

BrightSign®

FIRMWARE RELEASE NOTES

Version 6.2.63 (BrightSign XTx43, XDx33, HDx23, LS423)

Changes Since 6.2.45

End-User Notes

New Features

- (XTx43, XDx33) Support for the following video modes: 2048x1152x60p, 2560x1080x60p, 2560x1440x60p/30p, 2560x1600x60p, and 3440x1440x60p/50p/30p
- Support for streamed .wav audio files

Improvements

- Switching between MPEG-2 video streams is now much more responsive.
- The performance of the scrolling ticker has been improved. The improvements will be more noticeable on XDx32 and HDx22 models.
- Players no longer crash when attempting to play a stream with an unsupported protocol.
- (XTx43/XDx33) The performance of rotated/transposed HTML video has been improved.
- (HDx23, LS423) The render time for large numbers of graphics zones has been reduced.
- The "Please Insert Card" splash-screen instructions have been clarified.
- A player will now attempt to set its clock immediately upon connecting to a network.
- (XTx43) The Diagnostic Web Server now reports Type 2 PoE that has been negotiated over LLDP.

Bug Fixes

- Static Domain Name configurations are now applied to WiFi/3G connections.

- (HDx23, LS423) It's now possible to perform a firmware update from Rescue Mode via USB.
- (XT1143) Live Video (HDMI input) states now work with portrait-mode presentations.
- (XTx43, XDx33) 4096x2160 video modes now display correctly.
- (XTx43, XDx33) 10-bit 4K video modes at 75p now display correctly.
- (HDx23, LS423) The 1280x720x24p and 1280x720x23.976p video modes now work.
- (XT1143) 10-bit 4K video modes from the HDMI input now display correctly.
- (XT1143) Video from HDMI input now respects volume settings.
- (XT1143) HDMI input sources will now correctly downgrade to HDCP 1.x when playing HDCP 2.x video.
- (XTx43, XDx33) Players now recognize the Iguanaworks IR controller on startup.
- (HDx23, LS423) Inserting and removing a microSD card quickly no longer causes the player to crash.

Developer Notes

Improvements

- HTML `<video>` elements now support blob URL sources. This allows playback of files that are stored locally using FileAPI or IndexedDB.
- (HDx23, LS423) Models with a single video decoder are now better able to handle swapping among active HTML `<video>` elements.
- There is no longer a delay when playing a stream that contains DVB teletext.

- (XTx43, XDx33) The background color of a presentation is now reflected in an encode/stream of the display.
- (XTx43, XDx33) The H.264 video encoder has been improved to High profile with B-frames.
- You can now disable support for external storage devices (i.e. microSD and USB) by adding `internal_only : true` to the `storage` section of the registry.
- The `roDeviceInfo.HasFeature()` method now supports the "HEVC decode" parameter.

Bug Fixes

- Players no longer crash intermittently when playing `.ogg` video streams.
- (XTx43) The 1920x1200 video mode has been fixed.
- (HDx23, LS423) Players no longer encounter OOM errors when there are multiple HTML `<video>` elements in the DOM.
- (HDx23, LS423) Interlaced HTML video now displays at the correct size when HWZ mode is disabled. Note that playing interlaced video with HWZ mode disabled is not a recommended use case.
- (XTx43, XDx33) Streaming the display now works with 4K video modes.
- (XTx43, XDx33) The initial state of the graphics layer is now correctly represented in streams of the display.