



OS8.3 NOTES - CISCO

Version 8.3.22

AU3x5, XTx44, XDx34, HDx24, HS1x4, LS424, XTx43, XDx33, HDx23, HO523, HS123, LS423, 4Kx42

Changes Since 8.2.75

New Features

- OS-11724: Added `roAudioConfig.GetTimeBaseStatus()` to monitor phase errors.
- OS-11528: `@brightsign/htmlwidget` now supports typing to `javascriptInjection` API
- OS-11000: Added support for mixing audio outputs to AU3x5 Players.
- OS-11000: Added `@brightsign/audioconfiguration` for Node.js.
- OS-11773: `@brightsign/audio` now has JavaScript support for `x-bs-audio-mode`, allowing expansion of mono files to stereo output and mixdown control to the left/right channel.
- OS-11747: Added `roAudioPlayerMx` support for AU players.
- OS-11957: Added “`inspector-port`” to `htmlplay` parameters in the shell.
- OS-11957: Added “`htmlplay chronode`” to shell.
- OS-11957: Shell now supports “`node http://host/script.js`” and “`node inspect ...`”
- OS-11948: HTML playback now has decoder statistics for position update callback.
- OS-11951: Numerous additions and improvements to MSE VP9 video playback including:
 - Ensure media stream headers are initialized.
 - `ProxyPlaypump` now creates correct stream headers during construction.
 - `GetMediaResource` is now skipped.

- Improved thread safety.
- Ready state events are fired at better times.
- Implemented `WedMediaPlayerBrightsign::SetDuration`.
- OS-6589: Added server rate tracking to live HLS streaming, which can be reported via `GetStreamStatistics`.
- OS-11873: Added LAST: to autorun search path.
- OS-11503: `ifStreamReceive` now supports `roByteArray` instances.

Improvements

- OS-11517: Removed `StreamForceTs` option.
- OS-11784, 11823: Improved HDMI In and HDMI Audio In clock selection.
- OS-11747: Audio fade code for `VideoPlayerImpl` is now under `FadeController`.
- OS-10998: Timecode events are now controlled by `BasicAudioPlayer` instead of `VideoPlayerImpl`.
- OS-11948: HTML playback position period is now 200ms.
- OS-11995: Ignore failure to capture HDMI input window message.
- OS-12045: Added `GetStreamStatistics` from `roVideoPlayer` to `roAudioPlayer`.
- OS-12003: `IsHighResolution/Is4KResolution` has been re-implemented, and 3840x1200 is properly classified as “high” and not “4K”.
- OS-9059: Adjusted network tuning for streaming.

- OS-12174: Improved AudioRouting for compressed output.
- OS-10998: BasicAudioPlayer now supports BrightScript AddEvent and ClearEvents.
- OS-12206: Improved MSE audio file looping.
- OS-12079: Non-default SNMP community strings are now supported.
- OS-12084: MSE is now supported by default on Series 4 players.
- OS-12095: Removed support for 3DES cipher in SSH cryptographic settings.
- OS-12131: PTP offsetFromMaster now reports to scripts.
- OS-12123: Simultaneous MSE streams are now supported.
- OS-11898: PcrDebugFile now supports 50,000 lines.
- OS-11751: Improved HDMI encoding using the clock.

Bug Fixes

- OS-11787: Fixed HDMI_IN clock not setting successfully.
- OS-11905: Fixed BasicAudioPlayer sending EVENT_PLAYING on every Resume().
- OS-11931: Fixed crash that could occur when a callback would be sent after destruction.
- OS-12049: Fixed non-hwz video playback behaving unexpectedly.
- OS-11135: roVideoMode locking should work as expected.
- OS-11437: Fixed Safe Area text in a Scrolling Ticker expanding out of the region.

- OS-9733: Fixed bug where IPv6 would remain enabled after EUI-64 DAD fails.
- OS-11795: Fixed potential overflow in EDID parser.
- OS-11838: Fixed .m4a audio playback not behaving as expected.
- OS-11892: Fixed playback issues using ASF.
- OS-11987: Fixed audio dropout when switching playback above 1x.
- OS-12020: Fixed HLS live playback starting too soon.
- OS-12026: Fixed GStreamer retry timer behavior.
- OS-12086: Fixed bug that could cause AU3x5 player GPIOs to be placed in a strange state.
- OS-12097: Fixed bug that caused HTML videos to loop prematurely.
- OS-12103: CEA closed caption extended characters now display correctly.
- OS-12114: Fixed looping HTTP videos starting at a time other than 0 seconds.
- OS-12135: Fixed crash that would occur by over-allocating video decoders.
- OS-12146: Fixed arbitrary MAC address reporting for 4G modems.
- OS-12189: Fixed error trying to blend audio messages of different frequencies on AU3x5 players.
- OS-12207: Fixed missing ENDED events when playing AC3 on XDx34 and XTx44 players.
- OS-12218: Fixed crash from memory allocation failure during a screenshot.
- OS-11773: Fixed AU3x5 independent audio playback for stereo left and stereo right not functioning as expected.
- OS-12067: Fixed streaming sometimes having the incorrect EOS.

- OS-12240: Fixed a crash with EosOnPmtChange option when playing via HTTP.
- OS-12249: MSE now closes when load() is called a second time.
- OS-12660: Fixed crash that could occur if the HTML overlay-scrollbar registry setting is active.
- OS-12266: Fixed bug where WebRTC would confuse extmap and extmap-allow-mixed.
- OS-12273: Fixed HTTP end-of-stream events not being delivered.
- OS-12242: Fixed roAudioOutput.SetToneControl function not working as expected.
- OS-12282: Fixed HDMI in audio clocking.
- OS-11939: Fixed incorrect crash dumps.