

KUMO Release Notes – Version 2.0

Features

- Released the new 32x32 KUMO Routing Switcher.
- Implemented the GVG Native Protocol for control of the KUMO routing switchers.

Note: Due to a wiring issue in the existing routing switchers, an adapter is required for control (Module – RS422 Crossover Adapter, part# 104521-00).

Existing KUMO routing switchers have a model number ending in R0. The model number is on the bottom of the KUMO chassis, on the bar-coded label (“KUMO-1616-R0” or “KUMO-1604-R0”).

Newer KUMO routing switchers end in an “R1” and do not require the adapter.

To obtain the adapter, call AJA Customer Service at +1-530-271-3190.

Improvements

- Improved communication for more reliable crosspoint tally.
- Fixed a problem with recovery after power cycle to properly retain crosspoint selections.
- Fixed a problem where some units would not properly power on.
- Addressed an issue with properly reporting the “Intensity” on the configuration page.
- Addressed an issue where selections of destinations 5 to 16 could affect the 1604.

Updating KUMO Software

Although the KUMO routing switcher comes from the factory pre-installed with software, it may not be as up-to-date as software posted on our AJA website. The following topics in these notes describe the steps required to upgrade the software in your AJA KUMO Routing Switcher.

Download the Latest KUMO Software

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

<http://www.aja.com/en/support/converters/kumo/>

Once you see the update page, KUMO software files can be selected for downloading to your Mac or Windows system for upgrading your local KUMO device.

Unpack the Software

KUMO software update files are “ZIP” files, which you can open with a number of standard and third party uncompressor applications. The software 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.

In the zip archive there will be a README.TXT file. Please open and read the file so you will be aware of any updates or information that did not get in the manual or release notes.

Uploading and Installing the Software to the KUMO

Uploading and installing the software update simply requires a Mac or Windows computer that can “see” the KUMO via its ethernet connection.

Follow this procedure to install the software:

1. Point your browser at the KUMO’s upgrade page by clicking on the “Firmware” menu link at the top of the application web page. The KUMO’s web pages are discussed in the KUMO User Manual.
2. Click the “Browse...” button to select the file you previously downloaded. For example:
`kumo_ver_1.0.0.3.bin` is contained in the zipfile downloaded from AJA.
3. After you have selected a valid KUMO image 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 software files are rejected.
4. Click “Commit Uploaded Firmware” on the FS2 Update Firmware web page and, 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 routers and KUMO CP control panels. AJA recommends updating all routers and control panels to the same firmware to ensure compatibility. For KUMO 3232 routers, control panels **must** be updated to v2.0 in order to allow access to the full 32 inputs and outputs from the KUMO CP.