



Super-Analogue™ Outboard

V1.2/4 Software Update and Install Notes
Applicable to upgrades from V1.2/n, V1.1/0 or V1.0/0
Note - Do not upgrade systems running 1.2/3

Check List

Please check that your have the following items:

- | | | |
|---|---|------------------|
| 1 | V1.2/4 Update Notes | (This document) |
| 1 | X-Rack Flash update (<i>download from website</i>) | xrack_flash.jar |
| 1 | X-Rack V1.2/4 Software (<i>download from website</i>) | xrack_v1_2_4.jar |

This document contains essential information – please read it carefully before making any attempt to upgrade the X-Rack unit

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E&OE

Introduction

This document describes the changes incorporated in V1.2/4 software, and details the software installation procedure required to update your X-Rack unit to this latest release of software.

Note that this release is only applicable to X-Rack units fitted with XR-622 and XR-623 Line Return and Monitor modules. Clients without these modules need not carry out this update. Do not upgrade units running V1.2/3.

Operational changes are detailed in the Owners Manual which should have been included with your modules. The latest version can be downloaded from the SSL website (<http://www.solid-state-logic.com/plus/manuals.html>).

V1.2/4 is substantially larger than V1.0 and V1.1 and requires an update to the software installer to be carried out prior to updating. This means that two updates must be carried out – one using the xrack_flash.jar file and a second using xrack_v1_2_3.jar. Note that if you are upgrading from V1.2/0 then you only need to carry out the second stage as the flash software will already have been updated. See below for details.

If you have any questions about this release, please contact your local SSL office or distributor.

Bug Fixes – V1.0/0 and V1.1/0 to V1.2/1

There are no bug fixes as such in this release although the following issue, specific to implementing this release, has been resolved:

- MIDI software updater could only deal with files smaller than 16kBytes.
- Support added for XR-622 and XR-623 modules.

Bug Fixes – V1.2/0 to V1.2/1

- MIDI SysEx saves failed to restore.
- The AWS 900 and AWS 900+ Total Recall interface failed to download TR setups correctly if more than one X-Rack was connected.
- Sending a MIDI controller message to the XR-622 monitor controller module while displaying a Total Recall setup could leave the SEL LED permanently illuminated.

Bug Fixes – V1.2/1 to V1.2/3

- Scanning of rotary controls slowed down to prevent LEDs flickering on XR-623 Line Input module flickering.
- The main D-Pot control no longer counts in the wrong direction when turned quickly.

Bug Fixes – V1.2/3 to V1.2/4

- MIDI updater now works correctly (a problem with V1.2/3 only).
- The REmote option is now initialised automatically to OFF and does not have to be set manually.

Software Download and Installation

Software to upgrade your X-Rack unit should be downloaded from the SSL website (<http://www.solid-state-logic.com/plus/utilities.html>). To access this page will you will need to be registered with us and logged into the website.

The X-Rack software is packaged as a 50kB (approximately) zip file (xrack_v1_2_4.zip) which contains this document and two Java archive files, the format of which is compatible with both PC and Macintosh (PowerPC and Intel but OS X only) platforms. *Some users may need to install additional files on their computer before continuing – see **System Requirements** overleaf.*

System Requirements

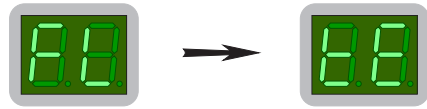
PC users should ensure that they have the latest version of Java installed. This can be downloaded from <http://www.java.com>. There is a link to this address on the download page.

To enable Java to access external MIDI devices, Mac OS X users may need to download and install either 'Plumstone' (PowerPC) or 'MandolaneMIDI' (Intel) from <http://www.mandolane.co.uk>. Drag this file into the '/Library/Java/Extensions' folder then restart the Macintosh before running the upgrade utility.

Software Update

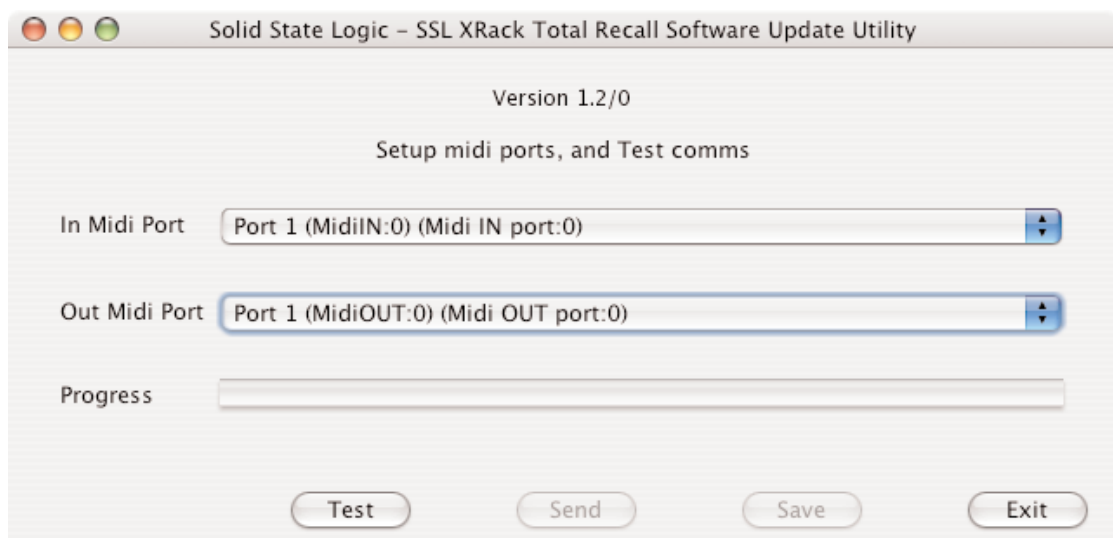
Once the software package has been downloaded, it will need to be moved onto a Mac or PC that is connected to the X-Rack via MIDI after which you will be ready to install the new software. The following steps detail this process:

1. Ensure that the X-Rack is turned on and connected to a MIDI port on your PC/Mac.
2. Enter Setup mode and turn the D-Pot until the display shows 'FL' ('Flash').
Press the D-Pot and the display should change to read 'tE' ('Test').

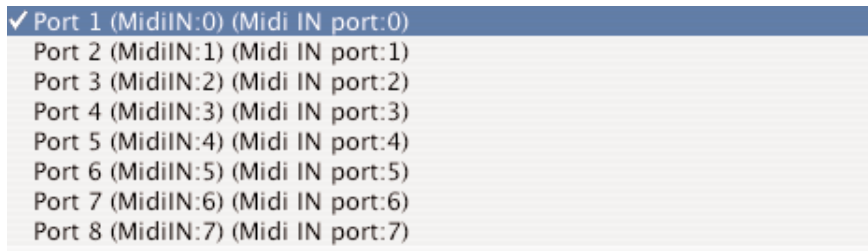


To exit from this mode without updating software turn the unit off and on.

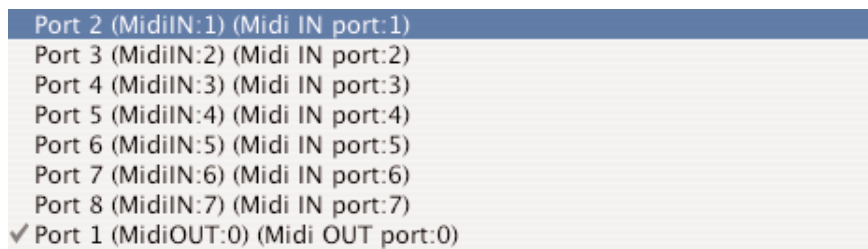
3. Close all current applications on your PC/Mac.
4. If upgrading from V1.0/0 or V1.1/0 double click on the xrack_flash.jar file. If upgrading from V1.2/n double click on the xrack_v1_2_4.jar file. You should see the SSL X-Rack Software Update window appear:



- Go to the In MIDI Port menu. Select the MIDI IN port which is connected to your X-Rack from the drop down list. In the example shown below this was 'port 1' on an 8-Port interface. If nothing appears in the list check that you have installed the files listed in the **System Requirements** section overleaf.

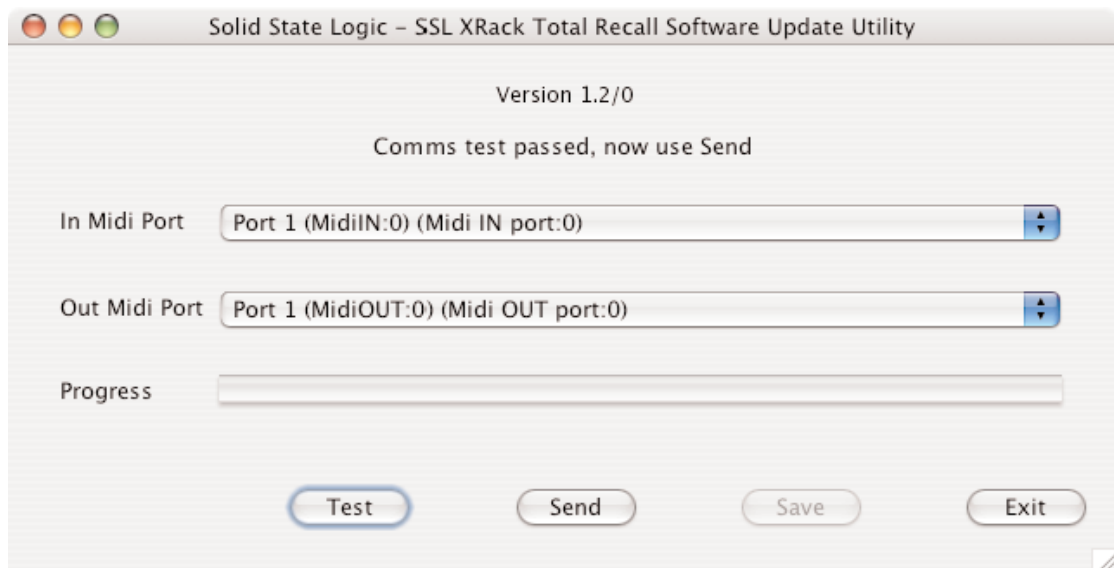


- Go to the Out MIDI Port menu. Select the MIDI OUT port which is connected to your X-Rack:



Note that a Macintosh running OS X V10.3 or earlier will show all MIDI Inputs at the top of the list, MIDI Outputs at the bottom. You must scroll to the middle of the list to see the MIDI Out ports.

- Click on the **Test** button. This transmits a packet of data to the X-Rack which should return an acknowledgment to the computer. If the test was successful the message '**Comms test passed, now use send**' will be displayed and the display on the X-Rack should change to read '5E'.



If the test fails check that the correct MIDI port has been selected and that the X-Rack is in software download mode, then repeat the test.

- Once you have established a valid connection click on the **Send** button. The new code will now be transferred to memory on the X-Rack. This process will take approximately 20 seconds. A progress bar and transfer counter will be displayed on screen to enable you to observe the transfer progress and the X-Rack displays will show a rotating segment.

Note. During this time it is important that power to the X-Rack is not interrupted.

9. Once the software has been saved the X-Rack will re-boot. If you ran the xrack_v1_2_4.jar updater go to step 10. If you ran the xrack_flash.jar updater the X-Rack will automatically switch to programming mode. Double click on the xrack_v1_2_4.jar file and repeat steps 5 through 8.
10. Once the V1.2/4 software has been saved a message will appear '**Software update completed**' and the X-Rack will re-boot using the new software. Click on '**Exit**' to close the Update Utility.

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