



Dolby Voice Room

Release notes

2.0.4
25 February 2019

1 Introduction

This document provides information about the Dolby Voice Room 2.0.4 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
N/A	N/A

Table 2: Features introduced in release 2.0.3

Dolby Reference	Summary
N/A	N/A

Table 3: Features introduced in release 2.0.2

Dolby Reference	Summary
N/A	N/A

Table 4: Features introduced in release 2.0.1

Dolby Reference	Summary
DVHH-1672	Increased local storage quota to 100MB from 5MB

Table 5: Features introduced in the 2.0.0 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

Table 5: Features introduced in the 2.0.0 release (continued)

Dolby Reference	Summary
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
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 6: Fixes introduced in this release

Dolby Reference	Summary
DVHH-1846	Sometimes the Dolby Voice Room phone UI shows the "Reloading Application" screen when joining the meeting

Table 7: Fixes introduced in release 2.0.3

Dolby Reference	Summary
DVHH-1088	TV UI shows "Getting ready" screen for about 6 minutes when hub app is not reachable
DVHH-1109	User is unable to log in to the Dolby Voice Room when the administrative password includes # and &.
DVHH-1127	TV UI shows "Getting ready" screen for about 6 minutes when phone app is not reachable
DVHH-1479	Intermittently, dual display on one of the TVs does not respond to Dolby Voice Room CEC command
DVHH-1550	Power saving work hours feature may not be working correctly after the time zone change
DVHH-1605	Dolby Voice Room reports dns_status=FAIL_UNREACHABLE with Cloudflare DNS 1.1.1.1
DVHH-1629	TV UI may freeze completely while connecting or disconnecting displays (HDMI)
DVHH-1650	Dolby Voice Camera performance degraded significantly in low light condition
DVHH-1654	UI restarted during a BlueJeans call and the call was terminated
DVHH-1656	Dolby Voice Room system may freeze when display configuration changes
DVHH-1658	Suppress log message to avoid log flooding
DVHH-1678	TV should not turn on for WorkHoursStartTime if WorkHoursIdleTimeout and OffHoursIdleTimeout are disabled.
DVHH-1680	Do not update camera FPGA if the version matches
DVHH-1698	The web app recovery mechanism fails when chromium process is stuck/locked
DVHH-1710	When provisioning changes out-of-the-box URL, TV UI keeps showing Getting Ready even though BlueJeans app loaded on Dolby Conference Phone
DVHH-1727	New device failed to contact console.dolbyvoice.com, and loaded incorrect app after out-of-the-box setup was completed
DVHH-1729	isPlainHostName PAC function returns wrong result
DVHH-1732	Password validation is still following old scheme
DVHH-1734	A number of time zones are not available on the Dolby Voice Room
DVHH-1736	Custom port number is missing in provisioning server address
DVHH-1738	System sometimes reports incorrect HDMI input status after reboot
DVHH-1742	The Dolby Camera was not available during the call.
DVHH-1744	NTP server configuration file values should have precedence over DHCP supplied values

Table 7: Fixes introduced in release 2.0.3 (continued)

Dolby Reference	Summary
DVHH-1746	System reports expired default CA certificate
DVHH-1753	Increase maximum length allowed for Sip.Credential.Realm
DVHH-1764	IP-PBX call setup may fail when DNS refresh occurs during call setup
DVHH-1766	Dolby Voice Room crashes shortly after booting up
DVHH-1803	In some IPPBX environments incoming call failed when the call is forwarded to the Dolby Conference Phone
DVHH-1825	Dolby Conference Phone out-of-the-box setup shows 108 error code when DNS server is not reachable.

Table 8: Fixes introduced in release 2.0.3

Dolby Reference	Summary
DVHH-1747	System reports expired default CA certificate
DVHH-1754	Increase maximum length allowed for Sip.Credential.Realm
DVHH-1768	A number of time zones are not available on the DVR
DVHH-1771	Dolby Voice Room responds with SIP 400 for empty SIP INFO during a call causing the call to drop
DVHH-1778	Memory reset in the DNS response handling resulted in an exception, causing a crash
DVHH-1779	The Comm service asserts during a call attempt when the proxy set is empty due to a DNS refresh in-progress
DVHH-1805	Dolby Voice Room now supports incoming SIP messages of up to 6,000 bytes

Table 9: Fixes introduced in release 2.0.2

Dolby Reference	Summary
DVHH-1728	The PAC function, isPlainHostName returns the wrong result
DVHH-1731	After rebooting, the system sometimes reports the incorrect HDMI input status
DVHH-1741	The Dolby Camera was not available when the application started streaming and SCS automatically restarted to recover

Table 10: Fixes introduced in release 2.0.1

Dolby Reference	Summary
DVHH-1639	The Dolby Conference Phone bluetooth service randomly crashes in the Dolby Voice Room system
DVHH-1653	TV user interface may freeze completely during HDMI/display configuration change events
DVHH-1655	System freezes when the app geometry changes during the call
DVHH-1664	Suppress web app engine log message to avoid log flooding
DVHH-1676	Occasionally the SMART camera does not stream until after a system reboot
DVHH-1679	Do not update the camera FPGA if the version matches

Table 11: Fixes introduced in the 2.0.0 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
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	codecImplementationName in ssrc (recv) statistics in webrtc-internals for rtc2 is incorrect
DVHH-1274	Fixed a crash with the Web App Engine during display configuration change
DVHH-1275	Fixed a crash with the Web App Engine during display configuration change
DVHH-1282	Invalid codec name in CodecImplementationName
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

Table 11: Fixes introduced in the 2.0.0 release (continued)

Dolby Reference	Summary
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-1639	The Dolby Conference Phone bluetooth service randomly crashes in the Dolby Voice Room system
DVHH-1653	TV user interface may freeze completely during HDMI/display configuration change events
DVHH-1655	System freezes when the app geometry changes during the call
DVHH-1664	Suppress web app engine log message to avoid log flooding
DVHH-1676	Occasionally the SMART camera does not stream until after a system reboot
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
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 12: Known Issues present in this release

Dolby Reference	Summary	Significance/Impact	Workaround
N/A	N/A	N/A	N/A

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