



V10.2.0 Release Notes - LiveEdge® Max

2024-06-05 V10.2.0.221

Bundled Cloud Agent: V1.12.2

Features

- > **Front Panel LED enhancements:**
 - **Boot-up sequence**
 - Upon powering the device, LED is illuminated red, then yellow as the start-up processes are running, and blue upon boot completion
 - **Software update indication**
 - Flashes between yellow and purple every 0.25 second until the update is complete and blue upon completion of update installation
- > **Support for SCTE-104 ingest on SDI**
- > **Fallback to Link-Local IP Address in compliance with [RFC3927](#)**
- > **XML Control for WHIP Video and Opus Audio support**

Bug Fixes / Improvements

- > Changed Audio mapping for 6 channel sources to be compliant with SMPTE 320M
- > Fixed audio distortion resulting from SDI sources supplying asynchronous audio samples
- > Fixed SD resolution multichannel audio issue
- > Fixed WHIP/WebRTC connection issue to Phenix RTS
- > Bug fix for colorspace metadata reporting incorrectly via SDI or HDMI
- > Bug fix preventing illegal characters from being entered in via XML and REST API for File Record output
- > Local Web UI enhancements:
 - When various components are deleted on the local Web UI, the dialog boxes now contain a more consistent messaging
 - Local Web UI Save button will now temporarily disable and present a loading icon while the device is saving configurations
 - WHIP outputs will now reflect their custom name in any pop-up dialog boxes that are displayed



Known Behaviors

> **Constant Bitrate:**

- Constant Bitrate workflows may experience significant video quality issues on the LiveEdge® Max platform. Macroblocking can be observed during scene changes between black/still frames and transitions to dynamic video content. This is currently scheduled to be addressed in software release V10.2.1.

> **XML Control:**

- HTTP Request Headers are not currently providing expected device status information for XML requests. As a workaround, we recommend pointing LiveEdge® Max devices to a specific XML file. This is currently scheduled to be addressed in software release V10.2.1.
- SD cards with XML files installed will not function on LiveEdge® Max.
- XML Control will sometimes take up to 90 seconds to apply the changes that have been configured to an XML file.
- XML Control-created Data Profiles/Encoders are not properly deleted when removed from the XML file.
 - We recommend manually deleting any Data Profiles/Encoders using LiveEdge® Cloud Control or the local web UI after a Data Profile/Encoder is removed from the XML file. If you allow the Data Profiles/Encoders to exist, they will still be re-used in a new XML file containing them.

> **External Storage:**

- External storage device functionality may have unexpected results
 - External USB storage devices are not supported with this release of software.
 - An SD card must be inserted prior to device boot in order for it to mount properly. SD cards being removed from the system post-boot will require a reboot to remount them.

> **Video and Audio Profiles/Encoders:**

- Only “Normal” and “Lowest” Quality/Latency settings are supported in Video Profiles/Encoders.
- B-frames are not strict in the encoding architecture and are “adaptive”, meaning you may not see consistent IBPBP...BPBP GOPs. Sometimes it skips B-frames, so you can see GOPs like IBPBPPPPBPBP. The higher the bitrate, the more B-frames get skipped.
- B-frames in the GOP structure are not supported on Max with Constant Bitrate encoding mode. When streaming with Constant Bitrate encoding mode, please select “Lowest” Quality/Latency.



Did you know?

> **New Form Factor - LiveEdge® 2Go**

- The LiveEdge® Ecosystem is now available in two small, rugged, and portable form factors - **LiveEdge® 2Go and 2Go Mini** - designed for the pitch, court, track, rink, or wherever your live events take you, prepared to take on the most grueling on-the-go workflows. Both subscriptions include Compute, Cloud Control, vCare and an encoding container per input - perfect for supporting multiple camera angles or backup feeds - add a la carte licensing options to personalize your workflow. Check out all the details [Here](#).

> **New Use Case - Live-to-VoD Highlight Reels**

- Leverage streamlined social media and OTT workflows to optimize your broadcast workflows. The LiveEdge® Ecosystem is container-based, enabling you to imagine, test, and deploy high-quality broadcast workflows, like never before. Case in point - containerized social/OTT highlight clipping tools can now provide automated start/stop timing data to LiveEdge®. In turn, LiveEdge® can instantly deliver fresh highlight reels for social/OTT viewing, and high bitrate versions for traditional broadcast, replacing expensive manual processes and expensive tools. To learn more about Live-to-VoD and highlight clipping workflows, reach out to us [Here](#).