
SIMRAD
NSS EVO3
NSO EVO2
NSO EVO3S
NSO EVO3S | MFD
NSO EVO3S | MPU
20.0 Software update (NOS 63)
Release notes

Simrad Multifunction Display Software Update 20.0

Software versions and file names

Model	Ver	Filename
NSO evo3	20.0 :	NSS_evo3-20.0-63.1.291-Standard-1.upd
NSO evo2	20.0 :	NSO_evo3-20.0-63.1.291-Standard-1.upd
NSS evo3	20.0 :	NSS_evo3-20.0-63.1.291-Standard-1.upd
**Version loaded at the factory on these new MFDs*		
NSO evo3s MFD*	20.0 :	NSO_evo3S_MFD-19.3-63.1.206-Standard-1.upd
NSO evo3s MPU*	20.0 :	NSO_evo3S_MPU-20.0-63.1.243-Standard-1.upd

May 2020

NSO EVO3S
NSO EVO3S | MFD
NSO EVO3S | MPU
NSO EVO2
NSS EVO3

SIMRAD

New feature description	NSO evo3	NSS evo3	NSO evo2	NSO evo3S MFD	NSO evo3S MPU
FLIR™ M232 camera, video over Ethernet	✓	✓		N	N
Simrad mobile companion app: Product registration	✓	✓	✓	N	N
Backup & synchronize data to cloud passage planner	✓	✓	✓	*	*
Naviop performance improvement's	✓	✓	✓	*	*
LiveSight support	✓	✓		N	N
Mercury Autopilot features unlocked	✓	✓	✓	*	*
Mercury VesselView Link: Enable future updates over NMEA 2000	✓	✓	✓	N	N
WM-4 Support	✓	✓		*	*
Control Lowrance GHOST and Rhodan Trolling motors	✓	✓	✓	*	*

* = In current production N = Next release

FLIR M232 IP Camera Support

NSO EVO3
NSS EVO3

This feature will follow in 20.0.1
for these products

NSO EVO3S | MFD
NSO EVO3S | MPU

SIMRAD

FLIR I.P. Camera support (Phase 1)

The M232 pan and tilt camera is one of FLIR's smallest and affordable marine thermal cameras. Featuring a resolution of 320 × 240, the M232 improves safety by revealing vessels and obstacles at night. Enjoy 360 degree viewing while underway.

The M232 distributes video over the Ethernet network. Simrad NSS and NSO evo3 range can now display and control this camera*

** In this version only one camera in one split screen is supported, later releases will support more.*

FLIR I.P. Camera support (Phase 1)

This version will support one FLIR M232 camera and only in one panel.

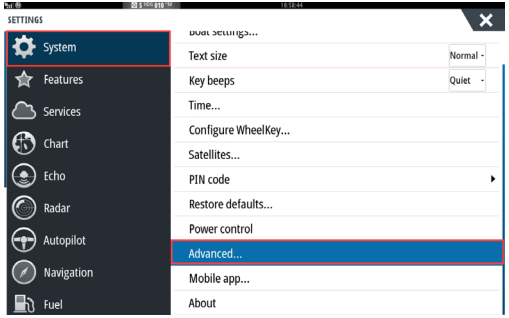
The camera can be controlled by one MFD at a time. Control is taken over when a user of an other MFD taps on the video panel displaying the camera.

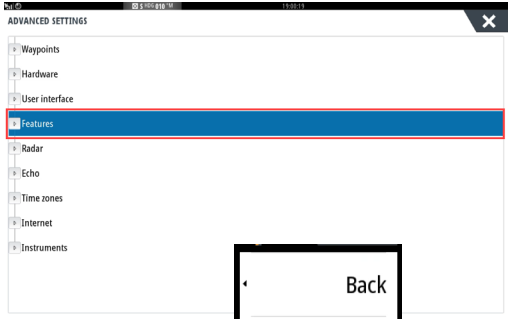
FLIR I.P. Camera support (Phase 1)

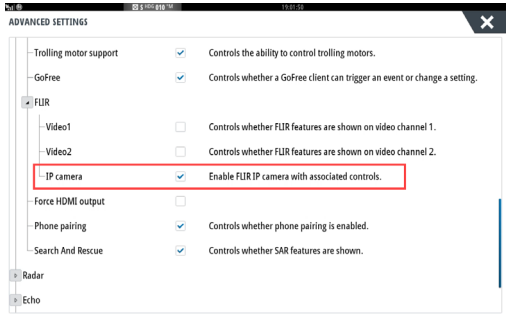
The FLIR M232 function will need to be turned on.

Settings > Advanced > Features > FLIR. Check the IP camera box.

On the video page, select IP Camera from the Video source menu







New Simrad Mobile App

Product registration

iPhone

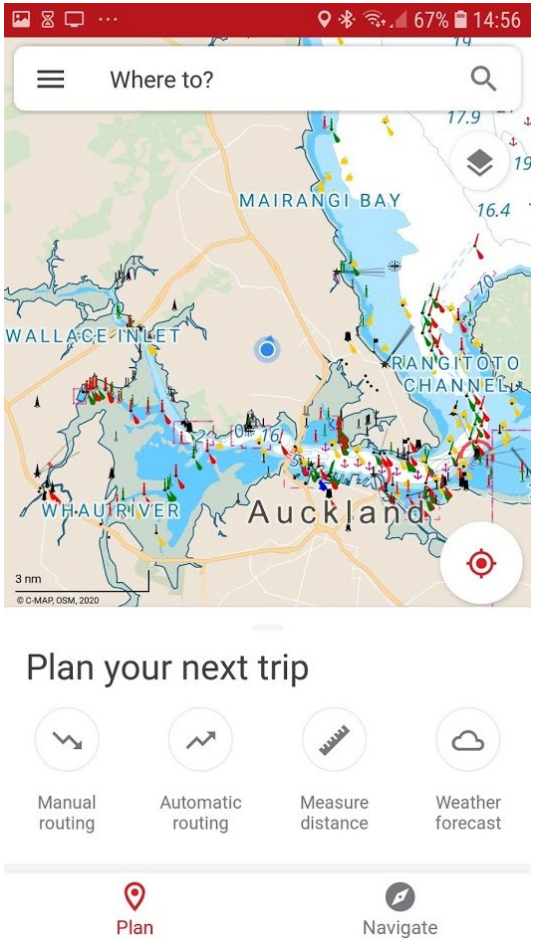
This feature is on these products

NSO EVO3
NSS EVO3
NSO EVO2

SIMRAD

Simrad Companion App:

- The new Simrad companion app available for Android and iOS devices works with compatible Simrad multifunction displays for an even richer experience – provides
  - Device registration
  - Manual downloads
  - Mobile charting app
  - Passage planning
  - Ability to back up waypoints routes and tracks that can be accessed both on and off the water

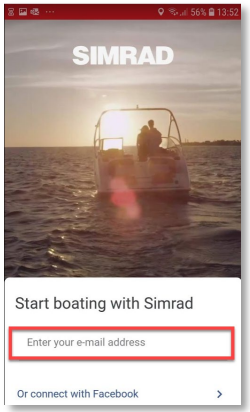


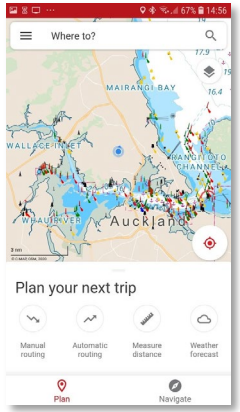
iPhone

Simrad Companion App: Login or create an account

- Install the Simrad Companion App on your mobile device
  - Visit the Apple Appstore or Google Play store
  - On the App store / Play. Search for "Simrad"
  - Sign up for a user account and set a password *Note: Your existing C-MAP Embark or C-MAP app account credentials can be used to sign-in to the mobile app. You do not need to create a separate mobile app account.*
  - Open the App. Start boating with Simrad. On first time use, you can use your existing C-MAP account or create an account by entering an email address and password. Do not sign in with Facebook. You will need to create an account with an email address and password that can be entered into a Simrad MFD

iPhone

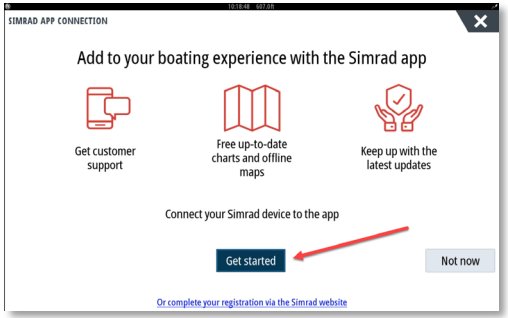


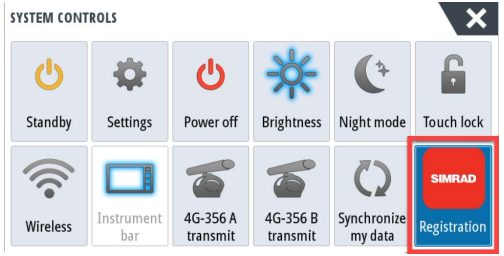


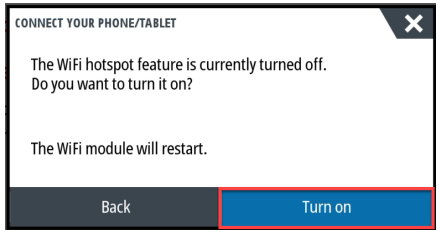
Simrad Companion App: Register a Chart plotter

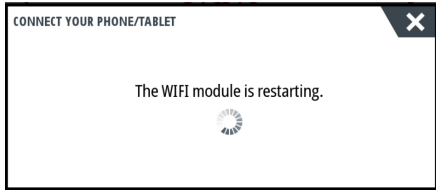
- Product registration is easy with the new Simrad companion app.
- The MFD will prompt registration as each start up or access from the System controls dialog
- The MFD will connect to a mobile device running the Simrad companion app

On the MFD connect the mobile device to the MFD Wi-Fi



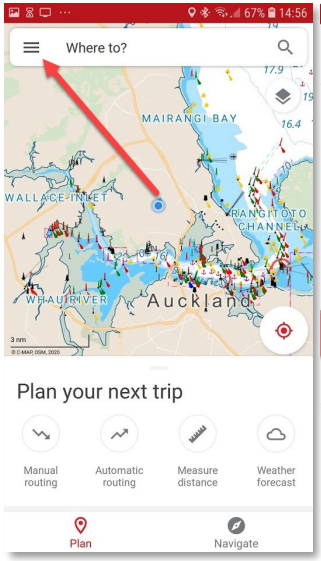


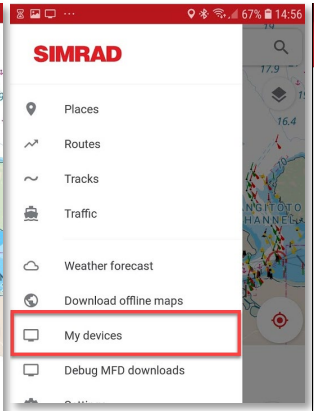


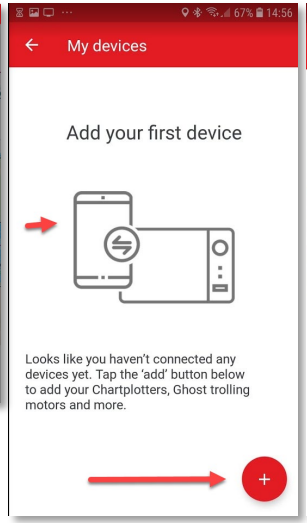


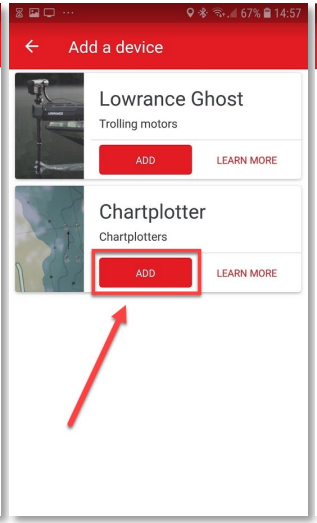
Simrad Companion App: Register a Chart plotter

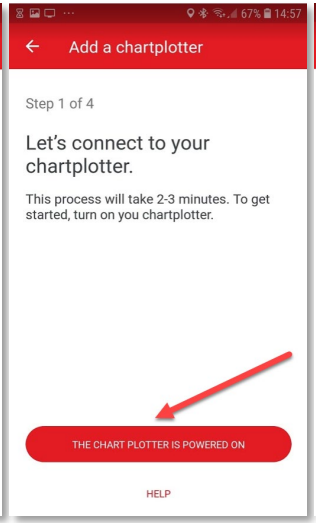
- Once logged into the Simrad mobile app, go to Menu > My devices and follow the on screen wizard

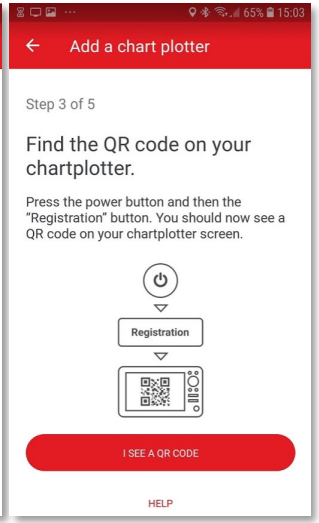






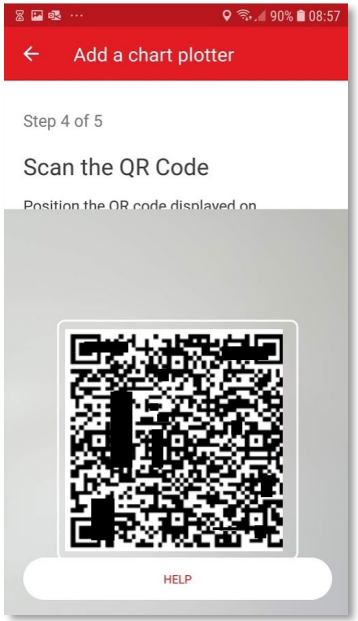


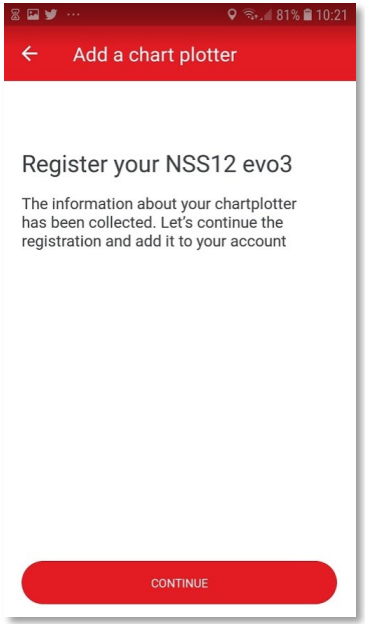


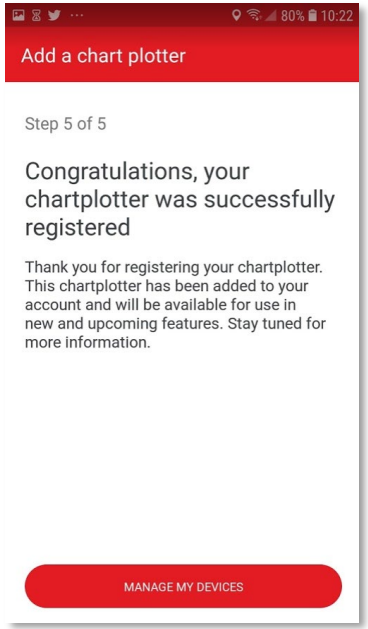


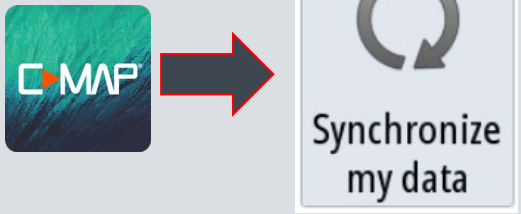
Simrad Companion App: Register a Chart plotter

- Make sure all MFDs and connected devices are powered on
- Scan the QR code that is displayed on the MFD.









Synchronize my data

Cloud Backup of Waypoint, Routes and Tracks

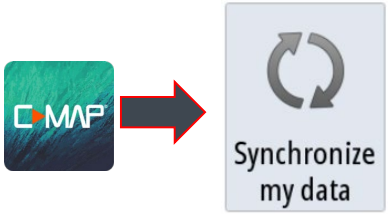
NSO evo2 MPU require internet access via a WIFI-1

NSO EVO3
NSS EVO3
NSO EVO2

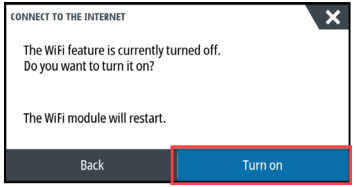
SIMRAD

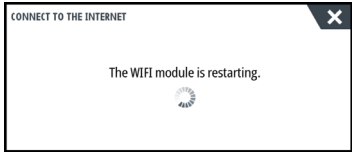
Synchronize my data

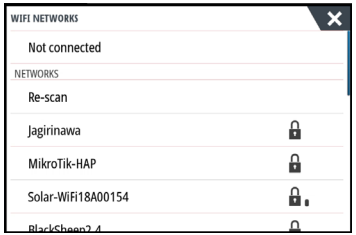
- C-MAP offers online and app based detailed nautical charts in a clear and sleek design, providing all the information you need to navigate or fish at anytime, anywhere. C-MAP covers seas and lakes worldwide and is part of the new Simrad companion app.
- Synchronise user created data such as routes, waypoints and tracks between the Simrad Companion App, or the C-MAP online chart and compatible MFDs
- The former C-MAP icon on the system control menu has changed to Synchronize my data

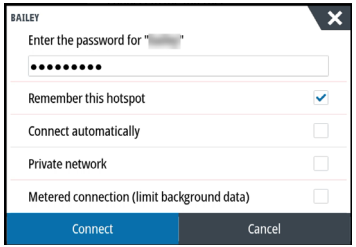


Synchronize my data

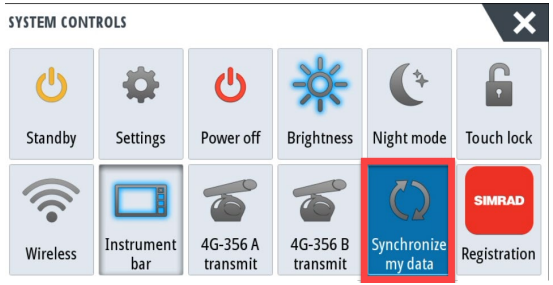


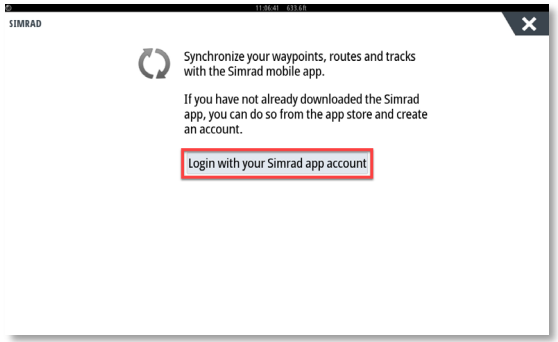






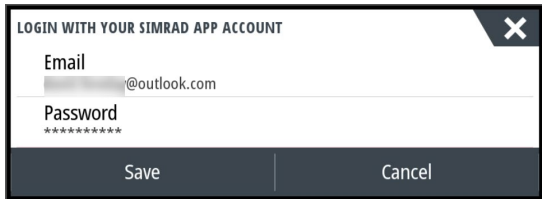
To Synchronize data, the display must be connected to the internet. Select Wireless from the system control.

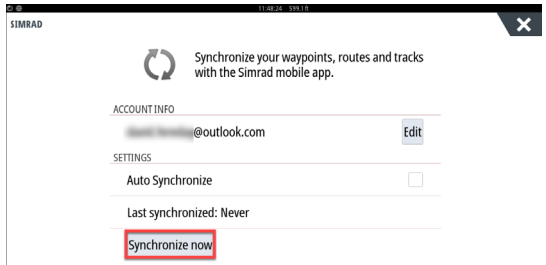




Select Synchronize my data from the system controls.

Login using the Simrad Mobile app email and password (see previous slides). Select Synchronize now.





NSO evo2 MPU require internet access via a WIFI-1

Mercury VesselView Link: Enable future firmware updates over NMEA 2000

Updates over NMEA 2000 require VesselView Link to be running version 20.0 or higher. If running a version less than 20.0, the VesselView Link has to be updated using a SD card inserted into the card slot of the VesselView Link

NSO EVO3
NSS EVO3
NSO EVO2

For compatible Mercury VesselView Link

This feature will follow in 20.0.1 for these products

NSO EVO3S | MFD
NSO EVO3S | MPU

MERCURY

SIMRAD

Enable future VesselView Link updates over NMEA 2000

- VesselView Link is a Mercury black-box engine interface that bridges SmartCraft proprietary data on to the NMEA 2000 network
- VesselView Link is traditionally updated by inserting an SD card containing the updater package into the VesselView Link . This is often very hard to access
- This release will allow **future updates** of VesselView Link to be performed from an MFD over the NMEA 2000 network. This version, 20.0, is installed in the usual way via an SD Card, but future versions can be installed over NMEA 2000

Updates over NMEA 2000 require VesselView Link to be running version 20.0 or higher. If running a version less than 20.0, the VesselView Link has to be updated using a SD card inserted into the card slot of the VesselView Link

Benefits of updating over NMEA 2000?

- This VesselView Link black box is usually mounted in a place in the boat where it's hardly accessible.
- The SD card slot is often too tight for most finger sizes to allow easy insertion and removal of the card.
- NMEA 2000 is the only cable between MFD and the VesselView Link
- Updating over NMEA 2000 utilizes the centralized over the cloud update system that MFDs use when the MFD is connected to the Internet.

Updates over NMEA 2000 require VesselView Link to be running version 20.0 or higher. If running a version less than 20.0, the VesselView Link has to be updated using a SD card inserted into the card slot of the VesselView Link

Notes regarding upgrading VesselView Link over NMEA 2000

- NMEA 2000 has low bandwidth for data transfer. **It will take about 40 mins to upgrade a unit over NMEA 2000**
- The update system supports simultaneous update of multiple VesselView Link units
  - This is good for 5-6 engines boats
  - Good for manufacturing in the factory or batch updating by boat builders and resellers
- Robust update mechanism
  - If the update is interrupted, such as power failure, it will continue after power is re applied. This enables splitting the update time when you want to preserve battery
- It has a reminder option for incomplete transfers.

Updates over NMEA 2000 require VesselView Link to be running version 20.0 or higher. If running a version less than 20.0, the VesselView Link has to be updated using a SD card inserted into the card slot of the VesselView Link

Upgrade over NMEA 2000 Instructions

- **Prerequisite**: The MFD and VesselView Link must be running this 20.0 release or higher.
- Future updates for the VesselView Link are downloaded and copied to an SD card.
- Insert the SD card into the MFD
- Go to HOME > STORAGE > MEMORY CARD> Select the VesselView Link update file
- Follow the on-screen instructions

Updates over NMEA 2000 require the VV Link to be running version 20.0 or higher. If running a version less than 20.0, the update the VV-Link using from a file on an SD card inserted into the VV-Link.

Mercury Autopilot features unlocked

NSO EVO3
NSS EVO3
NSO EVO2

Mercury Autopilot features unlocked

- The Mercury autopilot features, Drifthook, Bowhook, and Heading Adjust are now unlocked and no longer require purchase

WM-4 Sirius Weather module Support

NSO EVO3
NSS EVO3
NSO EVO2

SIMRAD

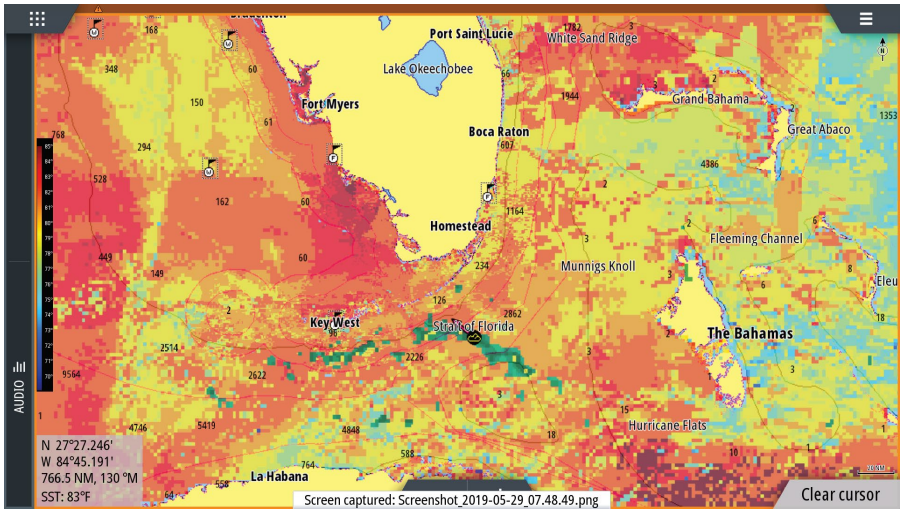
WM-4 Product Description

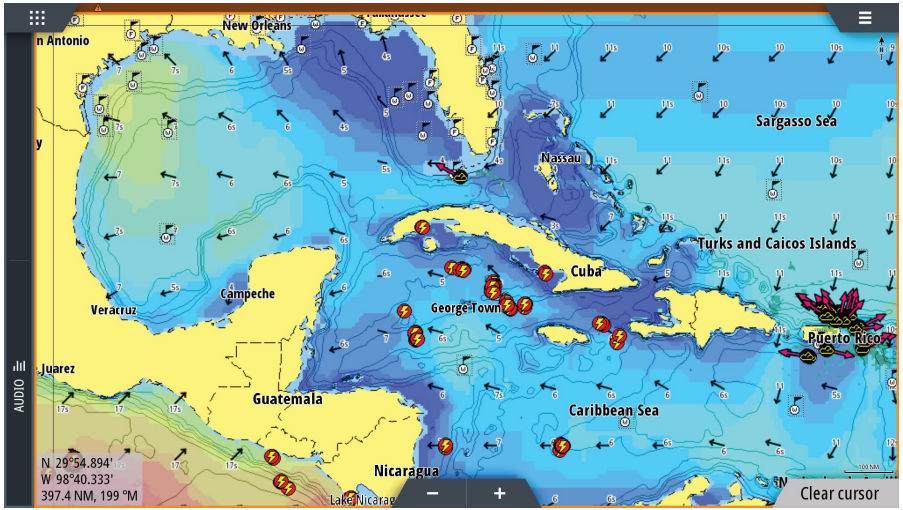
- This release will support the new WM-4 Sirius satellite weather and audio module
- The Navico WM-4 marine satellite weather/audio receiver is supported with this software version or later. The WM-4 receiver requires the appropriate SiriusXM subscription
- Note: SiriusXM weather is available for North America only.

SiriusXM®

SIMRAD®

SiriusXM Screen captures

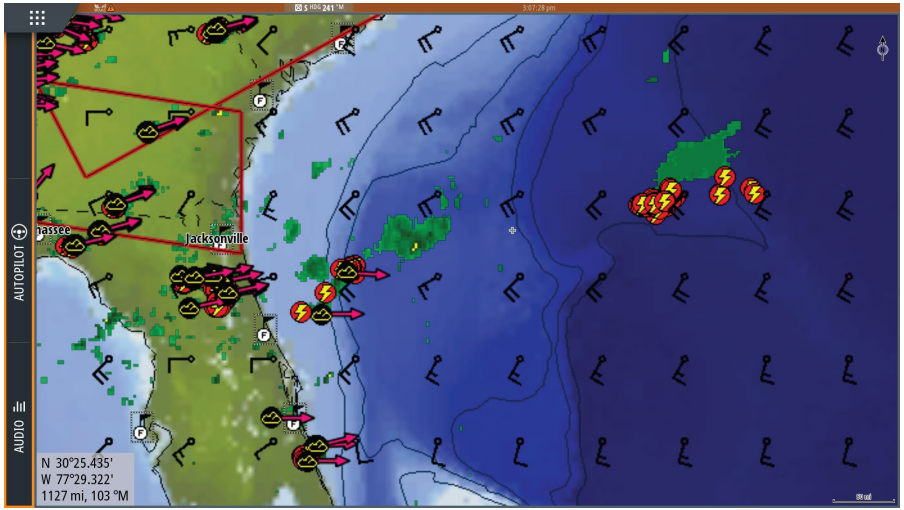




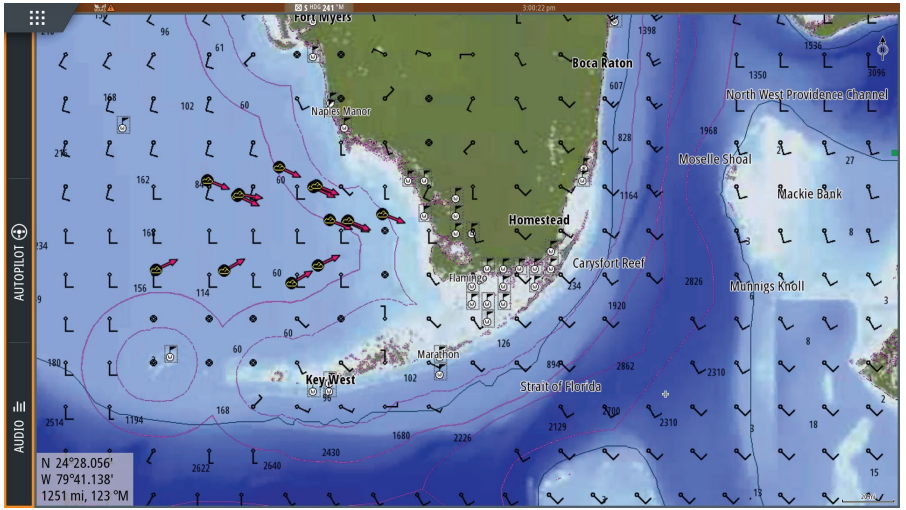
View Sea Surface Temperatures to help locate favorable fishing conditions

See Storm Cells, Lightning and Wave Period Height and Direction on your displays

SiriusXM Screen captures



See Weather Radar, Lighting, Weather Alerts and Warnings



See current and forecast wind conditions

SIMRAD

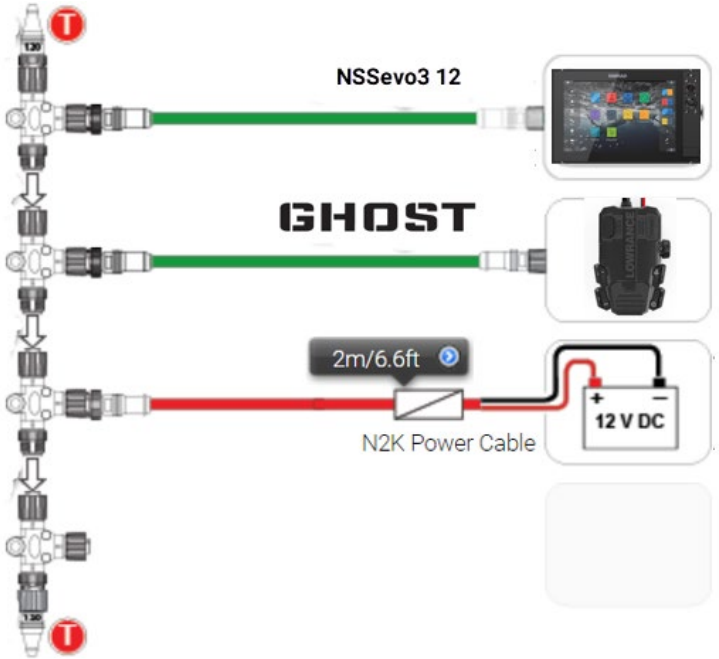
Ghost Trolling Motor Support

NSO EVO3
NSS EVO3
NSO EVO2

SIMRAD

Ghost is now integrated with Simrad displays

Lowrance Ghost



Lowrance Ghost software version 1.0.03 is required

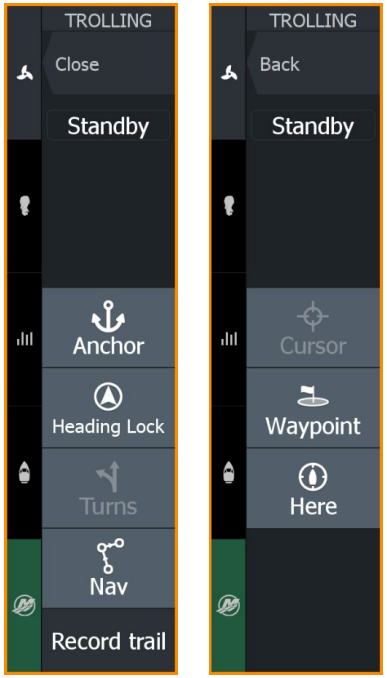
See the Lowrance or Simrad mobile app for Ghost connectivity and update instructions

SIMRAD

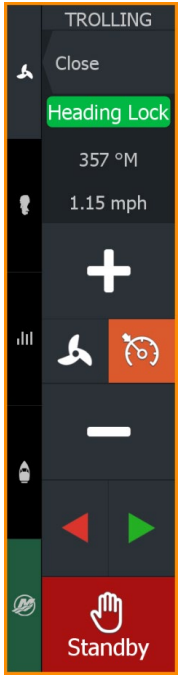
Ghost Control

- Ghost uses the left sidebar for all controls
  - Anchor
    - At current location
    - At waypoint
    - At cursor
  - Heading lock
    - With heading adjustment
  - Speed control
  - Navigation control of routes

Anchoring controls



Heading controls

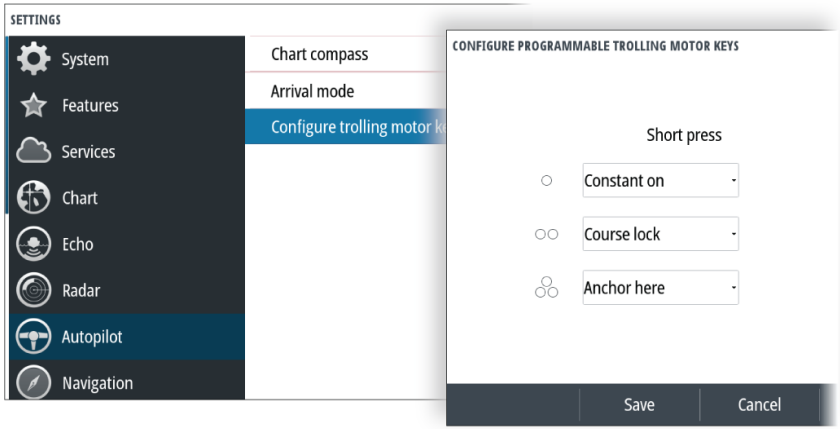


Ghost Foot Pedal Configuration

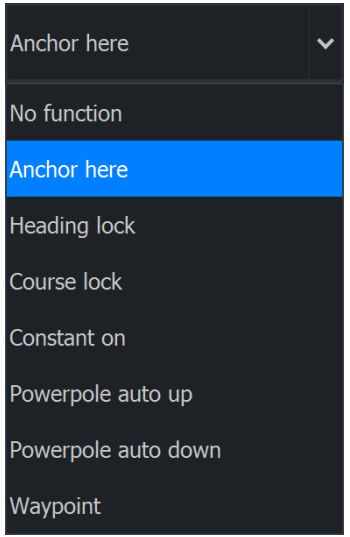
- Pressing the configurable buttons on the Ghost foot pedal allows configuration of their functions

Configurable buttons

Configuration panel



Configuration options



Naviop performance Improvements

Naviop performance improvements

- Currently Naviop has been displayed inside a web browser running on Simrad MFDs. This method has presented users with a slightly sluggish performance
- In this release, for compatible Naviop systems, Naviop will now run natively as part of the Simrad software. This means:
  - Naviop will have buttons on the home page
  - Naviop will be able to run full screen or as part of a split screen
  - Naviop will run much faster and be more responsive

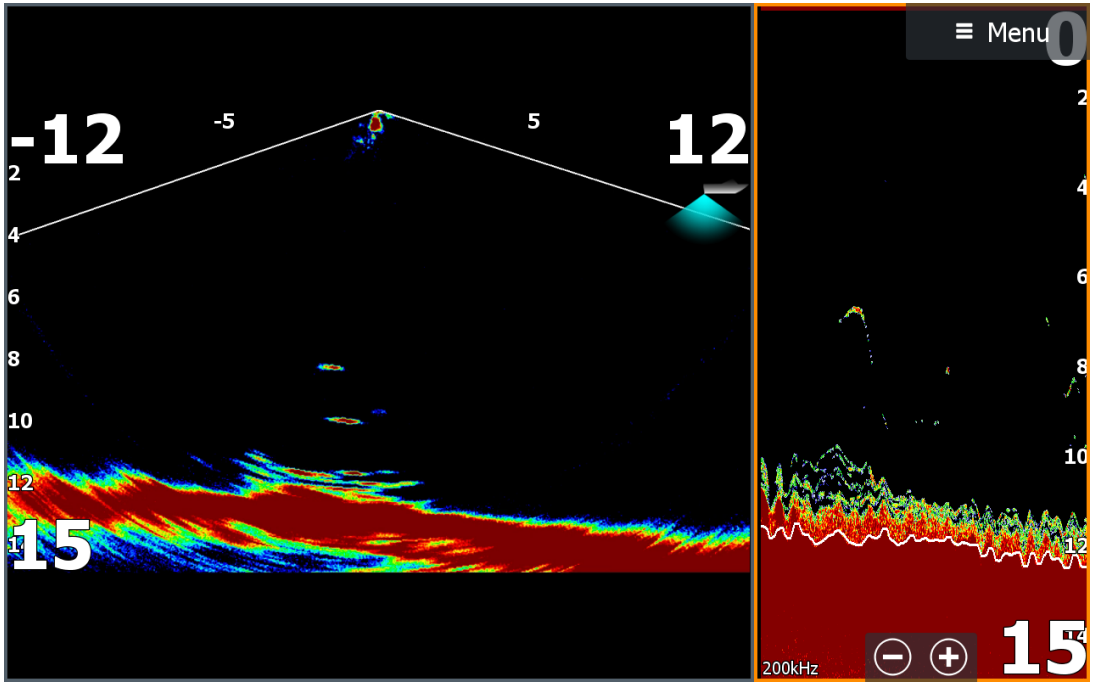
LiveSight transducer support

NSO EVO3S
NSS EVO3

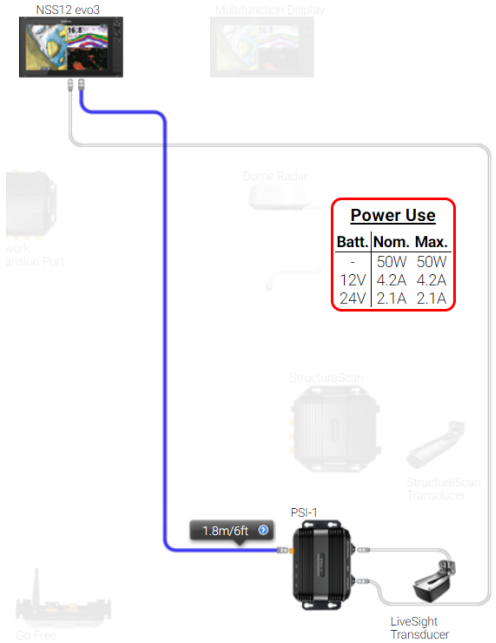
SIMRAD

LiveSight transducer support

Sonar interpretation made simple, LiveSight™ sonar turns all fishing into the most detailed views of fish, down to every turn and flip of the tail as they swim in and around cover. Fish in real-time and watch fish react to the lure, see how fish are relating to structure and gain insight on what's working, what's not and what to do next.

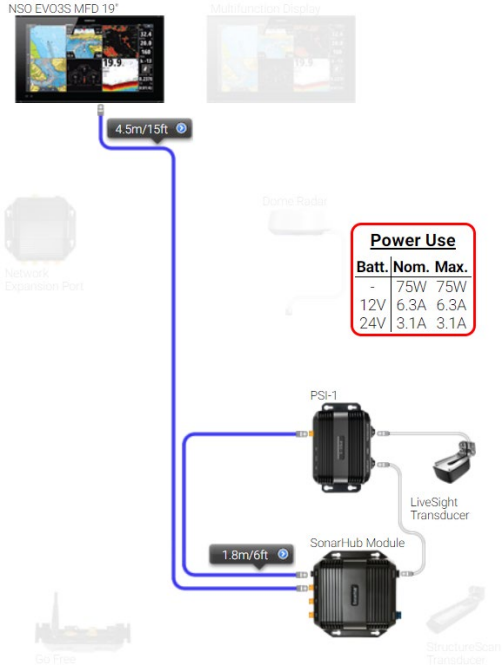


LiveSight transducer support: NSS evo3



Part Number	Description	Connection notes
000-14458-001	LiveSight transducer (bracket mounted)	Connects to the PSI-1 module
000-14899-001	PSI-1 Module	Connects to NSSevo3 Sonar port 2 and to an Ethernet port (or NEP-2 or other switch on the network)

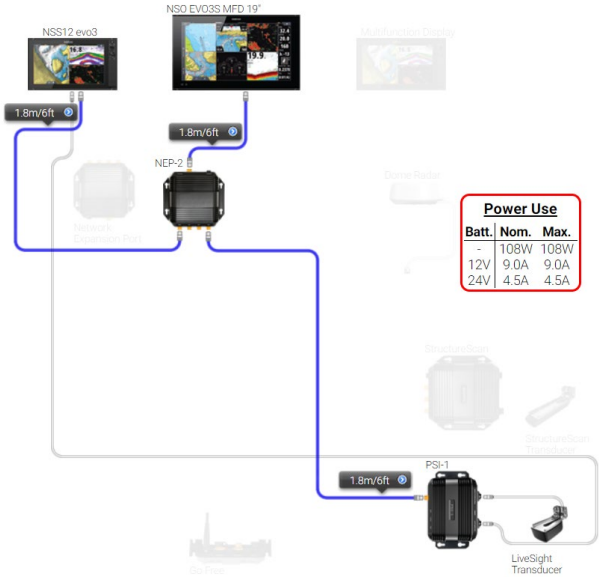
LiveSight transducer support: NSO evo3 (No NSS evo3 system)



For NSO evo3 only systems, the LiveSight system requires sonar module. In this case a SonarHub is being used. *(Make sure the SonarHub is using the latest software)*

Part Number	Description	Connection notes
000-14458-001	LiveSight transducer (bracket mounted)	Connects to the PSI-1 module
000-14899-001	PSI-1 Module	Connects to SonarHub sonar port and to an Ethernet port (or NSO evo3, NEP-2 or other switch on the network)

LiveSight transducer support: NSO evo3 (with NSS evo3 system)



For NSO evo3 only systems, the LiveSight system requires sonar module. In this case an NSS evo3 is being used

Part Number	Description	Connection notes
000-14458-001	LiveSight transducer (bracket mounted)	Connects to the PSI-1 module
000-14899-001	PSI-1 Module	Connects to SonarHub sonar port and to an Ethernet port (or NSO evo3, NEP-2 or other switch on the network)

Improvements and fixes

Fixes and improvements

- Fix for sonar not scrolling in shallow water
- Enhancements to system wide sonar performance. Note: Sonar modules will require the 20.0 firmware update
- S2009 & S2016 now able to choose 28 kHz frequency
- Fix for missing sea temperature on some transducers
- An alteration to the internal GPS following some reports from the field that the MFDs are creating too many track points when the source for position is an Internal GPS
- AIS own vessel icon not aligning to the AIS Vessel orientation setting under Settings > Vessels
- New MFDs made after January 2020 will no longer be able to install software that was released before the date of the units manufacture. The manufacture date located on the About screen called the “Factory software date stamp”
- If a Rhodan trolling motor is connected to the NMEA 2000 network, the trolling motor is supported and can be controlled from the MFD. For more information about this trolling motor, refer to Rhodan.
- General performance and stability enhancements

SIMRAD®