

Software release note

Simrad ME70 Scientific multibeam echo sounder

Software version

This document describes changes introduced with the following Simrad ME70 software version:

- ME70 SW 1.2.5.

New hardware configuration

The new software version is implemented for a single computer configuration. This means that the six Beamformer computers in the Transceiver Unit are no longer required.

An upgrade kit is available from Simrad. This kit includes a new ME70 Processor Unit, and a new Ethernet switch in the Transceiver Unit.

It is also necessary to add a second high speed Ethernet line between the Transceiver Unit and the new ME70 Processor Unit.

The reduced hardware complexity offers reduced hardware and software maintenance. This results in improved system stability and robustness.

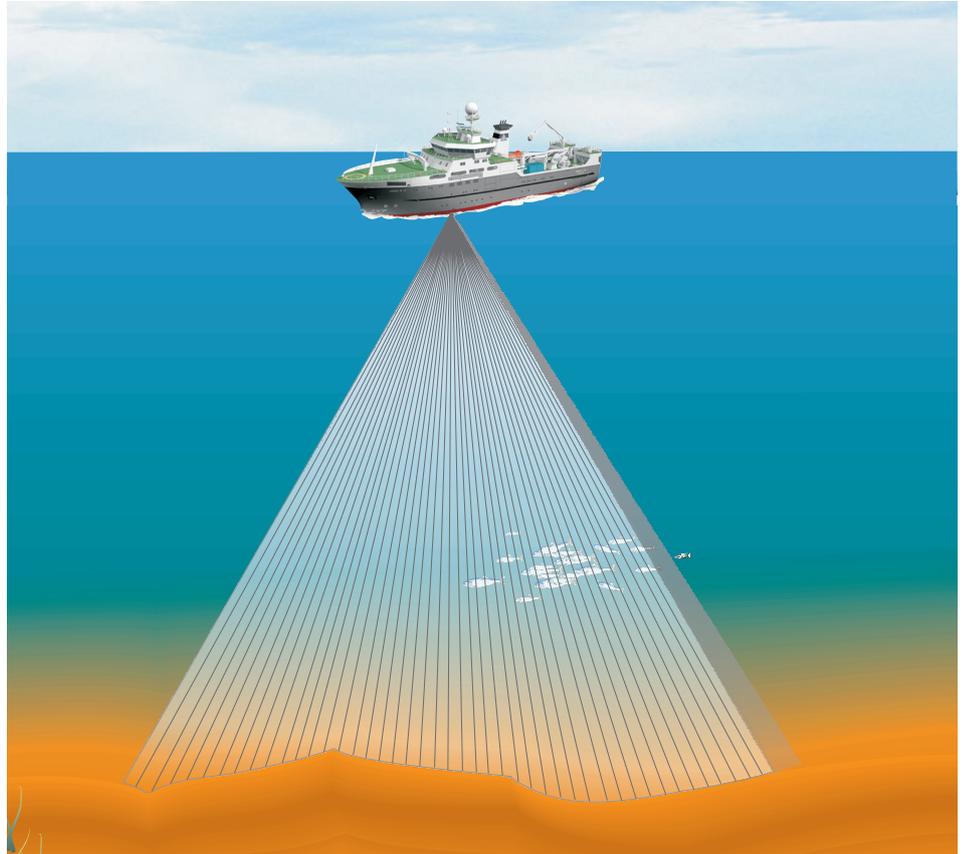
Software changes

Single computer configuration

The reduced system complexity offers reduced hardware and software maintenance. This results in improved system stability and robustness.

Windows 7 operating system supported

All new ME70 Processor Units will be provided with Windows 7 operating system. Old ME70 Operator Station computers (all types) communicating with the transceiver must be replaced. A new computer is included in the upgrade kit offered.



Improved beam model for steered beams

This improvement increases the accuracy of target strength measurements for off-axis targets for steered beams.

Improved nominal gain values

This improvement allows more accurate evaluation of uncalibrated beam modes.

Increased default number of Fourier coefficients in beamforming computations

This improvement increases the system performance for targets close to the bottom.

Increased absolute maximum range from 1000 m to 2000 m

This improvement allows you to work in deeper waters.

Improved message handling and documentation

The ME70 reference manual now offers a dedicated chapter with message descriptions.

Various improvements and bug fixes

Several minor bug fixes and improvements have been implemented as requested by end users, and detected during our own software testing.

Turn the page for more information.

Software availability

The operational software for the ME70 can be downloaded from the Simrad web site using the log-in credentials offered to the individual ME70 customers.

The software can also be ordered on a relevant media using the following part number:

ME70 Processor Unit SW: **308940**

Software installation instructions

Software installation has been improved by means of a “wizard”.

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