



FIRMWARE RELEASE NOTES

Version 6.2.94 (BrightSign XTx43, XDx33, HDx23, LS423)

Changes Since 6.2.63.2

End-User Notes

New Features

- Support for the exFAT file system
- Support for the EIZO DuraVision FDF2121WT touchscreen

Improvements

- Like earlier models, Series 3 models now light the busy (**Bsy**) LED during successful boot initialization.
- Buttons in the **Control** tab of the Diagnostic Web Server (DWS) now have descriptions.

Bug Fixes

- (XTx43, XDx33) HTML 4K video playback no longer fails when it is preceded by dual HD video decode.
- A scrolling ticker will no longer repeat the last item from a Live Data feed.
- Playback no longer drops the last few frames from the end of an RTSP stream.

Developer Notes

New Features

- Node.js support
- Support for the PEAPv0/MSCHAPv2 wireless protocol

Improvements

- The properties of an *roHtmlWidget* object can now be configured at initialization with an *roAssociativeArray*.
- HTML pages now support HLS streaming playback.
- New *BSVideoMode.SetPowerSave()* method allows you to send compatible monitors into standby mode via JavaScript.
- The *roHtmlWidget.SetWebDatabaseQuota()* method can now accept values greater than `0xffffffff`. It can also accept either a string or an integer.
- Setting the `src` of a `<video>` element to an empty string now releases the video decoder from that element.
- Output from `console.log` is now passed to the console in Web Inspector.
- The *roNetworkConfiguration* object offers the following new methods: `SetDNSServers()`, `ResetInterfaceSettings()`, and `ResetHostSettings()`.
- New *roNetworkConfiguration.SetMtu()* method allows you to set the maximum transmission unit (MTU) for the network interface. Note that the *roNetworkConfiguration.GetCurrentConfig()* method currently does not return the MTU setting.
- The *roTCPStream* object now supports connecting to IPv6 addresses.
- It's now possible to view kernel output via Telnet.

Bug Fixes

- Calling `ForceGPURasterization(false)` on an *roHtmlWidget* instance now correctly disables GPU rasterization.
- Adding too many strings to a *BSTicker* instance (64 or more, depending on the length of the strings) now results in a 0 (`false`) return, rather than a crash.
- Attempting to access the JavaScript date/time using a worker thread no longer causes the player to crash.
- Using the `autoplay` attribute with HTML `<video>` elements no longer causes resizing issues with the HTML widget rectangle.
- Creating and destroying large numbers of HTML `<video>` elements no longer causes black frames to be displayed before the videos start.
- The *roBtManager* object now accepts the `tx_power` value for Eddystone-URL beacons.
- The *roMediaStreamer* object now generates an end-of-stream event when a local file finishes streaming.
- The *roNetworkConfiguration.GetCurrentConfig()* method now continually updates the `wifi_signal` parameter after the initial measurement.
- The timeout for IPv4 link-local addresses has been changed back to 30 seconds (the same as on firmware 6.0.x).
- The *roSnmpAgent* object now correctly sets custom OIDs.