



9990-DEC-MPEG/BBG-1090-DEC-MPEG/BBG-1190-DEC-MPEG

## Release Notes

### Firmware Version 1.4.0 Release Notes

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

- Add SRT support, including the ability to manually set the SRT source port.
- IP Input is always enabled and no longer requires a license key.
- In RIST mode, the device will now respond to RTT Echo Request messages.
- Improved IP Output de-jittering in RIST mode.
- RIST Certificate Authority files are now interchangeable with SafeLink.
- Support for receiving reduced overhead RIST streams using the VSF EtherType, introduced in TR-06-2:2022.

**This release fixes the following issues:**

- Increased resiliency against firmware corruption on power cycles.
- Fixed an issue where the unit would not be able to start receiving any network stream if set in RIST mode, attached to a tunnel that was not created, and left in this state for a significant amount of time.

### Firmware Version 1.3.11 Release Notes

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

- Added periodic gratuitous ARP transmissions to the streaming port to ensure that the ARP cache in connected switches maintain a record of the device when it is simply receiving unicast.
- RIST performance improvements.
- Add support for boards with secondary flash. The DashBoard **Product** tab will indicate whether it is installed.
- Add per-link status in RIST multilink configurations. These include:
  - Number of packets received per link.
  - Number of packets used per link.
  - Number of retransmissions received per link.
  - RTP and RTCP source IP address per link.
  - RTCP source port per link.

- Link RTT (if the sender supports the RTT Echo message).
  - Link instantaneous bit rate.
- Add support for source IP address filtering in RIST tunnels.

**This release fixes the following issues:**

- Removed periodic date/time persistence as it caused some issues.
- Fixed some frame accuracy issues with SMPTE ST 2038 data.
- Fixed an unexpected restart when turning on CC processing on SD, under some conditions.
- Fix an issue whereby the luminance of an HLS playback will be half of normal, under some circumstances.
- Fix an issue whereby a BBG-1190-DEC-MPEG with a front panel running down-rev firmware would identify itself as a BBG-1090-DEC-MPEG and not automatically upgrade the panel.

## Firmware Version 1.3.5 Release Notes

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

- Repeated messages in the log are now suppressed. If a message repeats, the log will simply indicate this instead of filling with copies of the same message.

**This release fixes the following issues:**

- In RTSP mode, if the decoder attempted (and failed) to connect to an offline camera for an extended period, it would sometimes no longer connect even if the camera came back online.
- Garbled closed-captions for some H.264 Standard Definition streams.
- Suppressed extraneous ASI Transmit log entries when ASI Transmit was not in use.
- When using RIST, the transmitted RTCP messages would sometimes come out on the control port even though the streaming port was selected (BBG versions only).
- Fix a compatibility issue with recent FFMPEG versions when the decoder is configured as an RTMP server.
- Fix a cosmetic issue whereby the audio language code would not be displayed in the Program Info tab for some types of audio.