

BRIDGE LIVE IP v1.20.3 Software Release Notes

High Density SMPTE ST 2110 IP Streaming Solution

Introduction

BRIDGE LIVE IP v1.20.3 software release includes multiple new features, improvements, fixes, and important security updates. It is recommended that all BRIDGE LIVE IP systems upgrade to this version immediately.

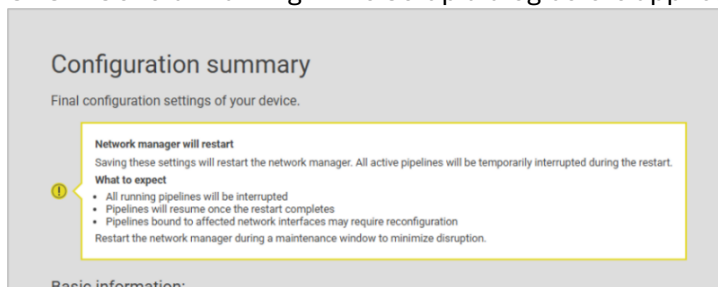
Be sure to consult the Installation and Operation Guide (user manual) for detailed information about features and configuration guidelines. The most current documentation can always be found on the [BRIDGE LIVE IP Support Page](#).

Features (Requires active Annual Maintenance License or new systems shipped with this release)

- NDI v6.3.1 SDK implemented with NDI HDR signaling and 10-bit (via 16-bit) support
 - NDI access requires purchasing the BLVE-NDI license
- H.264 GDR (Gradual Decoder Refresh) low-latency mode, configurable in the UI for NVENC (Nvidia Encoder) and x264 encoders

Improvements (With or without Annual Maintenance Option, applies to already supported features)

- New Monitoring Dashboard
- UI/UX: General warning in the Setup dialog before application regarding impact on configured pipelines:



- Wrap-captions: Captions can be inserted into MPEG-TS, HLS or RTMP H.264 outputs as SEI messages
- Input ST 2022-7 (redundancy) support for TS in RTP
- SCTE-104 messages within the SMPTE-2038 stream can be transposed to SCTE-35 on a private PID within an MPEG-TS output
- Green play button for runtime changes, blue check button for non-runtime changes

- UEFI (Unified Extensible Firmware Interface) supported on new systems built with this release
- AJA driver and SDK update to v17.6.0
- TS muxer bitrate stability improvements
- The B-frame count can be configured independently of the selected preset. B-frames are no longer invalidated when low-latency preset is selected in the Advanced Settings INI file. These can be turned on or off per pipeline. Previously, the pipeline configuration would be invalidated if B-frames were used on an output for H.262, H.264, and H.265 in conjunction with the low-latency preset application.
- SRT v1.5.6 implementation to address
 - [CVE-2026-55869](#): Heap-Based Buffer Overflow in KMREQ Handling
 - [CVE-2026-55868](#): Encryption State Machine Downgrade
- ST 2110-40 TX metadata outputs from TS input
- ST2110-40 RX input ancillary data: SCTE-104 and CEA-708 caption extraction via a 2110-40 receiver, output in ST 2038 format
- ST 2110-40 can be passed through as SMPTE-2038 within MPEG-TS on a PES PID. This is the same as passing ancillary data to SMPTE-2038 from an SDI input.
- Configurable RTP payload type for outgoing ST 2110 streams

Bug Fixes (With or without Annual Maintenance Option, applies to already supported features)

- Match input to output video params when created or stream type changes
- SRT listener doesn't respect interface selection
- Audio output can be created with auto-reconfiguration on and no channels set
- NMOS: Node description has correct vendor name
- Detection of duplicated ST 2110 input audio streams
- ST 2110 master_enable-related warning (behavior and dark theme)
- Auto-reconfiguration setup in the UI for the ST 2110-30 output

Documentation

For initial System Setup, see the BRIDGE LIVE IP Quick Start Guide that was included in the box with BRIDGE LIVE IP.

- The Quick Start Guide is unique to each BRIDGE LIVE IP system since it contains the unique admin and transcoder passwords necessary to gain access to the system for the first time.

The BRIDGE LIVE IP Manual is available via the AJA website:

- <https://www.aja.com/products/bridge-live-ip#support>

- Under the manuals heading, the BRIDGE LIVE IP manual can be selected for viewing and/or download.

The BRIDGE LIVE IP Tech Specs are available via the AJA website:

- <https://www.aja.com/products/bridge-live-ip#techspecs>

Downloading and Applying Software Updates from AJA.com

Download the Latest BRIDGE LIVE IP Update

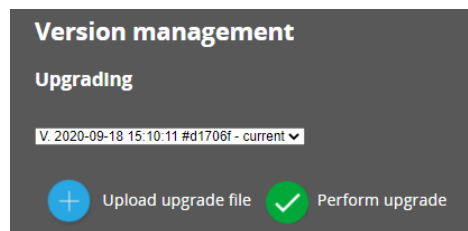
- Using a separate host-system, connected to BRIDGE LIVE IP, use a web-browser to reach:
 - <https://www.aja.com/products/bridge-live-ip#support>
- Under the Software heading, the BRIDGE LIVE IP package can be selected for download.
- Download the package to the separate host system, connected to BRIDGE LIVE IP.

Unpack BRIDGE LIVE IP Update

- The update provided by customer support is a “ZIP” file which can be opened with OS tools or third-party applications.
- Extract the contents of the ZIP file (unzip). This will present a folder containing the BRIDGE LIVE IP Product Manual, Release Notes, and appropriate Software update/upgrade.

Follow this procedure to update your BRIDGE LIVE IP

1. WARNING: Before performing an upgrade, be sure to back up your Pipeline configurations.
 - See "Creating and Loading Preset Configurations for Streams" in the BRIDGE LIVE IP Manual for details.
2. Using the BRIDGE LIVE IP GUI proceed to Setup > Version Management.
3. Choose “Upload upgrade file”. Navigate to the unzipped Software update and select.
4. Choose “Perform upgrade”.
5. Confirm the pop-up window stating that the BRIDGE LIVE IP unit will have to reboot after the update process is done.
6. Following reboot or restart, a login will be required.



NOTE: Do not disconnect power during the software update.

Technical Support

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