



Dolby Voice Room

Release notes

2.0.0
15 November 2018

1 Introduction

This document provides information about the Dolby Voice Room 2.0.0 release, including the latest product features, bug fixes, known issues, and upgrade instructions.

See the Dolby Voice Room Quick Start Guide v2.0 and Dolby Voice Room Administrator's Guide for detailed product specifications and operating instructions.

2 New Features

Table 1: Features introduced in this release

Dolby Reference	Summary
DVHH-1061	Added support for TV UI translations
DVHH-1155	Added support for power-saving with HDMI CEC
DVHH-1170	Upgraded the web application engine to the M67 release
DVHH-1171	Added support for simulcast in Dolby Voice Room
DVHH-1200	Added support to allow Dolby Voice Hub and Dolby Conference Phone to communicate over TLS 1.2
DVHH-1230	Improved the UI configuration to prevent it from restarting when the display configuration is modified.
DVHH-1235	Added support for URL validation
DVHH-1261	Improved core dump file upload and retention
DVHH-1276	Implemented power-saving APIs in Device API
DVHH-1277	Added support for idle state detection and sleep mode for the Dolby Voice Hub
DVHH-1287	Exposed the "Group of Pictures" configuration on the Dolby Voice Room system
DVHH-1291	Added a collection of display (monitor) information and status
DVHH-1292	Added support for HDMI audio input - local playback
DVHH-1298	Included the Web App Engine version into the Dolby Voice Room report mechanism
DVHH-1307	Added support for TV user interface text translation
DVHH-1308	Improved the Intelligent Scene Framing performance and user experience
DVHH-1314	Preserved the WebRTC internal dump diagnostic file and made it survive system reboot

Table 1: Features introduced in this release (continued)

Dolby Reference	Summary
DVHH-1327	Support added to allow USB audio devices to be enumerated on the system and accessible by the application
DVHH-1329	Enabled the USB Audio Class functionality in the Dolby Voice Camera
DVHH-1345	Improved camera firmware upgrade reliability by retrying to upgrade if first attempt fails
DVHH-1346	Enabled the USB Audio Class device in the camera firmware
DVHH-1349	Ability to configure Dolby Voice Room without plugging Dobly Conference Phone into Dolby Voice Hub
DVHH-1366	Exposed a configuration parameter to disable simulcast on Dolby Voice Room
DVHH-1390	Added support for Dual VLAN on Dolby Voice Room
DVHH-1400	Added support for HTTP redirect responses for all HTTP clients
DVHH-1410	Added support for DNS SRV, failover/failback, and NAPTR in SIP IPPBX
DVHH-1424	Added support for proxy authentication
DVHH-1473	Added support for inverting the camera output to allow for more flexible mounting of the camera
DVHH-1474	Added support for office hour configuration with power saving
DVHH-1481	Restored device serial number when the onboard NVRAM is reset
DVHH-1536	Added a maximum wait time configuration parameter for a video key frame

3 Fixes

Table 2: Fixes introduced in this release

Dolby Reference	Summary
DVHH-1115	If the primary IP PBX server goes down during a call, the call should not disconnect and the Dolby Voice Hub should not register to the secondary IP PBX server
DVHH-1163	Auto-framing behaves poorly when a person moves to a different position
DVHH-1199	Resolution does not ramp up even with a low quantization parameter
DVHH-1204	Camera preview displays a black screen when the HDMI output is changed within four seconds
DVHH-1214	Dolby Voice Room keeps rebooting when a new IP address is assigned during every boot up sequence
DVHH-1215	Dolby Voice Hub loses ethernet connection when a server is provisioned manually after a factory reset
DVHH-1225	The configuration of whiteboard corner positions should be read-only on the web user-interface
DVHH-1226	DNS queries incorrectly failed when one of two configured DNS was unreachable
DVHH-1243	If a Dolby Voice Hub application URL contains parameters, they are stripped when the Web App Engine loads the page
DVHH-1245	Low Bandwidth Estimation on the video Rx direction can sustain for long time during remote content sharing

Table 2: Fixes introduced in this release (continued)

Dolby Reference	Summary
DVHH-1247	In a large meeting, the person in the corner is not included in the frame
DVHH-1251	By default, the web application engine does not log anything
DVHH-1252	When receiving a stream from Dolby Voice Room, the jitter buffer size is large
DVHH-1253	The WebRTC audio rx audioOutputLevel and totalAudioEnergy are empty
DVHH-1256	During BlueJeans calls, AvailableReceiveBandwidth drops frequently
DVHH-1257	Occasionally, some Dolby Voice cameras have tearing issues
DVHH-1259	The configuration validation setting between Dolby Voice Room and Dolby Conference Phone is inconsistent for SIP digest password length
DVHH-1262	Improve the tracking of individuals entering a meeting
DVHH-1263	The SMART camera zooms in when a person looks away and zooms out when they turn back
DVHH-1264	codeImplementationName in ssrc (recv) statistics in webrtc-internals for rtc2 is incorrect
DVHH-1274 DVHH-1275	Fixed a crash with the Web App Engine during display configuration change
DVHH-1282	Invalid codec name in CodeImplementationName
DVHH-1315	Intermittent random video freezes under low packet loss condition
DVHH-1319	After splitting a call, the LED (red) does not flash for Line A when ending Line B
DVHH-1325	Dolby Voice Room cannot communicate with Dolby Conference Phone due to a stale configuration file for the Dolby Conference Phone
DVHH-1332	Erroneous logic in handling multiple peer connections causing inconsistent Peripheral Mode Audio object state, leading to bad user experience
DVHH-1355	Camera FPGA can get corrupted during the upgrade
DVHH-1364	Equifax Secure Certificate Authority expires in 10 days, plus other certificates expiring in less than six months
DVHH-1388	Improve the default configuration for the SSH server
DVHH-1392	Removed three vulnerable ciphers (TLS_RSA_WITH_3DES_EDE_CBC_SHA, TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA, TLS_ECDH_RSA_WITH_3DES_EDE_CBC_SHA)
DVHH-1396	Removed Equifax Secure Certificate Authority from the system
DVHH-1404	Dolby Conference Phone with SHA-2 factory installed certificate cannot pair with the Dolby Voice Hub
DVHH-1457	Forced Dolby Conference Phone to finish OOB automatically, if the OOB state is inconsistent between Dolby Conference Phone and the Dolby Voice Hub
DVHH-1615	Changed audio proxy port range to be not in the range of ephemeral port range to avoid occasional crash during boot up
DVHH-548	Dolby Voice Camera removes person out of frame when looking down
DVHH-568	In a three-person scene, the Dolby Voice Camera auto-framing takes one person out of frame
DVHH-627	Auto framing removes the person writing on a whiteboard out of the frame

Table 2: Fixes introduced in this release (continued)

Dolby Reference	Summary
DVHH-654	Attached Dolby Conference Phone is unable to boot up to OOB UI when proxy authentication credential is missing
DVHH-965	In detached mode, the Dolby Voice Hub comm service does not update the newly paired Dolby Conference Phone SIP information
DVHH-974	Smart camera input in PEOPLE mode unstable

4 Notes

Please refer to the configuration reference material in the Dolby Voice Room Administrator's Guide v2.0 for updated configuration parameters supporting new features.

5 Known Issues

Table 3: Known Issues present in this release

Dolby Reference	Summary	Significance/Impact	Workaround
DVHH-1109	User unable to login to Dolby Voice Room when administrative password has # and & in it.	N/A	N/A
DVHH-1471	CEC control does not work with the HDMI switch	N/A	N/A
DVHH-1479	Intermittently, Dual display (Samsung) on one of the TVs does not respond to Dolby Voice Room CEC command	N/A	N/A
DVHH-1488	CEC- Samsung TV switches to TV input when Dolby Voice Room sends suspend command	N/A	N/A
DVHH-1574	The TV input automatically switches to Dolby Voice Room after rebooting the system	N/A	N/A

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