

Dolby DP568 Professional Reference Decoder Release Notes

Version 1.3.0.11

Release Date: December 2013

This document provides information about the Dolby® DP568 Professional Reference Decoder and its firmware release history. For further information regarding the DP568, contact your Dolby account manager or Dolby Technical Support at broadcastsupport@dolby.com.

1 Background

DP568 firmware version 1.3.0.11 includes several improvements and bug fixes from version 1.2. This document provides a high-level description of these changes. For further details, see the *Dolby DP568 Professional Reference Decoder Manual*.

2 Feature Enhancements

The following feature enhancements are included in this release:

- Loudness mode: Added support for a separate EBU mode, ITU-R BS.1770-2 with Dolby Dialogue Intelligence™.
- Headphone output: Users can select the channel from the headphone output.
- SDI input: Improved SDI stability.

3 Notes

This release supports Google™ Chrome™ 6.0 and later, Mozilla® Firefox® 3.5 and later, and Apple® Safari® 5.0 and later (on Mac®), and provides limited support for Microsoft® Internet Explorer® 7 and 8. The latter two have reduced functionality, including no real-time meters and no real-time loudness data graphing. All browsers require a minimum resolution of 1,024 × 768 dpi. Google Chrome is the recommended browser.

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4 Bug Fixes

This release includes the bug fixes listed in the following table.

Table 1. Bug Fixes

Bug Number	Description
DP568-1660	Fixed Dolby Pro Logic® configuration user interface.
DP568-1744	The MPEG <code>dialnorm</code> value is correctly displayed.
DP568-2111	Fixed headphone output and composite video output issues while decoding Dolby E over ASI.
DP568-2121	Fixed stuttering caused by multiple MPEG-2 frames per packetized elementary stream.
DP568-2138	Fixed loudness graph ballistics when transitioning from tone to silence.
DP568-2153 DP568-2145	Fixed core dump issue on input source change and long-term streaming.
DP568-2162	All channels are downmixed to stereo when monitoring a Dolby Digital Plus™ 7.1 stream over the headphone output.
DP568-2164	Improved HDMI™ stability.

5 Known Issues

This release includes the known issues listed in the following table.

Table 2. Known Issues

Issue Number	Description
DP568-2178	Dolby Digital Plus data rate over AES maximizes at approximately 832 kbps.
DP568-2203	The unit might stop responding when rapidly switching the IP input during long-term testing.
DP568-2207	Audio dropouts and video freezes (macro blocks) occur while monitoring dual-PID Dolby Digital Plus 7.1 with bitstream mixing.
DP568-2216	32 kHz Dolby Digital/Dolby Digital Plus streams over SDI input are not decoded.
DP568-2261	The unit might stop responding after a period of 24–48 hours while streaming a high-bit-rate (>100 Mbps) transport stream over ASI.