

BrightSign®

FIRMWARE RELEASE NOTES

Version 6.1.76 (BrightSign LSx22, HDx20, AU320)

Changes Since 6.0.51

End-User Notes

New Features

- Support for storage devices with sizes up to 1TB

Improvements

- Search engines are no longer allowed to index the contents of an unsecured Diagnostic Web Server instance.
- The **Storage** tab of the Diagnostic Web Server now provides information about the SD card, including the vendor, speed class, and serial number.
- You can now use the Diagnostic Web Server to access any storage device connected to the player (not just the SD card)
- The **Log** page on the Diagnostic Web Server (DWS) now contains a link below the log output for saving crash dumps.

Bug Fixes

- Time-server configuration no longer fails if the specified URL for the NTP server contains a trailing slash (e.g. "ntp://time.brightsignnetwork.com/").

- TrueType fonts with negative vertical ink positions no longer appear clipped. If you're creating text fields using BrightAuthor, you will need to set the **Font Size** to **Fixed point size**, rather than **Automatic**, for this fix to work.
- DVB subtitles now display correctly.
- Multichannel AAC is supported again.
- Audio playback no longer fails with some .MOV videos that are generated on cameras.
- A player will no longer reboot if a display is hot-plugged via HDMI but does not offer EDID information.
- You can no longer set the video mode to 1366x768x60p, which is an unsupported resolution.
- The Logitech Wireless Presenter R400 works with BrightSign players again.
- Running Network Diagnostics from the Diagnostic Web Server no longer causes the player to crash.
- The **Remove Password** option on the Diagnostic Web Server can now be used to remove the default password.

Developer Notes

New Features

- Fade-in/fade-out support for *roVideoPlayer* and *roAudioPlayer* objects
- *roStreamQueue* object, which allows you to play a list of video files as if they are seamlessly looping
- *roRtspStream.SetMaxBitrate()* method

- *roNetworkDiscovery* object, which allows for zeroconf discovery among BrightSign players on a local network
- *roHttpServer.AddGetFromFolder()* method, which provides an easy way to serve up an index of files to clients
- Support for client HTTPS certificates via the *roUrlTransfer.SetClientCertificate()* method
- `SetCookie()`, `SetCookieFile()`, and `GetCookies()` methods for the *roUrlTransfer* object

Improvements

- The *roRtspStream* object is no longer required to play a video stream; streaming URLs can now be played directly using the *roVideoPlayer.PlayFile()* method, as shown in the following example:


```
v.PlayFile({url:"http://172.30.1.37/file.ts"})
```
- The *roVideoPlayer* object now generates event 30 (`MediaError_NotStarted`) when a video fails to start. For backwards compatibility, event 16 (`MediaError`) is generated as well.
- New `allow_seamless` parameter for *roVideoPlayer.SetLoopMode()* makes it possible to configure video playback to loop non-seamlessly in all cases, as shown in the following example:


```
v.SetLoopMode({enable:true,allow_seamless:false})
```
- The *roVideoMode.GetHdmiOutputStatus()* method now returns an "EOTF" entry, which specifies whether the video output is HDR or SDR.
- The *roVideoPlayer.GetStreamInfo()* method now returns the framerate of the current video.

- New `GetEvents()` method allows you to retrieve timecode events added to an *roVideoPlayer* or *roAudioPlayer* instance.
- New *roTouchScreen.SetMouseRotation()* method allows you to configure mouse inputs for different screen-rotation configurations.
- New *roKeyboard.IsPresent()* method allows you to determine if a keyboard is connected to the player.
- The *roUrlTransfer.AsyncMethod()* method now accepts the `output_object` parameter, which enables processing of a downloaded HTTP body before passing it to an object.
- A soft reboot on the player now causes a full power cycle for USB devices.
- The `ReadAsciiFile()` method no longer attempts to read files larger than 8MB in order to prevent OOM crashes.
- New *roNetworkConfiguration.GetRecoveryUrl()* method allows you to retrieve the current recovery URL stored in the registry (which can be set via a script or DHCP Option 43).
- PTP packets are now marked as DSCP EF (46).

Bug Fixes

- The *roVideoPlayer.PreloadFile()* method once again sets all videos to wait at the first frame for playback.
- Enhanced Synchronization (BrightWall) now uses the first PTS value in a video file, rather than the PCR value. This fixes synchronization issues that occurred with some video files.
- A player with its video mode set to "auto" will no longer reboot if a display is hot-plugged via HDMI but does not offer EDID information.

- The Diagnostic Web Server now appropriately sets the TTL when querying remote PTP servers.