



PRISM

SDI / IP Waveform Monitor

Release Notes

This document supports firmware version 4.2

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Release Notes

This document describes new features, fixes, and improvements of firmware version 4.2 for the PRISM SDI / IP Waveform Monitor.

Compatible Products

Upgrades The following 25G products are compatible with this release:

- MPI and MPX that have been upgraded to 25G
- MPI2-10 and MPX2-10 that have been upgraded to 25G
- MPI2-25 and MPX2-25
- MPS-100/200/300
- MPD-100/200/300
- MPP-100/200/300

NOTE: This release is not compatible with 10G systems:

- MPI and MPX without 25G upgrade
- MPI2-10 and MPX2-10 without 25G upgrade

Downgrades After upgrading to 4.x from 3.x, it is not possible to downgrade to 3.x without assistance from Telestream technical support.

MPP products cannot be downgraded to a version earlier than 4.1.

New Features

The following new features have been added to PRISM starting at version 4.2. Unless otherwise noted, new features apply to all products listed in the **Compatible Products** section.

- TTML2** Timed Text Markup Language version 2 uses an XML-based format for the interchange of captions and subtitles over ST 2110-43 transports. In addition to decoding of multilingual TTML captions and subtitles in the Picture application, the status of TTML formats can be viewed in other PRISM applications. Alarms can be configured if TTML is dropped from the ST 2110-43 stream.

- Up to 8 streams of ST 2110-30/31 audio** IP inputs can now be configured with up to 8 streams of ST 2110-30 or -31 audio. The previous version only allowed 4 streams.

- Up to 4 streams of ST 2110-40/43 data** IP inputs can now be configured with up to four ST 2110-40 or -43 streams, but only one stream can be configured as ST 2110-43. The previous version only allowed a single ST 2110-40 stream.

- Static IP Address for NMOS** NMOS can now be configured with a static IP address to ensure consistent connectivity and improve network security.

- IP Display application** The new IP Display application will send the tiled PRISM display as an ST 2110 stream for multi-viewer applications. This is available as a standard application on all 25G PRISM products with an ST 2110 IP interface (-200, -300). If the Generator application is ordered (MPSPD-GEN), will appear as the IP Display & Generator application.

- VPID over ST 2110-40** The Video Payload Identifier (VPID) will now be shown in the ANC Session application if it is available on an ST 2110-40 stream.

- 32 channel audio** Inputs can be configured, and audio bars can be displayed, for 32 channel audio in UHD, 4K, and 8K SDI inputs. This conforms with ST 2082-10 for 12G-SDI and ST 2082-12 for Quad 12G-SDI, where channels 1-16 are on Link 1 and channels 17-32 are on Link 2.

Resolved Issues and Improvements

This firmware release has the following resolved issues and improvements. Unless otherwise noted, fixes and improvements apply to all products listed in the **Compatible Products** section.

- Audio** MPP product's analog audio was delayed compared to headphone output.
- AV Delay** Audio-Video Delay stability improvements.
- NMOS** NMOS would get into a "stuck state", requiring manual intervention to resolve.
- Picture** Picture Low Latency Mode switch added to the Settings > Display menu. When enabled, the picture switching response time is shortened at the expense of adding picture judder.
- WebRTC** WebRTC requires connection to an external internet environment to work.