

Software release note

Simrad SH80 MMI SW 1.5.0

Introduction

This document describes the software and other changes introduced with MMI SW version **1.5.0**.

The Man-Machine Interface (MMI) software is the SH80 program that controls the menu system, operational modes, features and presentations.

The MMI software is installed on the Processor Unit.

Transceiver Unit firmware

The new MMI software version requires that the software in the Transceiver Unit is the latest. Unless this is the case, a circuit board in the Transceiver Unit must be replaced. This is explained in the software upgrade procedure.

Changes

Software changes

The following changes have been implemented.

- New transmission pulse form **PSK** (Phase Shift Keying)
- Finer adjustment of the **RCG** (Reverberation Controlled Gain) setting.
- General performance improvements
- Bug fixes

About PSK

In the PSK mode, the transmitter pulse changes phase several times during the 10,4 milliseconds transmission pulse. This phase shift provides a high resolution presentation with retention of the energy of the total pulse length. The frequency of the pulse is constant, and equal to the selected frequency (if optional multiple frequencies are installed).

About RCG

Reverberation Controlled Gain (RCG) regulates the receiver gain individually for each of the 64 receiving beams. You can now choose from ten different settings (including OFF). Setting 7 corresponds to previous setting Weak, while settings 8 and 9 correspond to previous settings Medium and Strong respectively.

Other changes

Version E of the SH80 reference manual, operator manual and online help are released to describe the new software and functions in detail.

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Do I need the new software?

The new release is considered to be very important, and we recommend that all users update their software.

To check your current software version, go to the **Setup** menu, and click **Test** to open the **System test** menu. Then, click **About** to investigate the current software version.

If the **About** dialogue does not show version 1.5.0, your software should be upgraded.

If I do not wish to upgrade?

Nothing happens if you do not wish to upgrade, but you will not be able to use the latest features provided for the SH80 sonar.

How do I perform the update?

End users are not permitted to perform this software update. To carry out the upgrade procedure, you must contact your local dealer for advice.

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