AJA KUMO Release Notes
v2.1

In this Release

This release is recommended for all KUMO users. It adds improvements to the general operation and fixes issues present in the earlier release version v2.0.

Improvements

- Fixed a problem where the "Identify" LED was not working from the web browser.
- Fixed an error display problem when sending switching commands to the KUMO using the GVG Native Protocol. The command now states the correct status.
- Fixed a problem in the Native Protocol driver when adjusting the source and destination names, where the names would not change without a reboot.
- Added support for older REST API scripting (those scripts utilizing HTTP GET/POST '/value' and '/options' syntax). Most of these older scripts should not need changes, however those scripts utilizing 'POST' requests must add an additional flag (&type='altPostResp') to the message in order for the that message to succeed.
- Added Native Protocol command "QI" and "Qi"
- Improved security features

AJA
VIDEO SYSTEMS

Installing the Latest Firmware

Although the KUMO comes pre-installed with firmware from the factory, new firmware updates are posted on the AJA website and will need to be installed on the KUMO to enable the latest features and fixes. The following section describe the steps required to upgrade the firmware in your AJA KUMO routers as well as any connected KUMO CP panels.

> *Note: The same KUMO firmware can be loaded on routers and control panels and it is advised to have all KUMO products using the same version of firmware for optimal performance.*

Download the latest KUMO firmware

Current and past releases of KUMO firmware are available in the support section of the AJA website:

http://www.aja.com/en/products/kumo/#support

Download the latest firmware update onto the computer that will be connected to the KUMO router.

Unpack the firmware

KUMO firmware update files are "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_1.1.0.4.bin` or similar. Depending on your PC or Mac operating system settings, the ".bin" extension may not be visible to you in a file directory.

In the 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 firmware to the KUMO

Uploading and installing the firmware update only requires a PC or Mac that can "see" the KUMO via its ethernet connection. For detailed instructions on establishing a connection between your computer and the KUMO, refer to the "Setup and Control from a Browser" information beginning on page 6 of the KUMO Installation and Operation Guide.

Follow this procedure to install the firmware:

1. Point your browser at the KUMO's upgrade page by clicking on the "Firmware" menu link on the KUMO web page. The KUMO web pages are discussed in detail in the KUMO Installation and Operation Manual.

2. Click the "Browse..." button to select the file you previously downloaded. For example: kumo_ver_2.1.0.4.bin 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 firmware files are rejected.

4. Click "Commit Uploaded Firmware" on the KUMO Update Firmware web page after the upload is finished.

5. Wait for the procedure to complete—it will take only a few minutes. When done, the KUMO Update Firmware web page will prompt you to restart your KUMO. Click the "Restart KUMO with New Firmware" button to begin the restart. After the restart completes, the KUMO will be running the new firmware.

6. Once these steps are complete, the KUMO will be running the firmware you just uploaded until the next time you upgrade it. The configuration of the KUMO prior to the upgrade will be preserved. Ensure the new firmware is running by bringing up the KUMO web page again; the firmware version is displayed at the top of all KUMO web screens. If for some rare reason it didn't update, you can then run through the update steps again.

   Note: If there is a power outage or glitch during the firmware download, the KUMO will boot the older version and the upgrade process can then be restarted by the user. This happens because the KUMO has been designed with a safety feature where an internal "safe" copy of the previous firmware is retained in the event the firmware update does not properly complete.