

**BrightSign®**

# FIRMWARE RELEASE NOTES

Version 4.8.114 (BrightSign XD230, XD1030, XD1230)

## Updating your BrightSign Software

1. Click the **Download Now** button below the model number that corresponds to your BrightSign player.  
**Note:** *HD and XD firmware versions are sometimes designated with the same number, but they are still different files. Make sure to download the update file that corresponds to the model number of your BrightSign player.*
2. Unzip the downloaded file and copy the `.bsfw` file to the root directory of your SD card.
3. Insert the SD card into your BrightSign player.
4. Power on the BrightSign player.
5. Ensure that the yellow update LED is blinking during the update process. Once the player has finished updating, it will automatically delete the `.bsfw` file from the SD card and reboot.

## Changes Since 4.8.108

### Note

Unless marked by a ✓ symbol, new features listed in these release notes are not available in the current beta or release version of BrightAuthor and can only be utilized with custom scripts. A feature may become available through BrightAuthor at a later date. Please use the latest version of BrightAuthor and read the release notes for all new features and functionality.

### New Features

- ✓ Support for the Lumio Crystal Touch firmware up to version 02.04.22.01 (used by the Planar PS4660T multi-touch screen)

- New *roKeyboard.SetLayout()* method, which allows you to change the keyboard layout to many non-English configurations

## Bug Fixes

- Among synchronized players, the sync master player is now always set as the PTP master as well. This fixes playback issues (such as video freezing on the master player or video stuttering on sync slaves) that occur when a slave player become the PTP master.
- An HTML page that includes an MP4 stream with seeking capabilities no longer operates slowly or causes the player to crash.
- Exiting an HTML state at a certain moment (right after "sourceChangedCallback" prints a message) no longer causes the player to crash.
- RTSP streaming now works when the server initializes with a connection address of 0.0.0.0.
- Players now respect the Content-Base field contained in the DESCRIBE response from an RTSP streaming server.

## Improvements

- HDMI input now supports video rotation (via the *roVideoPlayer.SetTransform()* method).
- BrightScript no longer allows an interlaced video to be rotated 90 or 270 degrees with the *roVideoPlayer.SetTransform()* method. Interlaced video can still be rotated 180 degrees.

- There have been further improvements to HTML JavaScript garbage collection, resulting in better long-term performance with fewer crashes.
- Creating an HTML canvas that exceeds the maximum display area (1920x1080) no longer causes the player to crash.
- An Audio Stream state no longer stops completely if the data rate of the stream falls below a certain amount. Playback will still stop if the data rate is low enough or falls to zero.
- HTTP addresses for audio/video streams no longer require a trailing slash to work.