AV Bridge Interface

Current Release

AV Bridge 2.2.0
December 16, 2019

New Features

- If you restore factory defaults, the device now requires an initial setup step to make the administrative controls and other functionality available. In this initial step, you must set the admin password. This is also required for initial access to AV Bridge devices that ship with this version of firmware. See Initial Set-Up Procedure. After completing the initial setup, you can access the administrative interface. At this time, setting the admin password is the only task in the initial setup procedure.

Improvements

- Some customers reported that the IP streaming URL could not be cut and pasted from the web interface if using Firefox. This has been fixed.

Release History

AV Bridge 2.1.4
March 9, 2018

New Features

- The administrator now has the ability to lock and unlock the front panel control via the System page of the web interface.

AV Bridge 2.1.3
January 25, 2016

Improvements

- Changes made to improve manufacturability.

AV Bridge 2.1.2
May 15, 2015

Improvements

- Enhanced ability for HDMI input to auto-detect a variety of HDMI devices including Vaddio RoboSHOT HDMI camera
- Improved color space detection to reduce occurrences of incorrect auto-detection.

AV Bridge 2.1.1
September 9, 2014

Improvements

- Corrected HDMI timing compatibility issue with the Sony SRG 120/300 cameras that prevented video from syncing properly with the AV Bridge.
- Added 1080p/24 to HDMI EDID table.

AV Bridge 2.1.0

December 12, 2013

New Features

- Added video mute pattern. You can now choose between a black screen or color bars to be displayed when the Video Mute is enabled. The administrator can change this setting in the web interface.
- An administrator can now set a unique name for the AV Bridge for USB recognition.
- Added HID audio configuration option to allow the administrator to enable/disable USB HID controls for the audio input gain settings.

Improvements

- Optimized downscaler for SD resolutions requested over USB.
- Expanded HDMI EDID table to support a wider range of devices. 1080p is now set as the preferred resolution during the negotiation.
- Users can now select between IP or USB streaming via the front panel.

AV Bridge 2.0.2

November 20, 2013

Improvements

- Solved issue with Mac OS 10.8.X and 10.9 Compatibility (Mountain Lion and Maverick) where video could stop or freeze when an application requested a video resolution change.
- Fixed a bug with the HID audio mute control where the microphone's mute state can randomly change during operation due to a USB handshake issue when exiting sleep mode or on first connection to specific models of PC. Fix was implemented to retain the local mute state on the bridge when this occurs.

AV Bridge 2.0.1

August 26, 2013

Improvements

- Changes made to improve manufacturability.

AV Bridge 2.0.0

July 10, 2013

New Features

- IP streaming is now enabled and configurable in the web interface, or with a serial or Telnet command.
- Adminstrators can now add an audio delay.

Improvements

- Increased color space range for USB streaming.
- Improved capture resolution on the HDMI and RGBHV inputs to create sharper image.
- Corrected issue of audio lag in the video stream.

AV Bridge 1.2.0
March 4, 2013

New Features

- USB color space is now configurable between 4:2:0 or 4:2:2

Improvements

- Increased interoperability with various UC scotware clients with additional USB resolution support.
- Additional RGBHV resolutions added to better support a wiser-range of PC video cards.
- Additional DVI resolutions added.
- Improved RGBHV alignment.
- Improved audio and video sync.
- Improved VU Meter on the front display to better represent audio levels coming in.

Notes

- Once 1.2.0 is loaded, firmware cannot be rolled back to versions previous to 1.2.0.

Initial Set-Up Procedure

Recent security improvements to this product have changed the way you set it up for the first time.

What's new
- You must set the admin password using the web interface. Until the admin password is set and any other initial tasks are completed, the control and administrative interfaces are not available.
- You will not be able to open a Telnet session to this product until you set the password using the web interface.
- You will not be able to open a session over the RS-232 connection until you set the admin password using the web interface.
- You will need to set the admin password again if you restore factory defaults.

Refer to the product's manual for specific instructions to discover its IP address and access its web interface.

Device set-up

The first time the product's web interface is accessed, it presents a dialog box to set the password. This page warns that the connection is not secure because the device does not support HTTPS.

You will also encounter this page after restoring factory defaults. After you complete the initial set-up, you will be able to work with the product.

Create and confirm the admin password, and complete any other required tasks such as accepting agreements. Then select Submit. The main administrative web interface opens.
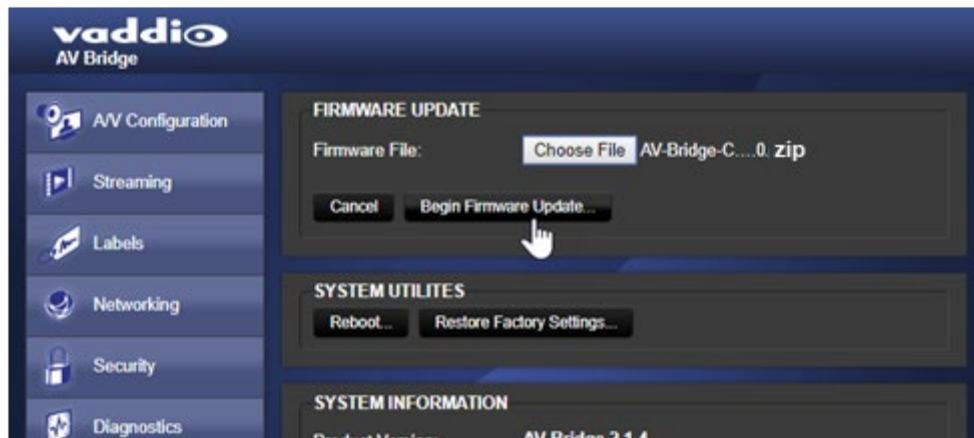
Firmware Update Instructions – AV Bridge

Requirements

- Network access to the AV Bridge.
- The web interface's admin password.
- The .zip firmware file for the AV Bridge – download this from https://www.legrandav.com/. It is available on the product page's Resources tab. Do not unzip the file.
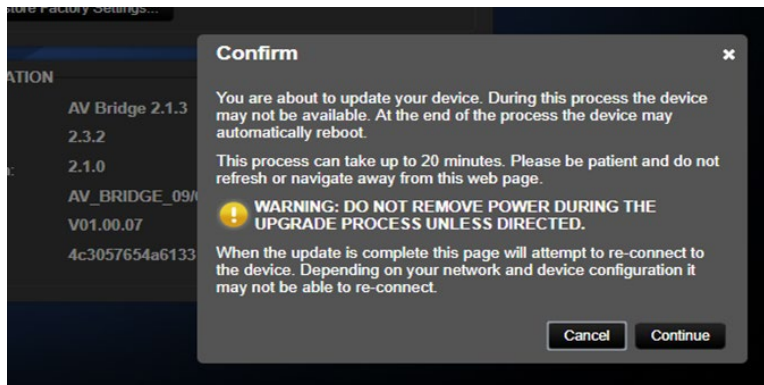
Step-By-Step Process

Note: The web interface may display different model and firmware information from the screen shots in this document.

1. Enter the IP address for the AV Bridge into the address bar of a web browser. You can obtain the IP address for the AV Bridge from the front panel menu under Network Settings.
2. Log in to the AV Bridge web interface.
3. Navigate to the Systems page. The device's System page may present different information than shown in the screen shot.
4. Select Choose File, then browse to the downloaded firmware and select it. The filename ends with .zip. Do not unzip the file.
5. Select Begin Firmware Update.

6. Read and understand the information in the Confirm dialog box. It's dull, but it could save you some time and aggravation.

7. Select Continue to start the update.

Caution
The AV Bridge must remain connected to power and to the network during the update. Interrupting the update could make the device unusable.

This update can take up to 15 minutes; the pop-up message window will identify progress of update and when it is completed. After the update is complete, the System page displays the new version under System Information. The system version can also be verified on the front panel LCD display.

While you're waiting, you could try the following:

- Think about how to prove or disprove the claim that no two snowflakes are alike.
- Make a list of movie and book titles containing the word "bridge." How many can you think of?
- Birds sing at dawn, right? So, thanks to the rotation of the Earth, there's a wave of birdsong eternally circling the globe. How delightful is that?

After the update is complete, the System page will display the new firmware version under System Information. Enjoy that 'New Firmware Smell'!

If the update procedure is interrupted for any reason the product may need to be returned to Vaddio for updating. If the update does not seem to run, DO NOT TURN OFF THE PRODUCT OR UNPLUG IT. CALL TECH SUPPORT IMMEDIATELY.

If you have any questions, call Vaddio Technical Support: (+1) 763-971-4428 or 1-800-572-2011

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