

Kongsberg EA440



KONGSBERG

Software release note

Release 22.6

- Software version no.: 22.6
- WBT firmware version no.: 2.54
- Windows 10, 64-bit installation.

Improvements

- Added Kongsberg Maritime SSP data format for sound velocity on network
 - S00
 - S01
 - S10
- Screen video recording button in top bar
 - Output folder defined in the Output dialog
 - Records the main screen
 - File format is .mp4
- Top bar presentation of Diving depth
- Show Sound velocity in top bar in red, if invalid
- Temperature configuration update. Can now be configured either from the Installation dialog or from the Environmental dialog.
- Bug fixes

Known issues

No new known issues

Release 21.15

- Software version no.: 21.15
- WBT firmware version no.: 2.54
- Bing map provider removed.
- Requires Windows 10.
- This is a 64-bit installation.
- Updated EA440 reference manual, rev I

Improvements

- New map providers
 - OpenSeaMap
 - WGS84 map
 - Offline map import
- Changed colour of external sensor information when sensor is lost

- External sensor information pane available
- Numerical display available
- SEGY file generation improvements
- Improvements to spectrogram view
- Bug fixes related to
 - Sidescan installation parameters
 - Sidescan logging format now supports Sidescan Mosaic
 - Second layer
 - Depth information in raw data file
 - OpenStreetMap connection
 - Incorrect trig for generating new raw data files
 - Display of alongtrack slope
- New transducers
 - 200-8G depth transducer
 - 500-SSS sidescan transducer
 - M177 33|200 combi

Known issues

- When changing from FM to CW and then back to FM the settings will not be remembered

Release 20.1.2

- Software version no.: 20.1.2
- WBT firmware version no.: 2.52
- LFM Down support is removed
- This software version requires Windows 10.
- This is a 64-bit installation.

Improvements

- Bug fixes, including:
 - XTF output when heading is unchanged
 - Spectrogram view
 - Software license page
 - Restart of defined outputs
 - TrList

Known issues

- Writing SEGY files is resource demanding, and delays can be expected. Converting to SEGY in replay mode may be necessary.

Release 20.1

- Map view
- New transducers
 - Airmar 200-3G, 200 kHz
 - Airmar M198-38J, 38 kHz
 - Airmar M74-12J, 12 kHz
 - Reson TC2122 33|200 Combi, 33 and 200 kHz
 - Reson TC2003, 200 kHz
 - Reson 2024, 200 kHz

Improvements

- Impedance measurements to calibrate initial output effect
- New internal subscription system

Known issues

- XTF Output requires max 10 meters and 15 degrees angle difference between pings.
- Feature for auto adjustment of power related to range is unstable.
- In some instances, installation parameters may need to be re-established. A help message is displayed in message list.

Release 19.1.4

- WBT Firmware version 2.51
Includes WBT firmware with improved synchronization.

Improvements

- Fixed overflow bug for amplitude scaling and rounding error for voltage.

Release 19.1.3

- WBT Firmware version 2.41
Includes WBT firmware with improved synchronization.
- Default power values for High Power WBTs are reduced.

Improvements

- Added maximum meters to DPT output message
- Improved handling SBE marker output
- Discard non-fixed GGA and invalid SVP telegrams

Release 19.1

- KM binary
Support for KM binary sensor input with position and attitude data
- XYZ Output
Positions formatted as Decimal Degrees.
- Transducers
Added support for Airmar 24 and 38 kHz transducer

Improvements

- Improvements in signal processing chain
- Improved handling of older recorded files

Release 18.2

- Detect second bottom
In the Bottom Detection page in the **Information Pane Options** dialog box, you can now select to find the second bottom.
- Transducer Air200–7G
Added support for Airmar 7 degrees transducer
- Docking Views
You can now move all channels to separate screens and any custom organisation
- Auto Power
By selecting **Auto**, you automatically adjust the power according to the current range

Improvements

- Improved stability for the replay function
- General improvements in the sensor management system

Release 17.2

- Hydrophone
Hydrophones are added and can be installed under **Transducer Installation**.
- Spectrum Information pane
The spectrum information pane is added for hydrophone systems. High speed replay is not yet implemented for this view.

- Spectrogram echogram
A new echogram view for hydrophone systems.
- Sound Velocity Profile
You can now have the Sound Velocity Profile input over the network.
- Moving views
You can now move the different views and channels around the screen as you please.
- Along Track Slope information pane
A new information pane to see how the slope is changing.

Release 17.1

- **BITE**
The Built-in test equipment is now available in the **Setup** menu.
- New filters available
Low noise, low resolution, standard resolution and high resolution are available in the **Normal Operation** dialog box. We also have full resolution for 15 and 24 kHz transducers.
- GPT license
It is now possible to use the EA640 with a general purpose transceiver.
- External trigger
We now support external trigger signals to the WBTs auxiliary plug.
- TIFF
It is now possible to log processed data files as Tagged Image File Format.
- **Start Range**
It is now possible to select Auto for **Start Range**.
- Remote control
It is now possible to log processed data with remote control and the filename can be part of the output.

- High power WBT
We now support high power WBTs.
- CW
We now support variable frequency in CW mode.

Improvements

- Replay
On new replay files it is possible to see the transducer installation parameters. It is also possible to move the progress bar to a specific ping.
- Raw file
It is now possible to add NMEA depth to the .raw files.
- Simrad depth
It is now possible to add frequency, SVP and transducer depth, and to exclude motion from depth.

Release 16.3

- **User Level**
It is now possible to change the user level to Basic, to test the system without being able to change important settings.
- **Processed data Output** now includes the .out data format.
It's now possible to save processed data as an .out file.
- The previous **Parameter Logging** is now **Parameter Output**.
All parameters are now saved to file, no need to choose parameters.

Improvements

- Depth alarm is now disabled at default
- Number of serial ports possible increased to 24
It is now possible to have 24 serial ports. If you have more, the first 24 will be listed.
- Heading source priorities
The priorities are now correct.

- Bottom detection is disabled with sidescan

The default setting is now off for bottom detection when you are using sidescan transducers.

- **Pulse Duration** removed

Pulse Duration removed as a button on the main menu.

- Start range corrected

The first pings in the recorded data now show the real value, not 100 metres.

- Two decimals on depth tooltip

Tooltip for depth now shows two decimal places.

- XTF logging

Real time XTF logging is now corrected.