



PRISM

SDI / IP Waveform Monitor

Release Notes

This document supports firmware version 3.5.2

www.telestream.net

D00010030M

Copyright © 2023 Telestream, LLC and its Affiliates. All rights reserved. Telestream products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TELESTREAM is a registered trademark of Telestream, LLC. All other trade names referenced are the service marks, trademarks, or registered trademarks of their respective companies.

Telestream products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specifications and price change privileges reserved.

TELESTREAM is a registered trademark of Telestream, LLC.

Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories.

Contact Telestream

Telestream LLC
848 Gold Flat Road
Nevada City, CA 95959
USA

For product information, sales, service, and technical support:
Worldwide, visit www.telestream.net/telestream-support/video/support.htm to find contacts in your area.

Release notes

This document describes new features, fixes, and improvements of firmware version 3.5.2 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

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

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

Downgrades for all PRISM products

Downgrading from version 3.x to 2.x is not allowed for the following products due to the hardware configuration:

- MPI2-25 with serial number starting at S010564
- MPX2-25 with serial number starting at S010386
- All MPS/MPD products

Downgrades for MPI2/MPX2 products

Downgrading to a version earlier than v3.3.3 is not allowed for the following products due to the hardware configuration:

- MPI2-25 and MPX2-25 with serial number starting at S011000
- MPI2-10, MPX2-10, MPI, and MPX that have been upgraded to 25G and have Input Board Type “MMC25 rev A.3” or later (see Settings > Utilities > Version)

Downgrades for MPS/MPD Products

Downgrading to a version earlier than v3.3.4 is not allowed for the following products due to the hardware configuration:

- MPS and MPD with serial number starting at S011000

New features

The following new features have been added to PRISM version 3.5.2. Unless otherwise noted, new features apply to all products listed in the Compatible Products section.

- New ST2110 video monitor and generator formats:
 - 2048x1080 4:2:2 YCbCr 10b 23p, 24p, 25p, 29p, 30p
 - 4096x2160 4:2:2 YCbCr 10b 23p, 24p, 25p, 29p, 30p
 - 1920x1080 4:4:4 RGB 12b 23p, 24p, 25p, 29p, 30p
 - 2048x1080 4:4:4 RGB 12b 23p, 24p, 25p, 29p, 30p
 - 3840x2160 4:4:4 RGB 12b 23p, 24p, 25p, 29p, 30p
 - 4096x2160 4:4:4 RGB 12b 23p, 24p, 25p, 29p, 30p
- New HDR, Audio and EBU R103 alarms
- New Immersive PCM audio support for SDI and IP including 5.1.4 / 7.1.4 surround sound display
- Support for audio programs that are split across multiple ST2110-30 streams
- Support for dual HDMI receivers on DP ports in MPX2 models

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.

- 2110 Aux Out
 - Aux out from 2110 stream sometimes produces distorted audio.
- Alarms
 - Alarm selection is not properly available.
- Audio
 - Audio Phase Display sometimes misbehaves; correlation meter becomes unstable.
- AV Delay
 - AV delay performance improvement.
- Closed Caption
 - French character in OP47 not properly decoded.
- Dolby Metadata
 - Dolby Status Program Description can contain stale data after a change in the description.
- Dual Display
 - Extended Display is not responsive.
 - HDMI display doesn't work in Extended Display mode in MPX2-25.
- Event Log
 - No input labels in video alarms.
- Eye Display
 - Horizontal lines appear across trace displays.
 - Readouts not easy to read within display.
- Gamut
 - Gamut Threshold EBU R103 defaults are broken.
- HDR Light meter
 - Light meter shows wrong value.
- Multi Stream Audio
 - The second audio stream is incorrectly mapped when the first audio stream has more than stereo and is not enabled.
- NMOS
 - Add persistent NMOS registration mode.
 - Lost audio when routing a new stream.
 - Program configuration will automatically reset itself to ON when routing some signals through NMOS.
 - Interoperability issue in handling error code
- Picture
 - Blurred UHD picture by reordering RTP packet.
- Presets
 - Recalling preset causes black screen.

Resolved Issues and Improvements

- Recall of preset does not correctly recall Gamma and Colorimetry.
 - Preset Recall issue with GPI enabled.
- SDI Inputs
- NRZ signal input causes unstable condition.
 - HLG/2020 is not set with VPID.
- Settings Inputs Menu
- Invalid auto selection when changing SDI input to IP input.