

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 T*AP Base Unit

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

The screenshot shows the Jünger T*AP web interface. At the top, there are three meters: PEAK IN/OUT, GAIN, and LIMITER. Below these are tabs for SYSTEM, INTERFACES, ROUTING, DOLBY PROCESSING, AUDIO PROCESSOR, and EVENTS. The 'SYSTEM' tab is selected, and within it, the 'Software Update' sub-tab is active. The 'System / Controller' section displays the following information:

System / Controller	
Firmware Image	dev_tap_3_0_x_15088
DSP	305.15056
FPGA	48
Atmel	21

Below this table is the 'Firmware File' section, which includes a text input field and a 'Durchsuchen...' button. This section is circled in red. Below the input field is a 'start update' button. A warning message states: 'The update process of the controller image will interrupt the audio processing and signal routing.' Below this is another 'start update' button. A 'Procedure' section 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!'

To the right of the 'System / Controller' section is the 'Interface 1' section, which shows 'SDI I/O' settings. Below this are the 'Dolby Encoder' and 'Dolby Decoder' sections, which show version information for CAT561 and CAT552 respectively.

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).

Note on Dolby encoders and decoders :

Due to a special hardware condition of the Dolby D, D+ and E encoders, as well as the Dolby Decoders it can become necessary to power cycle the unit after performing the update of the "System / Controller". Please check whether all your Dolby option boards appear in the Web GUI. If not, power down the unit, wait for 3 seconds and power it up again.

Updating the SDI interface board

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

The screenshot displays the Jünger T*AP web interface. At the top, there are three meters: PEAK IN/OUT, GAIN, and LIMITER. Below these are tabs for SYSTEM, INTERFACES, ROUTING, DOLBY PROCESSING, AUDIO PROCESSOR, and EVENTS. The main content area is divided into several sections:

- System / Controller:** Shows firmware image details (dev_tap_3_0_x_15088), DSP (305.15056), FPGA (48), and Atmel (21). It includes a 'Firmware File' input field with a 'Durchsuchen...' button and a 'start update' button.
- Interface 1 (SDI I/O):** Shows the SDI version '00' and a 'Firmware File' input field with a 'Durchsuchen...' button. A red circle highlights the 'start update' button, and a red arrow points to it with the text 'current version'.
- Dolby Encoder:** Shows CAT561 and 2.0.0.0.
- Dolby Decoder:** Shows CAT552.

A 'Procedure' section at the bottom provides instructions for the update process:

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 T*AP or X*AP Remote Panel

Identifying the firmware version of the T*AP or 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 T*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