



## 9223/9223-SA/BBG-1123-ENC Firmware Version 3.2.0 Release Notes

### **This release introduces the following new features:**

- HLS operation enhancements:
  - Add missing variables to the MIB.
  - Add support for publishing to remove servers using HTTP PUSH functionality.
  - Add support for including the CODEC strings in the HLS manifest (Akamai requirement).
- Enhancements to RIST Simple Profile (VSF TR-06-1) functionality:
  - Support for the RTT Echo message introduced in the 2020 revision of TR-06-1.
  - Add support for Bonding and Seamless Switching.
  - Add support for retransmission rate limits.
  - Increase the allowable ARQ NACK buffer to 4 seconds.
- Support for RIST Main Profile (VSF TR-06-2):
  - Support for Baseline Level tunneling, including:
    - Sending and receiving of JSON messages.
    - Support for Reduced Overhead mode.

### **This release fixes the following issues:**

- 9223 only: CAN bus stability improvements.
- RTMP: after connection, read and discard data received from the server. This addresses a memory leak in some servers.
- Fix a DNS issue whereby the device would interpret an IPv6 response as IPv4 and fail to connect.
- Fix a syntax issue on SCTE-35 messages with zero pre-roll.
- Convert zero pre-roll SCTE-35 to messages with an actual pre-roll based on encoder latency.
- Fix a bug whereby a line 21 CC source would not be preserved in auto mode.
- BBG-1123-ENC/9223-SA only: Fix a gateway ordering issue when there is no gateway in one of the streaming interfaces, and it is in that interface is in the same range as the control interface.
- Remove SCTE-35 injection log messages to avoid an encoder stalling issue.

## Subsequent Interim Releases

### **Version 3.2.1**

- This version has new OEM graphics.
- Correct a corner case GUI reporting on Dolby Pass-Through.

### **Versions 3.2.2 and 3.2.3**

- Additional OEM graphics. These versions have no user-visible changes.

### **Version 3.2.4**

- DashBoard speed improvements for the Admin → Event Log page.
- Add support for SCTE-104 over TCP signaling (additional per-channel license required).
- Add support for source IP address filtering in RIST Main Profile Tunnels.
- Add support for receiving RIST Main Profile GRE packets with the VSF Ethertype.
- Correct an SSRC issue in the RIST RTT Echo message that caused an interoperability problem with libRIST.

**NOTE:** This version has an issue that prevents IP Outputs created on Ethernet 2 with unicast destinations from working. This issue has been fixed in version 3.2.10.

### **Version 3.2.5**

- This version was not released due to an issue with single-channel encoders.

### **Version 3.2.6**

- Add support for injecting known DID/SDID types as SMPTE-2038 in addition to their normal processing.
- Add support for simultaneous SCTE-104 processing both from ancillary data and from TCP.

**NOTE:** This version has an issue that prevents IP Outputs created on Ethernet 2 with unicast destinations from working. This issue has been fixed in version 3.2.10.

### **Version 3.2.7**

- Fixed an issue that could cause a configuration file not to be saved, under some rare conditions.
- Add support for enabling and configuring the Video Signal Type in the VUI NAL. These controls can be found in the encoder Advanced tab.

**NOTE:** This version has an issue that prevents IP Outputs created on Ethernet 2 with unicast destinations from working. This issue has been fixed in version 3.2.10.

### **Version 3.2.8**

- Fixed an issue that could cause the 9990-ENC version to fail to start if configured with a single encoder channel.

**NOTE:** This version has an issue that prevents IP Outputs created on Ethernet 2 with unicast destinations from working. This issue has been fixed in version 3.2.10.

#### **Version 3.2.9**

- Increased the maximum RTMP App and Stream field entry sizes from 200 characters to 250 characters.

**NOTE:** This version has an issue that prevents IP Outputs created on Ethernet 2 with unicast destinations from working. This issue has been fixed in version 3.2.10.

#### **Version 3.2.10**

- Fixed an issue that prevented IP Outputs created on Ethernet 2 with unicast destinations from working. The issue prevented the IP Outputs from acquiring a destination MAC address, which caused them never to start.