

## **BrightSign HD110/HD210/HD410/HD810/HD1010 ("Compact") Software Version 3.2.67**

February 19, 2010

This release includes bug fixes and performance improvements.

### **Bug Fixes & Improvements**

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- Added Support for Acer T230H Touch screens
- Added new roTextWidget for simple widgets that only contain one string at a time
- Fixed: Playing an elementary stream while using same output works properly
- Fixed: Background images in a strangely-sized video zone now work correctly
- Fixed: LG touch screen now work correctly
- Fixed: roTextWidget now handles whitespace at the end of a string properly

### **Previous Firmware 3.2.65**

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- Improved quality of scaling for background images displayed on the video layer
- Improved playback of low bit-rate program streams
- Updated default-autorun to better handle errors when playing an image, video, or audio file
- Fixed: roVideoPlayer.AddEvent works with videos not starting with time code of zero.
- Fixed: Clock foreground color displays correctly when there is a background image
- Fixed: USB ETAP now works correctly
- Fixed: BrightScript files (roCreateFile) are correctly flushed when they are closed.

### **Previous Firmware 3.2.61**

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- Touch screens - Added Support HP Quanta Touch screens
- Improved support for improperly encoded videos
- Various improvements to preloading video to better support synchronization
- Fixed: All MP3s now play correctly through USB/Expander
- Fixed: All MP3s now correctly generate end events
- Fixed: VGA modes now selected correctly on all VGA monitors
- Miscellaneous improvements to reliability and stability

### **Previous Firmware 3.2.53**

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- USB Expansion Module – firmware update v0.0.12 (automatically upgrades any connected Expanders at boot.)
- Improved playback of multiple audio tracks
- Improved video playback performance, including better handling of improperly terminated transport streams
- Fixed: Mouse cursor now appears consistently
- Fixed: Videos using 3:2 pull down now playback properly
- Fixed: AC3 audio no longer be treated as PCM by some TVs
- Miscellaneous improvements to Touchscreen support, including calibration
- Miscellaneous improvements to default Autorun script in memory
- Miscellaneous improvements to system stability

## Previous Firmware 3.2.40

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- **USB Expansion Module** – Added support for USB Expansion Module
- **Multiple Audio Streams** – Supports multiple audio streams at the same time; supports two audio when playing video with audio (1 video, plus 1 additional audio); supports three audio streams separately, or when playing video with no audio.
- **Video Resolutions** – Added support 1280x768 and 1280x800
- **Font Update** – Added support for more font character sets

## Bug Fixes & Improvements

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- Improved Touchscreen compatibility and performance
- Improved Video Mode detection when using AutoMode
- Improved startup time for videos
- Improved Audio and Video performance including:
  - Improved video preload performance
  - Faster video startup times
  - Better handling of improperly encoded files
  - Better support for mp3 audio in transport streams
- Improved Image playback performance
- Improved network reliability
- Fixed: The clock widget is now centered vertically within its rectangle
- Fixed: Correct position for various 1920x1080 resolutions
- Fixed: Removed excessive delay transitioning from Video to Image
- Miscellaneous improvements providing better performance and reliability

## Previous Firmware 3.1.73

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- **Multi-screen Playback** – New Image and Video Player functions support Video walls, displaying one image or video across multiple screens; Supports displaying one region of an Image or Video full-screen.
- **Synchronization Update** – New Video Player PreloadFile() and Play() functions for faster start and improved synchronization. Click here to download updated sync scripts at [www.brightsign.biz/downloads/synchronize.zip](http://www.brightsign.biz/downloads/synchronize.zip).
- **Touchscreen Calibration** – Added support for Touchscreen Calibration script, available at [www.brightsign.biz/downloads/calibrate.zip](http://www.brightsign.biz/downloads/calibrate.zip).
- **3M Touchscreen Support** – Added support 3M USB touch screens that don't support HID drivers.
- **Program Stream Looping** – Added support for seamless looping (no audio)
- **RSS / Text Language Update** - Support for Central European, Eastern European, Cyrillic and Greek character sets

## Bug Fixes & Improvements

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- Improved startup time for Program streams
- Improved image preload performance
- Improved GPIO performance to prevent phantom button presses

- Improved JPEG performance
- Improved HDMI start up to reduce "no signal" errors
- Improved AC3 playback
- Fixed: Correct vsync polarity used for 1360x768x60p
- Fixed: Rotated text now displays properly
- Fixed: Configuring a static IP address while Ethernet is disconnected no longer causes an error message when Ethernet is connected
- Fixed: Autorun.zip files now work properly
- Miscellaneous improvements logging and debug improvements

## **Previous Firmware 3.1.46**

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- **MPEG-2 Program Streams** – Added Program Stream support (.mpg and .vob)
- **MPEG-1 System Streams** – Added System Stream support
- **H.264 (MPEG-4)** – Added support for Transport Streams (.ts)
- **Live Video input** - Play video full screen or in a window using the Live Video Module. Now available at Brightsign Store!
- **USB Mouse Support enabled**
- **IR Remote Control Enabled** – Using the IguanaWorks USB InfraRed Transceiver (receive only). See <http://iguanaworks.net/product1.psp>.
- **Portrait Text & RSS, and More** – Supports changing alignment and orientation. Rotate 90, 180, or 270 degrees, and align Left, Right, and Center.
- **Background Image** – Added support for a full screen background image, allowing you to display multiple image, text, rss, and clock zones over a static background.
- **Clock Widget update** – The clock now displays 88:88 if it hasn't been set
- **Configurable NTP** – You can configure the NTP (Network Time Protocol) server.
- **Network Crash Reporting** – Sends device info back to Brightsign servers if the unit crashes and reboots. This can be configured or disabled in the registry.

## **Bug Fixes & Improvements**

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- Updated Autorun.brs – Added support for new features, misc fixes
  - Added support for Text/RSS alignment and orientation
  - Added support for .mpg and .vob extensions for MPEG Program Streams
  - Fixed issue where GPIOOn and Elo keywords didn't work properly
  - Fixed issue where Multi-State csv files didn't work properly
- Improved Video Quality & Playback
- Improved support for MP3 audio in videos
- Improved support for AC3 audio pass-through
- Improved autoplay and recovery to maximize uptime
- Fixed: 1080p content plays correctly on VGA modes other than 1360 x 768
- Fixed: Explode transitions now work correctly for small images
- Fixed: Audio over HDMI at 1360x768 now works properly
- Fixed: Transitions now apply properly to large images
- Fixed: GMT+/- time zones now work properly
- Fixed: The model number no longer appears with custom splash screens
- Fixed: Mouse cursor always displays properly

- Miscellaneous fixes in default autoplay script

## Previous Firmware Version 3.0

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- **Built-In Autoplay Script** – The autorun file is now included in memory. Just copy your files, playlist, interactive playlist, or schedule to your SD card. There's no need to copy autorun.brs file to the flash card.
- **Automatic Playback** – No need for a playlist to playback your files. Just copy your audio, image, and video files to the SD card, and they'll play in alphabetical order.
- **Auto Video Mode** – Brightsign will automatically set the video mode to the best resolution supported by the Brightsign and the attached display.
- **Full HD Quality** – 1080p over HDMI
- **New Interactive Playlist features** – more interactivity without the need for custom script
  - Network Control – send and receive UDP commands
  - Serial Control – send and receive serial commands
  - Keyboard input – accept input from usb keyboard or barcode scanner
  - Remote input – accept input from IR remote (IR input not yet available)
- **Custom autorun.brs** – The autorun file is included in memory. You can replace it with your own custom script or a modified version of the existing autorun.brs.