DOLBY

Dolby IMB firmware release notes

Release v30.11b
4 April 2018

1 Introduction

This documentation provides the Dolby Integrated Media Block (IMB) firmware release notes and firmware update procedure.

Contacting Dolby

Contact Dolby Cinema Solutions and Support

- Send an email to cinemasupport@dolby.com.
- Call:

  Americas: +1-415-645-4900
  Europe/Middle East/Africa (EMEA): +44-33-0808-7700
  Asia-Pacific (APAC): +86-400-692-6780
  Japan: +81-3-4540-6782

Access documentation

Visit www.dolbycustomer.com.

Submit feedback about this documentation

Send an email to documentation@dolby.com.

2 Installing the Dolby IMB firmware

You can install the firmware using the **Ingest Manager Upload** feature or File Transfer Protocol (FTP).

2.1 Dolby IMB firmware installation overview

Before you can install the Dolby IMB firmware, you must obtain a firmware package and a Dolby License Message (DLM) from Dolby.

Each DLM package requires the serial number for your Dolby ShowVault. All files are available on service@ftp.cinema.dolby.com. For FTP credentials, contact Dolby Cinema Solutions and Support.

2.2 Installing the Dolby IMB firmware using the Ingest Manager

You can install the Dolby IMB firmware package and DLM using the **Ingest Manager**.

Prerequisites

You have received the Dolby IMB firmware package and the DLM from Dolby.

Procedure

1. After you download both the DLM and firmware packages, save them onto a Universal Serial Bus flash drive.

2. On the Dolby ShowVault, click **Menu** > **Doremi Apps.** > **Ingest Manager**.

3. In the **Ingest Manager** window, select the DLM first, and then click **Ingest**.
   The DLM installs in the background.

4. After the DLM installs, find and select the firmware package, and then click **Ingest**.

5. After the firmware package is ingested, reboot the Dolby ShowVault.

Results
You are now ready to use the Dolby IMB firmware.

2.3 Installing the Dolby IMB firmware using FTP

You can install the Dolby IMB firmware package and DLM using FTP.

Prerequisites

You have received the Dolby IMB firmware package and the DLM from Dolby.

Procedure

1. Open an FTP client from your computer.

2. Enter the IP address for your Dolby ShowVault, and then log in as **admin**.

3. Find the DLM and firmware package, and upload these items to the /etc/rc.once directory.

4. Reboot the Dolby ShowVault.

Results
You are now ready to use the Dolby IMB firmware.

3 Dolby IMB firmware v30.11b release notes

Dolby IMB firmware v30.11b includes bug fixes.

Dolby IMB firmware v30.11b requires the dcp2000_imb_firmware-30.11b.pkg package.

3.1 Dolby IMB firmware v30.11b bug fixes

Dolby IMB firmware v30.11b includes bug fixes.

Fixed an issue where image pixelation appeared on certain 4K content if the video's 4K layer was on the low-end of the size spectrum. [DCPLYR-4379]

4 Dolby IMB firmware v30.11a release notes

Dolby IMB firmware v30.11a includes bug fixes.

Dolby IMB firmware v30.11a requires the dcp2000_imb_firmware-30.11a.pkg package.

4.1 Dolby IMB firmware v30.11a bug fixes

Dolby IMB firmware v30.11a includes bug fixes.

- Fixed an issue that caused digital audio distortion on the first playback after boot-up. [DCPLYR-817]

- Fixed an issue with the Doremi watermark that caused no digital audio output on the first playback after boot-up. [DCPLYR-1927]

- Fixed an issue that caused 4K image artifacts when playing 4K content. [DCPLYR-1937]

- Fixed an issue with subtitles where the 4K scope/flat subtends were not removed at the right place, causing artifacts. [DCPLYR-2983]

- Fixed an issue which caused a green tint on the image on some Dolby IMB revision boards.

5 Dolby IMB firmware v30.07z release notes

Dolby IMB firmware v30.07z includes bug fixes.

Dolby IMB firmware v30.07z requires the dcp2000_imb_firmware-30.07z.pkg package.

5.1 Dolby IMB firmware v30.07z bug fixes

Dolby IMB firmware v30.07z includes bug fixes.

- Fixed an issue that caused the subtitles to fade in and out.

- Fixed an issue that caused the subtitles to flash when playing 1080p 3D content.

- Fixed an issue that caused the subtitles to play incorrectly on 720p Sensio or RealD.

- Fixed an issue that caused the subtitles to disappear when playing 720p in 3D content.

- Fixed an issue that caused the subtitles to flicker with a 3D clip in a 3D show playlist (SPL).

- Fixed an issue that caused audio distortion when skipping chapters.

- Fixed an issue that caused green flashes to appear when playing SMPTE 30 fps 4K 2D content in a 3D SPL.

- Fixed an issue that caused video loss on slave units in Chase mode.

- Fixed an issue that caused the picture to flicker with a Chase mode (that is, slave) and Doremi watermark setup.

- Fixed an issue that caused synchronization and locking.

- Fixed an issue that caused some pictures to flicker when playing certain content.

6 Documentation revision history

The documentation revision history lists the date, issue number, and description of all publications of the Dolby IMB firmware release notes.

Date	Issue	Description
16 February 2016	1	Release notes added for firmware v30.07z
17 July 2017	2	Release notes added for firmware v30.11a
04 April 2018	3	Release notes added for firmware v30.11b

Glossary

1080p

See full high definition on page 4.

DLM

Dolby License Message.

FHD

Full high definition. Video with a display resolution of 1920×1080 pixels and an aspect ratio of 16:9. Also referred to as 1080p.

fps

Frames per second. The number of unique consecutive images (frames) an imaging device produces in one second.

FTP

File Transfer Protocol. A network-based protocol designed for transferring data using a client-server architecture.

IP address

Internet Protocol address. A numerical identifier assigned to a device that is a member of a network that uses the IP for communication.

SMPTE

Society of Motion Picture and Television Engineers.

SPL

Show playlist. A playlist that defines one digital cinema show and is made up of a sequence of composition playlists (CPLs) that are associated with automation events, inserts (black pattern and others), or both.

USB

Universal Serial Bus. A standard that defines the cables, connectors, and communications protocols used in connections between computers and electronic devices.

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