

March 02, 2023

**BrightSign®**

# **BrightSign OS Release Notes**

Version 9.0.34

Affected devices:

Series 5

## Changes from 9.0.22 to 9.0.34:

### New Features

(Series 5) Seamless looping support

### Improvements

- OS-10546: (XD5/XC5) Added diagnostics for file descriptor leaks
- OS-13171: (Series 5) Enabled webcam drivers in kernel
- OS-13482: (XC5): Improved initialization of NodeJS switch
- OS-13514: (Series 5) Improved GPU memory usage
- OS-13523: (XC5) Improved frame timing of 30p content played at 60p
- OS-13587: (XD5) Added support for HDMI audio
- OS-13684: (XD5) Added ability to update firmware automatically
- OS-13686: (XD5) Tuned HDMI PHY settings
- OS-13721: (XD5) Improved security verification process
- OS-13832: (LS5) Added board identification support during manufacturing
- OS-13836: (LS5) Enabled USB test mode for compliance testing
- OS-13920: (XD5/HD5) Disabled debug clock control
- OS-13975: (XD5) Enabled full power on USB ports
- OS-14209: (Series 5): Added BLOB support for video playback
- OS-14232: (Series 5) Improved video transitions with HTML playlists
- OS-14248: (XC5) Added support for upgrading bootloader
- OS-14250: (XC5) Improved compositing performance by hiding primary plane
- OS-14268: (XD5) Improved boot reliability
- OS-14283: (XD5) Enabled Intel Bluetooth support
- OS-14285: (Series 5) Enable cursor support
- OS-14286: (XC5) Added support for additional video modes

OS-14317: (XC5, XD5) Improved manufacturing test scripts  
OS-14411: (XD5) Improved detection of eMMC clock during boot  
OS-14437: (XD5) Added additional manufacturing test support  
OS-14457: (Series 5) Improved performance by hiding video using opacity instead of moving offscreen  
OS-14570: (LS5) Added support for secure ID  
OS-14581: (XD5): Added non-interlaced video modes  
OS-14585: (XD5) Improved audio at certain frequencies  
OS-14599: (LS5, HD5, XD5): Enabled consolidation of OS builds  
OS-14611: (LS5) Added support for HDMI audio  
OS-14618: (XD5) Ensured that memory always runs in peak performance mode  
OS-14630: (LS5) Added support for Ethernet LED control for manufacturing test  
OS-14649: (XC5) Added fix to avoid file handle leak during video metrics reporting  
OS-14686: (Series 5) Fixed tearing during resizing of video playback  
OS-14705: (XC5, XD5) Improved AV sync and frame handling  
OS-14721: (Series 5) Allow all RTSP transports  
OS-14735: (XD5) Fixed boot issue by using common partition structure

## Bug Fixes

OS-13814: (XC5) Fixed issue with compressed audio output  
OS-13873: (XD5) Fixed issue with FW progress bar not appearing in some situations  
OS-14198: (XD5) Fixed issue with 4K signals on some monitors  
OS-14208: (Series 5) Fixed ticker frame latency  
OS-14278: (XC5) Fixed crash with HDR content  
OS-14280: (XC5) Fixed memory corruption bug during video playback  
OS-14288: (XC5) Fixed graphics plane issue with 2x2 video wall  
OS-14295: (XD5) Fixed issue with loud audio playback volume  
OS-14318: (XC5) Fixed kernel bug on exit from BrightSign application

OS-14337: (General) Fixed issue with H.264 over RTP  
OS-14408: (Series 5) Fixed Z-order problem which could cause missing widgets  
OS-14412: (Series 5) Fixed ticker visibility  
OS-14414: (XD5) Fixed SPDIF output issue  
OS-14419: (Series 5) Fixed HDMI passthrough issue with pre-routed audio  
OS-14422: (XC5) Fixed ticker location and sizing issue during graphics upscaling  
OS-14440: (XC5) Fixed HTML looping issue  
OS-14464: (XC5) Fixed mode lines for interlaced video formats  
OS-14564: (XD5) Fixed issue with pre-routed audio mode  
OS-14569: (Series 5) Fixed inverted compositing issue  
OS-14574: (LS5) Added support for latest Ethernet hardware configuration  
OS-14575: (LS5) Fixed issue with ALSA audio  
OS-14577: (XD5) Fixed rare issue with upgrade errors during manufacturing sequence  
OS-14579: (XD5) Fixed issue with screen artefacts from SPDIF  
OS-14589: (LS5) Fixed issue with H.265/HEVC playback  
OS-14601: (Series 5) Fixed issue with USB audio  
OS-14607: (XD5) Fixed USB port support for audio and serial  
OS-14617: (Series 5) Fixed corruption in some crash dumps  
OS-14644: (XC5) Fixed video playback issue with 3x1 portrait screen config  
OS-14650: (LS5) Fixed issue with Ethernet link LED  
OS-14668: (XD5) Ensured that default autorun is not run when there is no storage device  
OS-14672: (XD5) Fixed issue with SSD recognition  
OS-14675: (Series 5) Fixed drop-frame rate calculation  
OS-14719: (XD5) Fixed issue with 4K mode during startup with no HDMI connection  
OS-14723: (Series 5) Fixed audio playback issue

## Miscellaneous

OS-13160: (General) Added DHCPv6 DUID-EN

OS-14282: (XC5) Disabled HS200 in u-boot

OS-14300: (XC5) Added ability to update bootloader if necessary

OS-14417: (General) Updated bootstrap

OS-14418: (General) Updated supervisor and DWS

OS-14687: (XD5) Added unique CPU ID to distinguish units