIRP Side Scan transducer SS904 to the MFD and the Dual Band CHIRP transducer to the DFF1-UHD.</p>

Example connection diagrams



Q6 Is CHIRP Side-Scan compatible with Nobeltec TimeZero?

No.

Q7 Can the TZtouch3 CHIRP Side-Scan transducer also supply temp information to the TZtouch3 network?

Yes. TZtouch3 CHIRP Side-Scan transducers have a built-in temperature sensor.

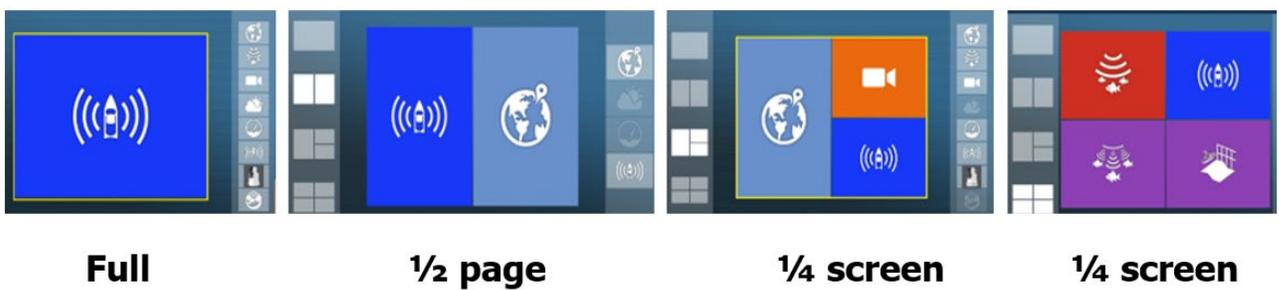
Q8 Does the TZtouch3 CHIRP Side-Scan support Accu-fish?

No. High and low frequency comparison information is needed in order to provide Accu-Fish, fish size information.

Q10 Are there any special setup procedures for TZtouch3 CHIRP Side-Scan?

No. The compatible TZtouch3 MFD must have version 3.01 software or higher and have a Side-Scan transducer installed for it to unlock the feature and populate a new tile on the home page.

Display page options for viewing Side-Scan



Q11 Can I use TZtouch3 CHIRP Side-Scan to replace my traditional echo sounder?

Side-Scan is meant to complement your existing conventional Fish Finder and is not intended as a replacement. For best fish detection performance, it is recommended to have a dedicated conventional Fish Finder in addition to Side-Scan.

Q12 How far out can TZtouch3 CHIRP Side-Scan see out to the sides?

750ft. Maximum range is dependent upon the depth and bottom condition.

Q13 How long are the transducer cables?

Transducers come with 12m cables (40 feet). A 10-meter extension cable is available, part # SG3-000-002-01.

Q14 Can TZtouch3 CHIRP Side-Scan use heave information?

No. Heaving correction is not available for CHIRP Side-Scan.

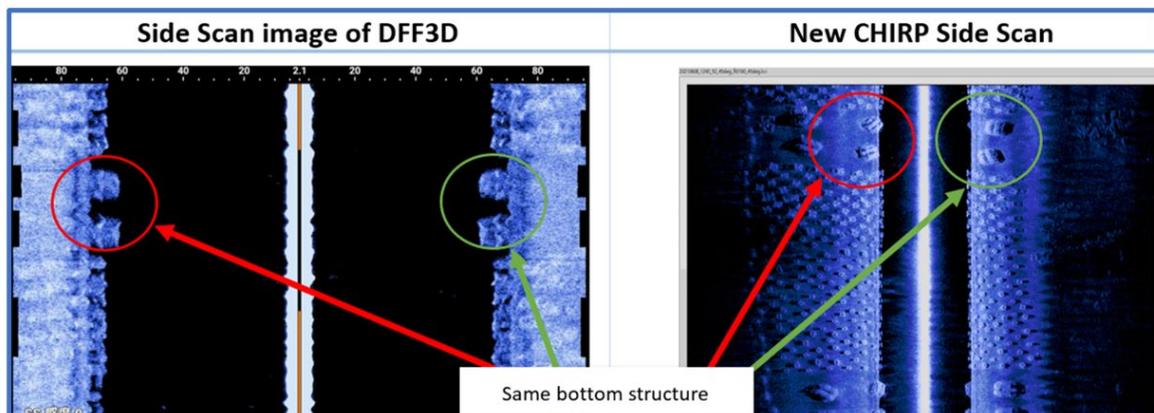
Q15 What is the frequency of TZtouch3 CHIRP Side-Scan?

The center frequency is 230kHz.

Q16 I already have a DFF3D, why do I want or need to add TZtouch3 CHIRP Side-Scan?

The DFF3D can be used for deeper depths while the TZtouch3 CHIRP Side-Scan can be used when fishing and navigating in the shallows. Please note that if TZtouch3 Side-Scan is added to your existing system that includes DFF3D, the DFF3D Side-Scan will no longer be available.

Comparison of DFF3D vs TZtouch3 CHIRP Side-Scan



Q17 Can I record PBG with the TZtouch3 CHIRP Side-Scan?

No. Only the DFF3D Sonar can create and record PBG data.

Q18 I found out that I installed my Thru-Hull transducer backwards. What can I do to correct this?

An 180° offset can be applied to single Thru-hull transducer installations that are installed backwards. This is done in the setup menu.

Note: Not available for paired transducer installations.

Q19 If I see a fish or interesting structure on the TZtouch3 CHIRP Side-Scan screen, can I tap it and easily save that mark on my plotter screen?

Yes. Simply tap on the fish target or structure seen on your Side-Scan screen and choose New Point. This will save that exact mark and display it on your plotter screen. You could also use the "Fish-It" feature as well.

Q20 How easy is the TZtouch3 CHIRP Side-Scan feature to set up and use?

Settings are quickly accessible by sliding up from the bottom of the screen or sliding out from the left side of your screen. Using just Gain and Clutter alone will give you a great Side-Scan target presentation.

Q21 What colors are available for the TZtouch3 CHIRP Side-Scan images?

There are four colors choose from, White, Blue, Brown, and Green. These are easily selectable by sliding up from the bottom of the screen.

Q22 Will I be able to view TZtouch3 CHIRP Side-Scan on any of the Furuno Apps?

Yes. TZtouch3 CHIRP Side-Scan can be viewed and adjusted using the Furuno N-Remote App. It will not be displayed on the N-Viewer App.

Q23 Do I need anything more than basic GPS data to drop a waypoint on a side-scan target?

NO. TZtouch3 CHIRP Side-Scan allows a waypoint to be created directly on the side-scan screen by touching the target of interest and selecting "New Point". Heading data is not a requirement.

Q24 Where must I mount the Side Scan transducer?

Thru-Hull (225T-SS904), Transom Mount (225T-TM904): Both the Thru-Hull and the Transom Mount Side Scan transducer's beam travels directly outward along the surface of the water down to about 40 degrees. Each transducer must have unobstructed views on each side of the vessel. For the Thru-Hull, this means that it must be mounted at bottom of the keel. Some boat manufacturers provide a flat narrow pad in the keel bottom to accommodate side scan transducers. If your vessel does not have a flat spot at the bottom of the keel, it is recommended to make this type of flat spot in the keel for the thru-hull transducer.

The Transom Mount (TM) transducer must be mounted in a location on the transom that does not have any obstructions on either side up to the surface of the water and preferably lower in the water near the keel.

Q25 Reasons for choosing a frequency of 220-240kHz for TZT3 Side Scan?

There were a number of factors that led Furuno to specifically choose to use a CHIRP side-scan frequency of 220-240kHz.

As you have seen with standard fish finder technology, it is well known that the lower the frequency being transmitted by any fish finder the longer the effective signal range can be to find targets. Furuno has specifically chosen this lower CHIRP frequency to allow users to see targets at the furthest side-scan distance possible when compared to other side-scan units on the market.

Not only does this particular CHIRP frequency allow for the longest range of side-scan detection possible, but it also offers remarkable clarity of these targets to help the user better understand what is around his vessel.

This frequency choice takes into account some very important factors in its inherent design to better help users find fish quicker. While seeing individual fish at a range of 750 feet off either side of your vessel might seem impossible, this frequency will allow you to both find and see structure at these distances. Once structure is located and identified on Furuno's TZT3 CHIRP side-scan, it can then be easily navigated to on your TZT3 plotter screen for a closer look to find fish within the structure.

The choice of this frequency can also help mariners during their voyage for navigational purposes. By using a lower frequency than the industry standard for

side-scan products, Furuno substantially widens the viewable side scan distances off of each side of your vessel to help you better understand where shoaling, structure and other underwater dangers may be found to keep you and your vessel safe from harm.

Rev 8/3/2022