

FEATURE GUIDE: TECDIS 4.8.3.5

While the release of TECDIS 4.8.3.5 is primarily a maintenance release with fixes and improvements identified since the release of the previous version, there are also a couple of new features to be found. For a complete list of changes, see the release history on <https://telko.no>. Here you will also find Feature Guides for previous releases.

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TELCARE is our Software as a Service solution for TECDIS. With a subscription to TELCARE, you get access to all new software functions developed for TECDIS.



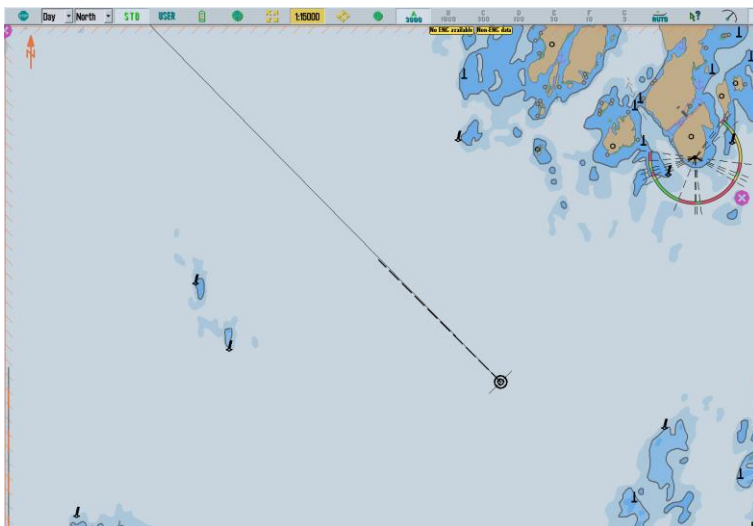
In TECDIS 4.8.3.3 and 4.8.3.4 we added great features such as TotalTide integration, Rendevous and drag'n'drop editing of route lane and turn radius, Curved EBL, Speed To Go (STG) Calculator and Improved route monitoring.

In TECDIS 4.8.3.5 we are adding a new option for extending own ships heading line to the edge of the chart display, and the route monitoring view introduced in the previous release is refined.

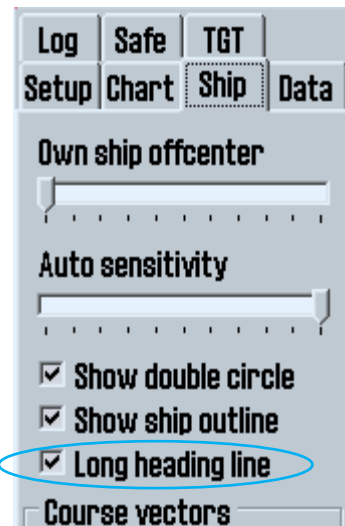
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New feature: Long heading line

We have now added a new option to the 'Ship' menu allowing for extension of own ship heading line to the edge of the chart display. When the option is not active, the heading line is shown as before.



Heading line extending to the edge of the chart

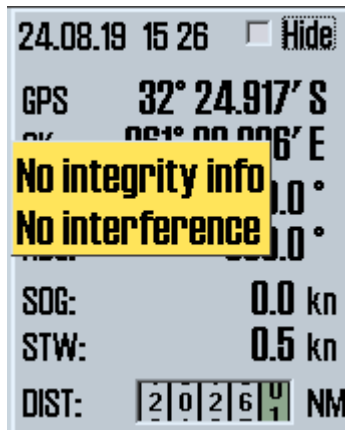


New option for long heading line in the 'Ship' menu

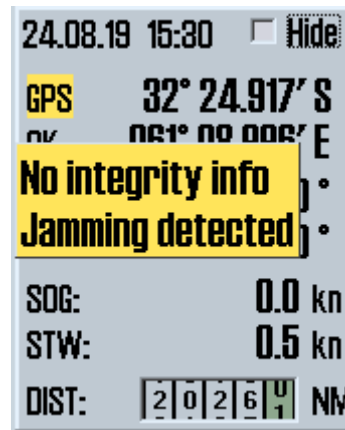
New feature: GNSS jamming and spoofing detection with Orolia M-SecureSync

When Orolia M-SecureSync hardware is present on board, it can now be integrated with TECDIS to provide GNSS jamming and spoofing information to the navigator.

The user interface is unobtrusive, providing information to the navigator when needed. Information regarding jamming and spoofing is available in the same place as other information related to the integrity of the position sensor information. The tooltip for the position sensor label provides this information, and the sensor label is highlighted yellow when issues are detected.

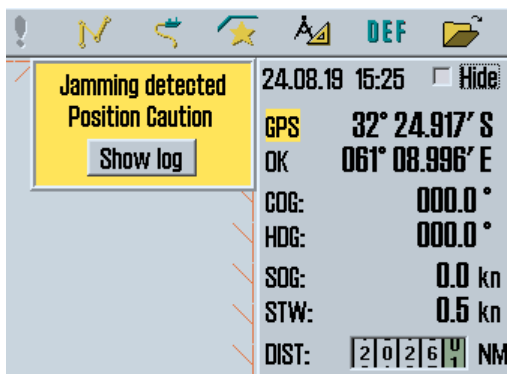


Normal situation, no GNSS jamming or spoofing is detected. Position sensor label tooltip shows 'No interference'.

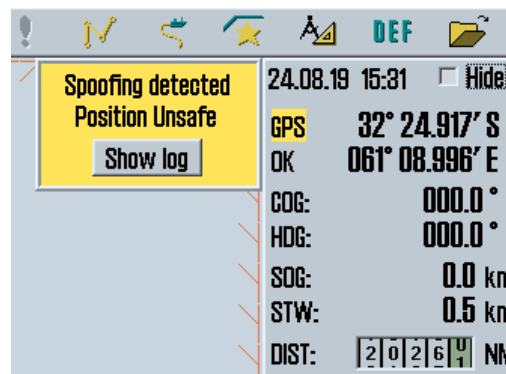


GNSS jamming detected, position sensor label is highlighted yellow and tooltip shows 'Jamming detected'.

Additionally, a notification panel is shown next to the sensor data alerting the navigator when jamming or spoofing is detected. This panel may also be displayed by the navigator by clicking the position sensor label.

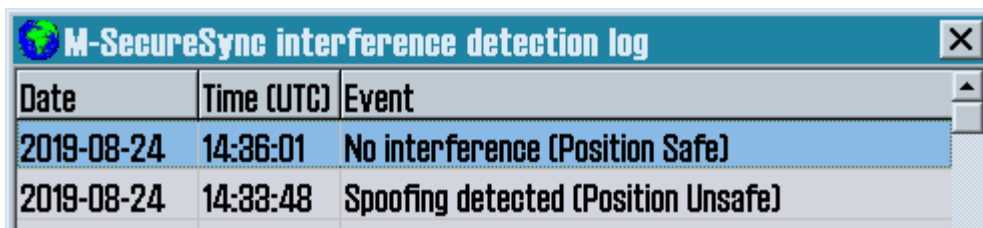


Notification showing that GNSS jamming is detected.



Notification showing that GNSS spoofing is detected.

The 'Show log' button brings up a log of recorded instances of GNSS jamming and spoofing.



Log of previous instances of detected GNSS jamming and spoofing.

Improvement: Dual-click chart loading for ChartWorld

Exchange sets provided by ChartWorld are now easier to load on TECDIS. Download the permit .zip files and the most recent s63.zip file provided by ChartWorld, place them in a folder and point TECDIS to this folder.

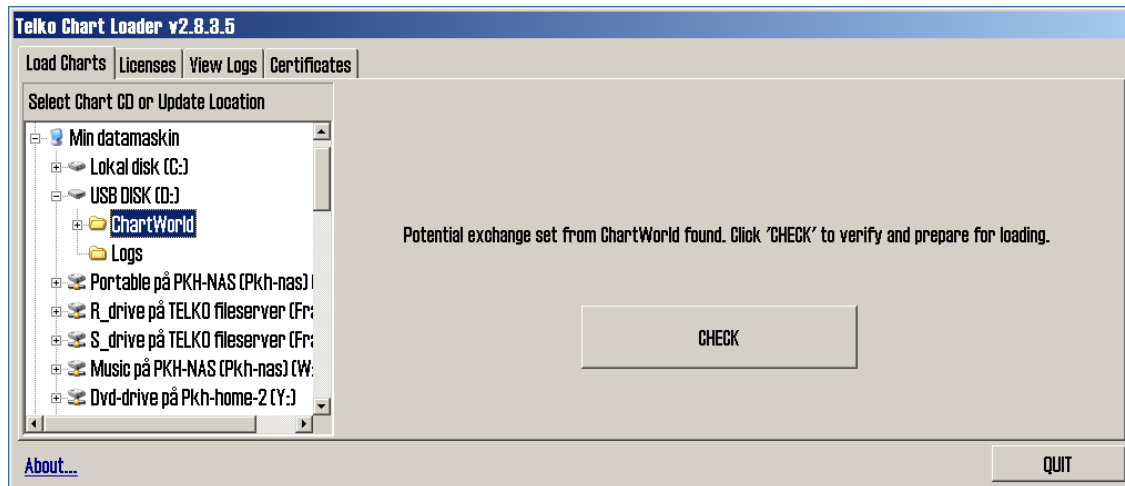


Chart loading pointed to a folder containing .zip files with permits and charts from ChartWorld.

Press the 'Check' button and wait while the files are prepared and verified. When complete, press 'Load Permits and Charts' to load the new permits and charts in a single operation.

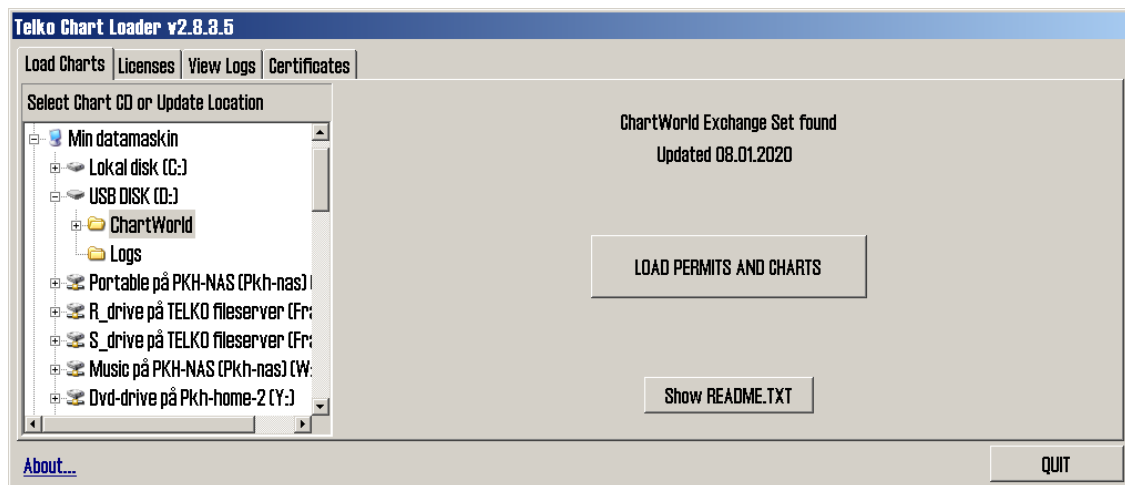
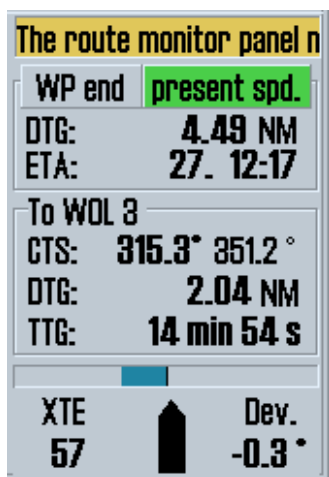


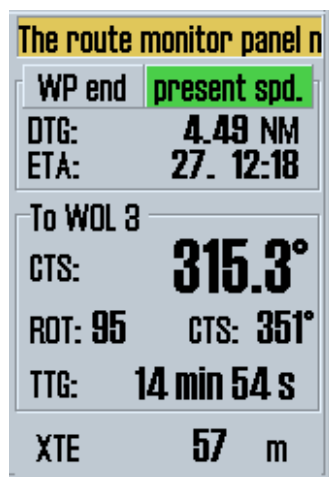
Chart loading after 'Check' has been pressed and verification is complete.

Improvement: Alternative view for Route monitoring improved

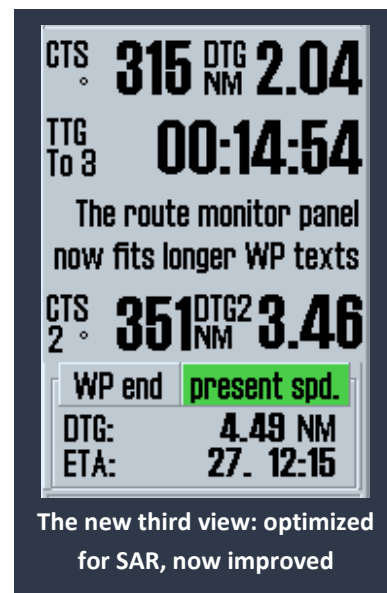
The third Route Monitoring layout added in TECDIS 4.8.3.4 has been improved further based on user feedback. The main advantage is that the waypoint information area now fits even more text than before.



The main route monitoring view



The second view
A zoomed in version of the first view



Note that when special SAR notation for night navigation using '<' or '>' in the waypoint text is used, the waypoint text display is now optimized specifically for this use.

Other fixes and improvements

TECDIS 4.8.3.5 also contains several other fixes and improvements.

- Performance and stability when operating continuously for very long periods**
 Several improvements have been made to TECDIS that improves performance and stability when TECDIS is left in continuous operation for very long time periods (longer than 1-2 months) without any restarts. These improvements especially benefit users making use of 'Head up' chart display and users operating continuously in inshore waters.
- Furuno radar overlay support extended**
 Integration with Furuno radars has been improved, allowing radar overlay to be configured with several newer Furuno radar models.
- TriNav seismic survey system integration extended**
 Integration with the TriNav seismic survey system has been extended to support newer capabilities of that system, such as preplots and active path.
- Improvement to Navtor NavStick and Navbox chart loading**
 Chart loading from Navtor NavStick and Navbox has been improved, resolving a rare issue where these chart sources were not properly identified.
- Fix for selecting individual past tracks for display**
 An issue has been fixed where individual past tracks selected for display were not displayed when track filtering was set to a period of less than 1 day.
- Fix for AIS updating when destination contains illegal characters**
 An issue has been fixed where AIS destination texts containing illegal characters (such as comma) were not properly handled.