

Updating

With the firmware update package comes a version history file. Within this file there is a list of the corresponding software versions.

To prevent incompatibility issues it might be necessary to update not only the base unit, but also the remote panel and the SDI interface board.

Furthermore, an update of the Junger Application Manager (J*AM) or Loudness Logger program (Windows GUI) might be necessary.

All these files can be downloaded from the Junger Website (www.junger-audio.com).

Updating the firmware is a delicate process - please be careful.

Under NO circumstances should the power supply be unplugged or switched off during the updating process.

Updating the M*AP Base Unit

The base unit firmware image needs to be uploaded to the device using this dialog:

The screenshot shows the Jünger M*AP Monitoring Audio Processor web interface. The top navigation bar includes tabs for SYSTEM, INTERFACES, ROUTING, DOLBY PROCESSING, AUDIO PROCESSOR, and EVENTS. The SYSTEM tab is active, showing a 'Software Update' section. In this section, the 'Firmware File' field and the 'Durchsuchen...' button are circled in red. Below this, there is a 'start update' button. The interface also displays system information such as 'Firmware Image: dev_map_1_0_x_15481', 'DSP: 1.15049', 'FPGA: 49', and 'Atmel: 21'. A warning message states: 'The update process of the controller image will interrupt the audio processing and signal routing.' A 'Procedure' section provides instructions on how to perform the update.

Note: The web interface is optimized for the Mozilla Firefox browser (www.mozilla.org). Other browsers may work as well but some functionality might not be available. For the metering to work it is necessary to have Java installed (www.java.com).

Updating the SDI interface board

The SDI firmware image needs to be uploaded to the device using the following dialog:

The screenshot displays the M*AP Monitoring Audio Processor web interface. At the top, there are two level meters: 'PEAK IN/OUT' and 'LIMITER'. Below them is a navigation bar with tabs for SYSTEM, INTERFACES, ROUTING, DOLBY PROCESSING, AUDIO PROCESSOR, and EVENTS. The 'SYSTEM' tab is active, showing 'System Status' with a green indicator.

The main content area is divided into two columns. The left column, titled 'System / Controller', shows the following information:

Firmware Image	dev_map_1_0_x_15481
DSP	1.15049
FPGA	49
Atmel	21

Below this table is a 'Firmware File' section with a text input field and a 'Durchsuchen...' button. A 'start update' button is located at the bottom of this section. A warning message states: 'The update process of the controller image will interrupt the audio processing and signal routing.'

The right column, titled 'Interface 1 SDI I/O', shows the 'SDI' interface. A red circle highlights the 'Firmware File' section, which includes a text input field, a 'Durchsuchen...' button, and a 'start update' button. A red arrow points from the text 'current version' to the '48' value displayed next to the 'SDI' label.

Below the 'Interface 1' section is a 'Dolby Decoder' section with the following information:

CAT552	2.1.2.7
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At the bottom of the interface is a 'Procedure' section with the following text:

Choose a firmware image file, then press the [start update] button to perform the update operation. First of all the image file will be transferred from the PC. Afterwards the process of programming will start. A progress bar indicates the level of completion. Do not interrupt power while updating!

Updating the X*AP Remote Panel

Identifying the firmware version of the X*AP remote panel:

Press <MENU>



Press <NEXT PAGE>

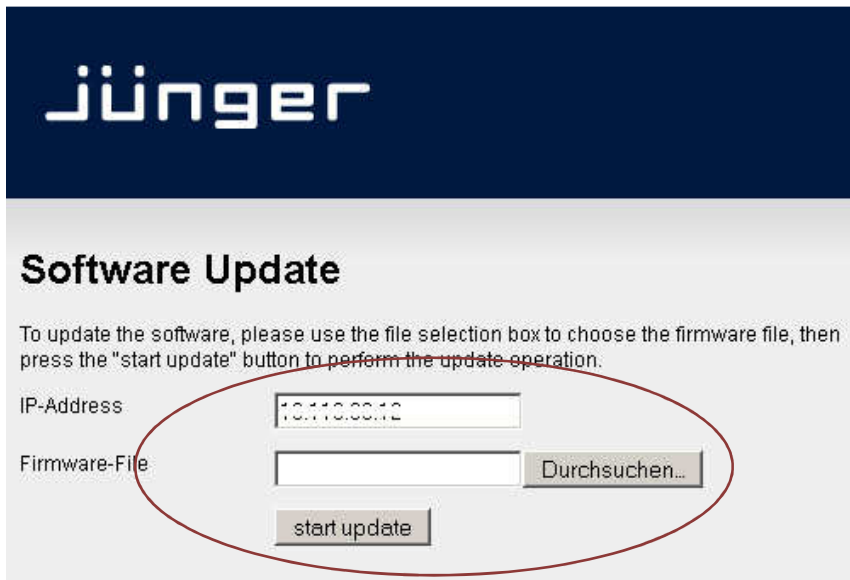


The firmware version in this case is 15149P.



Before updating the remote panel firmware it is necessary to cycle the power of the device. This can be done by switching the whole M*AP on and off, including the connected remote panel or by interrupting only the Ethernet connection to the remote panel.

The new firmware image can be loaded via the remote panel's web interface:



The screenshot shows the 'Software Update' section of the Jünger web interface. It features a dark blue header with the 'jünger' logo. Below the header, the title 'Software Update' is displayed. A paragraph of instructions reads: 'To update the software, please use the file selection box to choose the firmware file, then press the "start update" button to perform the update operation.' The form contains two input fields: 'IP-Address' with the value '192.168.0.12' and 'Firmware-File' which is empty. To the right of the 'Firmware-File' field is a 'Durchsuchen...' button. Below the 'Firmware-File' field is a 'start update' button. A red oval highlights the 'Firmware-File' field, the 'Durchsuchen...' button, and the 'start update' button.

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Software Update

To update the software, please use the file selection box to choose the firmware file, then press the "start update" button to perform the update operation.

IP-Address

Firmware-File