DOLBY

Dolby IMS1000/Dolby IMS2000 SM release notes

Release v6.1.132
11 May 2018

1 Introduction

This documentation provides the installation instructions and describes new features, bug fixes, and other improvements for the Dolby IMS1000/Dolby IMS2000 Security Manager (SM) software.

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 SM

You can install the Dolby IMS1000/Dolby IMS2000 SM using the **Ingest Manager Upload** feature or File Transfer Protocol (FTP).

2.1 Before installing the Dolby IMS1000/Dolby IMS2000 SM

Before you can install the Dolby IMS1000/Dolby IMS2000 SM, you must obtain an SM package and a Dolby License Message (DLM) from Dolby.

Each DLM package requires the serial number for the Dolby IMS1000/Dolby IMS2000. All files are available on service@ftp.cinema.dolby.com. For FTP credentials, contact Dolby Cinema Solutions and Support.

📋 **Note:** If your Dolby IMS1000/Dolby IMS2000 was received with v6.1.132, we recommend that you do not downgrade to a previous SM version. Downgrading to a previous SM version may cause performance issues.

2.2 Installing the Dolby IMS1000/Dolby IMS2000 SM using the Ingest Manager Upload

You can install the DLM and SM files using the **Ingest Manager Upload** feature.

Prerequisites
You have received the Dolby IMS1000/Dolby IMS2000 SM and DLM files from Dolby.

Procedure

1. Save both files onto your computer.

2. Open a web browser and enter the IP address for the Dolby IMS1000/Dolby IMS2000.

3. Log into the Dolby IMS1000/Dolby IMS2000 web user user interface (UI) and then click **Control** > **Ingest Manager** > **Upload**.

4. Click **Choose Files** and then click the DLM file first.

5. Click **Upload**.

6. Click **Choose Files** again and then click the SM file.

7. Click **Upload**.

8. Reboot the Dolby IMS1000/Dolby IMS2000.

   Both the DLM and SM files install in the background.

Results

You are now ready to use the Dolby IMS1000/Dolby IMS2000 SM.

Related information

2.3 Installing the Dolby IMS1000/Dolby IMS2000 SM using FTP

You can install the DLM and SM files using FTP.

Prerequisites
You have received the Dolby IMS1000/Dolby IMS2000 SM and DLM files from Dolby.

Procedure

1. Open an FTP client from your computer.

2. Enter the IP address for the Dolby IMS1000/Dolby IMS2000, and then log in as `admin`.

3. Find the DLM and SM files, and upload these items to the /etc/rc.once directory on the Dolby IMS1000/Dolby IMS2000.

4. Reboot the Dolby IMS1000/Dolby IMS2000.

   Both the DLM and SM files install in the background.

Results

You are now ready to use the Dolby IMS1000/Dolby IMS2000 SM.

Related information

3 Dolby IMS1000/Dolby IMS2000 SM v6.1.132 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.132 includes bug fixes.

Dolby IMS1000/Dolby IMS2000 SM v6.1.132 requires the ims_sm-6.1.132-0.pkg package.

3.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.132 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.132 includes bug fixes.

Fixed the external input degamma to follow the ITU-R BT.1886 recommendation for HDMI and serial digital interface (SDI) input. [DCPLYR-4051]

4 Dolby IMS1000/Dolby IMS2000 SM v6.1.131 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.131 includes bug fixes.

Dolby IMS1000/Dolby IMS2000 SM v6.1.131 requires the ims_sm-6.1.131-0.pkg package.

4.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.131 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.131 includes bug fixes.

Fixed an issue where clipping on D65 White Point mastered content was occurring with RealD EQ Ghostbusting enabled in the Device Manager. [DCPLYR-3922]

5 Dolby IMS1000/Dolby IMS2000 SM v6.1.130 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.130 includes new features and bug fixes.

Dolby IMS1000/Dolby IMS2000 SM v6.1.130 requires the ims_sm-6.1.130-0.pkg package.

5.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.130 new features

Dolby IMS1000/Dolby IMS2000 SM v6.1.130 includes new features.

- Removes the requirement for 4K license on the Dolby IMS2000. [DCPLYR-3100]

- Adds support for Dolby Deghost, which improves image quality on 3D systems that may exhibit image ghosting. Functionality only available with Dolby IMS2000 and software v2.8.18 or greater. [DCPLYR-3661]

5.2 Dolby IMS1000/Dolby IMS2000 SM v6.1.130 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.130 includes bug fixes.

- Fixed an issue where a DLM that was not yet valid appeared as expired when ingested into the server. [DCPLYR-3133]

- Fixed an issue where the system could not decipher encrypted timed text without keyed-hash message authentication code (HMAC). [DCPLYR-3134]

6 Dolby IMS1000/Dolby IMS2000 SM v6.1.129 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.129 includes bug fixes.

Dolby IMS1000/Dolby IMS2000 SM v6.1.129 requires the ims_sm-6.1.129-0.pkg package.

6.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.129 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.129 includes bug fixes.

- Fixed an issue where the **HDSDI Input Degamma** setting had no effect. [DCPLYR-419]

- Fixed an issue with the driver on the Dolby IMS2000 to support new hardware revision with the Spansion S29GL512T10FHI020 and Cypress Semiconductor S29GL512T10FHI02 memory module. [DCPLYR-3080]

7 Dolby IMS1000/Dolby IMS2000 SM v6.1.128 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.128 includes new features, bug fixes, and other improvements.

Dolby IMS1000/Dolby IMS2000 SM v6.1.128 requires the ims_sm-6.1.128-0.pkg package.

7.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.128 new features

Dolby IMS1000/Dolby IMS2000 SM v6.1.128 includes new features.

Adds a control status to return 3D information for HDMI input. [Fusion #410]

7.2 Dolby IMS1000/Dolby IMS2000 SM v6.1.128 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.128 includes bug fixes.

- Fixed an issue with the mb_ctl.out status that incorrectly reported in the logs that 4K was not capable. [MediaBlock #1342]

- Fixed an issue with the missing **DeviceConnectedID** field in the security logs created by the asm_responder application. [MediaBlock #1344]

- Fixed an issue where the service door/marriage monitor was incorrectly displaying an open state. [DCPLYR-1949]

- Fixed an issue where the SM was not detected when too many DLMs were present. [DCPLYR-2812]

7.3 Dolby IMS1000/Dolby IMS2000 SM v6.1.128 other improvements

Dolby IMS1000/Dolby IMS2000 SM v6.1.128 includes other improvements.

- Updated color matrices to correct Rec709 white point conversion to Digital Cinema Initiatives, LLC (DCI) standard on the Dolby IMS2000. [DCPLYR-49]

- Updated color matrices to correct the HDMI black levels. [DCPLYR-2407]

8 Dolby IMS1000/Dolby IMS2000 SM v6.1.122 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.122 includes bug fixes.

Dolby IMS1000/Dolby IMS2000 SM v6.1.122 requires the ims_sm-6.1.122-0.pkg package.

8.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.122 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.122 includes bug fixes.

- Fixed an issue that caused DLMs not yet valid to appear as expired when ingested into a unit.

- Fixed an issue with the secure physical boundary that prevented the Dolby IMS1000 SM from reconnecting to a Dolby Atmos Cinema Processor CP850.

- Fixed an issue that resulted in shades of gray missing in HDMI input.

- Fixed an issue that caused the video output to freeze on black images when the HDMI input changed from 1080p60 to 1080p30.

- Fixed an issue with a live HDMI composition playlist (CPL).

- Fixed an issue that applied the wrong degamma to the video.

- Fixed an issue with large security log database results that caused a Peripheral Component Interconnect (PCI) authentication failure.

- Fixed an occasional power up issue where the SM went into Federal Information Processing Standards (FIPS) lock because of an error during the read of the secure chip.

9 Dolby IMS1000/Dolby IMS2000 SM v6.1.119 release notes

Dolby IMS1000/Dolby IMS2000 SM v6.1.119 includes bug fixes and other improvements.

Dolby IMS1000/Dolby IMS2000 SM v6.1.119 requires the ims_sm-6.1.119-0.pkg package.

9.1 Dolby IMS1000/Dolby IMS2000 SM v6.1.119 bug fixes

Dolby IMS1000/Dolby IMS2000 SM v6.1.119 includes bug fixes.

- Fixed an issue that caused snow after several hours of playback for dual projector configurations.

- Fixed an issue with the SDI input when an HDMI source was connected.

- Fixed an issue that crashed the SM when receiving an empty devices.xml.

- Fixed an issue with the system clock.

- Fixed an issue with the SM lockup when failing to read Extended Display Identification Data (EDID) video format.

- Fixed an issue that prevented the log .xml file from beginning with comments.

- Fixed an issue with the Dolby matrix deactivation that caused the system to reboot.

- Fixed an issue with the RGB709 to RGB project matrix.

9.2 Dolby IMS1000/Dolby IMS2000 SM v6.1.119 other improvements

Dolby IMS1000/Dolby IMS2000 SM v6.1.119 includes other improvements.

- Improved support for Dolby Atmos.

10 Documentation revision history

The documentation revision history lists the date, issue number, and description of all publications of the Dolby IMS1000/Dolby IMS2000 SM release notes.

Date	Issue	Description
04 December 2014	1	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.119
17 May 2016	2	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.122
31 May 2017	3	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.128
29 August 2017	4	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.129
26 September 2017	5	Modification made to Dolby IMS1000/Dolby IMS2000 SM v6.1.129 installation process
26 January 2018	6	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.130
02 February 2018	7	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.131
05 May 2018	8	Release notes added for Dolby IMS1000/Dolby IMS2000 SM v6.1.132

Glossary

CPL
Composition playlist. A composition playlist represents a complete digital cinema work, which may include features, trailers, teasers, and advertisements.

DCI
Digital Cinema Initiatives, LLC. A joint venture of several motion picture studios that defines an open architecture based on voluntary standards for digital cinema systems.

DLM
Dolby License Message.

EDID
Extended Display Identification Data. A data structure, standardized by the Video Electronics Standards Association, which enables a sink device to inform the host device about its identity and capabilities.

FIPS

Federal Information Processing Standards. A set of federal standards (such as data encoding and encryption standards) for computer systems that are used by nonmilitary government agencies and by government contractors.

FTP

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

HDMI

High-Definition Multimedia Interface. A high-speed, high-capacity format for transferring digital information and the specific hardware interface for the format.

HDMI source

A device with an HDMI output that transmits audio/video content over the output to a receiving device (HDMI sink).

HMAC

Keyed-hash message authentication code. An algorithm for message authentication using cryptographic hash functions that is specified by the National Institute of Standards and Technology (NIST) (FIPS PUB 198-1).

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.

PCI

Peripheral Component Interconnect. A local computer bus that supports functions in a standardized format.

An open-source instruction set architecture, known as Power ISA since 2006, which was developed in 1991 by Apple, IBM, and Motorola.

RGB

Red green blue. Red green blue color model.

RTC

Real-time clock. A specialized battery-powered microchip on a computer motherboard that keeps track of the current time, even when the computer is turned off.

SDI

Serial digital interface.

SM

Security Manager. Embedded software that controls security data and content access from unwarranted intrusion. SM is required by Digital Cinema Initiatives, LLC (DCI) and is controlled according to defined policy.

UI

User interface.

YCbCr

Representation of a color space for digital imaging systems. YCbCr represents color using brightness and two color difference signals for blue and red: Y, Cb, and Cr, respectively.

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