

AJA IP25-R v2.0 - Release Notes

Firmware for IP25-R

Introduction

AJA IP25-R v2.0 delivers many exciting new features including the all-new Tx (Transmit) Mode

Be sure to consult the Installation and Operation Guide (user manual) for detailed information about features and configuration guidelines. The most current documentation can always be found on the [IP25-R Support page](#).

Updates and Improvements in v2.0

- Bidirectional signal options with the new Tx Mode in addition to the Rx Mode
- Rx ST 2110-20 signals increase from 4 to 6 channels
- Up to 4 ST 2110-30 audio streams per video
- SMPTE ST 2110 test signals transmission
- PCAP capture for Wireshark
- Control and UI Improvements

Known Issues and Limitations v2.0

- No ST2110-40 Tx ancillary data.
- When switching network between non-FEC and FEC modes, a reboot of the unit may be required.
- Rx mode: if the input is oversubscribed, PTP and SDP may be lost. If lost, the media port needs to be reset.
- Tx mode: All ST 2110 Tx must be in the same frame rate family, e.g. NTSC Fractional, NTSC Integer, PAL.

Initial Setup, Control and Updating Firmware

There are two methods available for initial setup and updating firmware for IP25-R:

- Web Browser on computer connected to the same network as the IP25-R.
- AJA eMini-Setup application running on a computer directly connected to IP25-R via USB-C.

Following a firmware update, it is recommended to refresh the browser cache.

- Windows select: Ctrl+F5
- macOS select: Cmd+Shift+R

Web Browser UI – Configuration, Control and Updates

Note: Safari is the preferred web browser for control on macOS. Chrome and Firefox are the preferred web browsers on Windows. Other web browsers may work, but AJA cannot guarantee consistent operation for all web browsers.

IP25-R requires a network connection for initial configuration, control, and firmware updates. The IP25-R is shipped from the factory with DHCP (Dynamic Host Configuration Protocol) enabled and supports automatic network discovery via SSDP (Simple Service Discovery Protocol) and mDNS (Multicast Domain Name System). If no DHCP server is available, e-Mini-Setup must be utilized to program the Network Interfaces.

1. Connect the IP25-R Control Port to the intended network with Ethernet cable.
2. The intended network's DHCP Server will assign an IP address, and the IP25-R Mini-Converter will join that network.
3. Locate and connect to the AJA IP25-R Mini-Converter.

Windows host:

- a. Open Windows Explorer.
- b. Navigate to Network.
- c. Click on Network to enumerate network devices.
- d. Search for either "IP25-R" or the device's Serial Number.
- e. Double click on the intended IP Mini-Converter.
- f. The host machine web browser will launch and display the web GUI for the device.

Mac host:

- a. Go to System Preferences > Sharing and turn on File Sharing.
- b. Open Finder Window.
- c. Navigate to Shared > All...
- d. Click on All... to enumerate network devices.
- e. Search for either "IP25-R" or the device's Serial Number.
- f. Double click on the intended IP Mini-Converter.
- g. The host machine web browser will launch and display the web GUI for the device.
- h. If the above does not work, then you will need to download and install an mDNS browser to assist with discovering network devices on a Mac host.

4. Leaving the IP Mini-Converter browser tab open, open a new browser tab and check the AJA website for new firmware:

<https://www.aja.com/products/mini-converters/IP25-R#support>

5. If new software is found, download it and uncompress the file archive (.zip) to a network location accessible to the IP Mini-Converter.
6. Return to the IP Mini-Converter browser tab and proceed to the Firmware Page.

7. Adjacent to “Upload New Firmware” use the “Choose File” button to locate previously unzipped firmware package (.ajas extension).
8. Follow the prompts to load the new firmware into your unit.
9. After the update, the AJA device must be rebooted by clicking on the Restart button in the prompt window.

Technical Support

AJA Technical Support is free and available to help you answer questions or resolve issues with any of your AJA products.

To contact AJA Technical Support:

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