KONGSBERG

Simrad SX90
Fish-finding sonar
Software Release Note
Release 23.9.2

This document describes the changes introduced with the new software version.

- **Product**: SX90
- **Software version**: 23.9.2
- **Upgrade from version**: 23.9.1

This software controls all functionality in the SX90 system. This includes transmission and reception, interfaces with external peripherals and sensors, and all user interface.

A firmware update for the Transceiver Unit is not included with this release.

Additional end-user documents related to the SX90 system can be found on our website. This includes publications that are translated into other languages. Selected publications are also provided in IETM (*Interactive Electronic Technical Manual*) formats.

- https://www.kongsberg.com/sx90

SIMRAD
By KONGSBERG

Document information

- **Product**: Simrad SX90
- **Document**: Software Release Note
- **Document part number**: 316866
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Warning

The equipment to which this manual applies must only be used for the purpose for which it was designed. Improper use or maintenance may cause damage to the equipment and/or injury to personnel. You must be familiar with the contents of the appropriate manuals before attempting to operate or work on the equipment.

Kongsberg Discovery disclaims any responsibility for damage or injury caused by improper installation, use or maintenance of the equipment.

Disclaimer

Kongsberg Discovery AS endeavours to ensure that all information in this document is correct and fairly stated, but does not accept liability for any errors or omissions.

Support information

If you require maintenance or repair, contact your local dealer. You can also contact us using the following address: simrad.support@simrad.com. If you need information about our other products, visit https://www.kongsberg.com/simrad. On this website you will also find a list of our dealers and distributors.

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Software changes

This is a bugfix release.

The improvements we made in the previous software version had an unintended effect when using low bandwidth with FM/Auto or CW pulses. In short, the schools looked weaker than they were. Using a higher bandwidth, like 1 kHz, works well. 23.9.2 has a fix so that low bandwidth and CW give the same result as before while keeping the improvements. New functionality is *not* introduced with this release.

Do I need to upgrade?

This release does not offer any new functionality to your SX90 system. However, the release may still be useful to you, as a known software bug has been corrected.

We recommend that all users update their software.

Software licenses

The Simrad SX90 is not a licensed product.

The SX90 system does not need any software licenses to operate. However, specific software license codes "unlocks" additional functionality.

The software license is a 32 character hexadecimal string based on the hardware identifier (**Hardware ID**). This unique identifier is generated using information from key components in the Processor Unit. The software license is linked to the physical Processor Unit. You cannot move the SX90 system software from one Processor Unit to another unless you also request and install a new license.

In order to obtain a software license you must contact one of our dealers or distributors. You can also use the request form on our website, or contact our support department directly.

Software installation

When a new software version is released for the SX90 system it must be installed on your Processor Unit. Contact your local dealer, or a Simrad distributor, to have the new software version installed.

Note

You must remove the old version of the software before you install the new version.

A dedicated wizard is used to install the software. Installation of additional operating system components may be required. These are installed automatically. Observe the information offered in the wizard.

Registered dealers and distributors can download the new software version from our website.

Topics

Removing the operating software

Before you can install the new software version, you must remove the old version.

Prerequisites

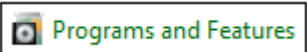The following items may be useful:

- Computer mouse
- Computer keyboard

Neither tools nor instruments are required. This procedure is made for the Microsoft® Windows® 10 operating system. It is assumed that you are familiar with this operating system.

Context

Removal of the software is done using functionality provided by the operating system.

Procedure

1   Turn on the Processor Unit.

2   Select **Power off** to turn off the system.

3   In the **Power Off** dialog box, select **Exit to Operating System** to close the
SX90 program.

4   If applicable: Connect the keyboard and the mouse to USB sockets on
the Processor Unit.

5   Uninstall the application.

a   If applicable: Open the on-screen keyboard.

b   In the bottom left corner of your desktop, select the looking glass to start
a search.

c   Type `Control Panel` to locate the application, then open it.

d   Select **Programs and Features**.

e   On the list provided, locate the software you shall uninstall.

f   Select it, then select **Uninstall**.

g   Observe the **Remove existing settings** dialog box.

h   <u>Do not</u> select any check boxes!

i   Select **Uninstall** in the dialog box to remove the software.

j   Follow the instructions provided by the wizard.

6   Click the [**X**] in the top right corner to close the Control Panel.

7   If applicable: Disconnect the keyboard and the mouse from the Processor Unit.

Installing a new version of the operating software

A dedicated wizard is used to install the software. The operating software for the SX90
system must be downloaded on a separate computer.

Prerequisites

The following specific items are required for this task:

- Personal computer
- USB flash drive
- Computer mouse (Optional)
- Computer keyboard (Optional)

Neither tools nor instruments are required. This procedure is made for the Microsoft®
Windows® 10 operating system. It is assumed that you are familiar with this operating
system.

Procedure

1   On the personal computer:

    a   Download the new software version.

    b   Unpack the ZIP file to access the executable application file.

    c   Copy the application file to a USB flash drive.

2   Turn on the Processor Unit.

3   Make the following preparations.

    a   If applicable: Connect the keyboard and the mouse to USB sockets on the
        Processor Unit.

    b   Insert the USB flash drive.

4   Install the new version of the application.

    a   From the Windows® **Start** button, right-click to open File Explorer.

    b   Locate the executable setup file (`.exe`).

    c   Copy the file to a temporary folder on the "D" drive.

    d   Double-click the setup executable file to start the installation.

    e   Select the check box to accept the license terms and conditions.

    f   Select **Install**.

    g   Follow the instructions provided by the wizard.

        We recommend that you install the software in the default folder suggested
        by the wizard.

    h   Close File Explorer.

    i   Remove the USB flash drive.

5   On the Processor Unit desktop, double-click the SX90 icon to start the program.

6   If applicable: Disconnect the keyboard and the mouse from the Processor Unit.

End-user documentation

The end user documentation and online help for the SX90 system is not updated with the latest software release.

The SX90 *Reference Manual* is included with the SX90 software as context sensitive on-line help.

Additional end-user documents related to the SX90 system can be found on our website. This includes publications that are translated into other languages. Selected publications are also provided in IETM (*Interactive Electronic Technical Manual*) formats.

• https://www.kongsberg.com/sx90

Minimum display requirements

Unless specifically ordered, the SX90 system is not provided with a display. The display must then be purchased locally.

You can use more than one display on your Processor Unit depending on personal and/or operational preferences.

Note

Make sure that the chosen display meets the requirements for the SX90 system. The design and construction must allow for marine use, and the display must be able to withstand the movements and vibrations normally experienced on a vessel. Verify that you have easy access to cables and connectors, and that the display can be installed in a safe and secure way.

The minimum technical requirements for the display are:

Resolution

Minimum requirement: 1280 x 1024 pixels

The visual quality of the presentation depends on the quality of your graphic adapter and display. We recommend that you use a large display with resolution 1920 x 1080 or 1920 x 1200.

Video interface

The video interface must match the output format(s) provided by the Processor Unit. The Processor Unit may offer video output on several formats. Investigate your options before you purchase a display.

Physical screen size

The screen size depends on personal and/or operational preferences. We recommend that you use 24 inch or bigger diagonal screen size. The SX90 software supports 16:9 and 16:10 displays.

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