AJA KUMO Release Notes - v4.7.1

Firmware for AJA KUMO Compact SDI Routers

Introduction
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KUMO firmware v4.7.1 is a maintenance release. It is highly recommended that you update firmware to avoid any potential issues.

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 KUMO Support page.

Products Supported in This Release
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KUMO 1604	KUMO 3232	KUMO 1616-12G	KUMO 6464-12G	KUMO CP
KUMO 1616	KUMO 6464	KUMO 3232-12G		KUMO CP2

Fixes, Changes and Improvements in v4.7.1
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KUMO Routers and Control Panels

- Fixes issue with the Web UI when 25 destinations are hidden that causes the Web UI to lock up.
- Updates and clarifies KUMO's GVG Native Protocol implementation:
  - Source and Destination button names defined in the KUMO Web UI must be 8 characters or less. These 8 character names are used by KUMO's Native Protocol server.
    - Button names of more than 8 characters are truncated by KUMO's Native Protocol server.
  - If the first 8 characters of a source or destination button name match, this is considered a duplicate and KUMO will recognize only the first in the source or destination list and ignore commands related to the next.
    - The reply string for any duplicate name is an empty string, "" and no error messages are generated by KUMO's Native Protocol server.
  - The second line of a button name is ignored by KUMO's Native Protocol server.

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- REST API updated to support Salvo configuration.

- REST API updated to support querying the crosspoint status of all router destinations.

- REST API updated to hide eParamID_XPT_Source?_Status parameter which is not used by KUMO.

- Updated KUMO REST API documentation is available on www.aja.com.

Additional Information

Although KUMO routers come from the factory pre-installed with firmware, it may not be as up-to-date as firmware posted on the AJA website. The following topics in these notes describe the steps required to upgrade the firmware in your AJA KUMO router.

Download the Latest KUMO Firmware
Current and past releases of KUMO firmware are available on AJA's website. To get the firmware, point your browser to:

https://www.aja.com/support

Select your KUMO Product under the Routers pop-up menu, then select the Mac or Windows icon next to the Software tab. Finally, select the firmware file and download it to your system for upgrading your local KUMO device.

Unpack the Firmware

KUMO firmware update files are compressed "ZIP" files, which you can open with a number of standard and third-party uncompressor applications. The firmware image that you'll install on the KUMO is a file with a name like kumo_ver_1.0.0.3.bin or similar. Depending on your Mac or Windows operating system settings, the ".bin" extension may not be visible to you in a file directory.

Uploading and Installing the Firmware to the KUMO

Uploading and installing the firmware update only requires a Mac or Windows computer that can "see" the KUMO via its Ethernet connection. Follow this procedure to install the firmware:

1. Point your browser at the KUMO upgrade page by clicking on the "Firmware" menu link at the bottom of the application web page.
2. Click the "Choose File…" button to select the file you previously downloaded.

3. After you have selected a valid KUMO .bin file, click the "OK" button in the "Upload Firmware" prompt. The file you select will upload to the KUMO and be tested for validity. Incomplete, corrupted, or non-KUMO firmware files are rejected.
4. Click "Commit Uploaded Firmware" on the KUMO Update Firmware web page after the upload is finished. After the upload is finished, restart the KUMO device to run the new firmware.

Note: The same KUMO firmware is used for KUMO 1604, 1616, 3232, 6464, 1616-12G, 3232-12G, 6464-12G routers and KUMO CP and KUMO CP2 control panels. AJA recommends updating all routers and control panels to the same firmware to ensure compatibility.

Technical Support

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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:

Email: support@aja.com
Phone: +1-530-271-3190
Fax: +1-530-274-9442
Web: https://www.aja.com/support/contact
Shipping: 180 Litton Dr. Grass Valley, CA 95945 USA