

## 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](http://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 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 menu with tabs for SYSTEM, INTERFACES, ROUTING, DOLBY PROCESSING, AUDIO PROCESSOR, and EVENTS. Under the SYSTEM tab, there are sub-tabs: Overview, Admin, Setup, SHMP, Backup / Restore, Software Update, and Reboot. The 'Software Update' sub-tab is active.

The main content area is divided into three sections:

- System / Controller:** Shows firmware details: Firmware Image (dev\_map\_1\_0\_x\_15481), DSP (1.15049), FPGA (49), and Atmel (21). The 'Firmware File' field is highlighted with a red circle, with a 'Durchsuchen...' button next to it. Below this is a warning: 'The update process of the controller image will interrupt the audio processing and signal routing.' and a 'start update' button.
- Interface 1 (SDI I/O):** Shows SDI (48) and a 'Firmware File' field with a 'Durchsuchen...' button and a 'start update' button.
- Dolby Decoder:** Shows CAT552 (2.1.2.7).

At the bottom, there 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!

Note: The web interface is optimized for the Mozilla Firefox browser ([www.mozilla.org](http://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](http://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 menu with tabs for SYSTEM, INTERFACES, ROUTING, DOLBY PROCESSING, AUDIO PROCESSOR, and EVENTS. The 'SYSTEM' tab is active, and the 'Software Update' sub-tab is selected. The main content area is divided into three sections:

- System / Controller:** Shows firmware image 'dev\_map\_1\_0\_x\_15481', DSP '1.15049', FPGA '49', and Atmel '21'. It includes a 'Firmware File' input field with a 'Durchsuchen...' button and a 'start update' button. A warning states: 'The update process of the controller image will interrupt the audio processing and signal routing.'
- Interface 1 SDI I/O:** Shows 'SDI' with a circled '48' and a red arrow pointing to it with the text 'current version'. Below is a 'Firmware File' input field with a 'Durchsuchen...' button and a 'start update' button.
- Dolby Decoder:** Shows 'CAT552' and '2.1.2.7'.

A 'Procedure' section at the bottom provides instructions: '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:

**jünger**

## 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