

Release Notes and Update Instructions

OneLINK Bridge AV Interface

Current Release

OneLINK Bridge and OneLINK Bridge Express 1.6.1

May 30, 2022

Improvements

- Importing a configuration did not restore audio settings correctly. This has been fixed.
- Various audio settings could revert to factory default values during a firmware update. This has been fixed.

Note

Vaddio recommends updating all OneLINK Bridge and OneLINK Bridge Express devices to version 1.6.1 immediately. For devices using version 1.5.1 or earlier, do not update to version 1.6.0; use 1.6.1.

Release History

OneLINK Bridge Express 1.6.0

March 10, 2022

Note

- Initial release.

OneLINK Bridge 1.6.0

March 10, 2022

New Features

- The System page now provides Auto Standby controls to manage standby behavior for the connected Vaddio HDBaseT camera. These controls are on the General tab. Auto Standby is disabled by default. Options are to place the camera in standby mode either when no conference is in progress (On Inactive USB Stream) or when the USB cable is disconnected (On USB Disconnect).
- Added the command `streaming settings get` to the serial API. This command returns USB streaming settings.

Improvements

- Improved USB interoperability with macOS systems.
- Improved USB enumeration behavior.
- In some situations, the connected speakers could make a popping sound on joining or disconnecting from a call. This has been fixed.
- Some of the settings for connected cameras could be lost on power cycle, reboot, or return from standby. This has been fixed.
- When the image flip setting on a connected camera changed, UVC controls did not set absolute position properly until the camera was rebooted. This has been fixed.
- On DHCP-enabled devices, it was possible to have more than one gateway address listed. This has been fixed.

Notes

- The Auto Standby settings are not compatible with cameras that connect through an EZPower Interface Module (EZIM).
- For Auto Standby to work with a compatible camera, the Enable UVC Extensions setting on the Streaming page must be selected.

OneLINK Bridge 1.5.1

September 23, 2020

Improvement

- In some cases, the device could require a reset to factory defaults after updating from a significantly older version of firmware. This has been fixed.

OneLINK Bridge 1.5.0

August 26, 2020

Improvements

- We have placed a link to the company's standard privacy notice on this product's Help page. This product does not record or save audio or video files, and it does not store any identifying information other than what you may choose to enter on the Room Labels page of the web interface. However, the device's IP address is considered "personally identifiable information" for the purposes of the privacy notice. This information is stored for display to the user, but not otherwise shared or transmitted.
- Improved USB enumeration behavior.

OneLINK Bridge 1.4.0

July 13, 2020

Improvements

- Improved help text for some serial commands.
- Enhanced compatibility with the new Vaddio Device Controller.
- In some cases, firmware updates could fail. This has been fixed.
- In some cases, the web interface could display the mute state of individual inputs or outputs inaccurately. This has been fixed.
- Occasionally, pressing one of the buttons caused the OneLINK Bridge to respond as if a different button had been pressed. This has been fixed.
- Under certain circumstances, using UVC (USB video) controls to move the connected camera could cause the UAC (USB audio) controls to stop working. This has been fixed.
- Dependencies between auto mic mixing and the AEC reference channel did not behave as expected in the audio matrix. This has been fixed.

- After updating firmware, the Telnet enabled/disabled status shown in the web interface could become out of sync with device behavior. This has been fixed.
- In some cases, phantom power settings were not set correctly when importing a configuration that had been exported using an earlier firmware version.

OneLINK Bridge 1.3.0

December 20, 2019

New Features

- If you restore factory defaults, the OneLINK 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 OneLINK devices that ship with this version of firmware. See [Initial Set-Up Procedure](#). After completing the initial setup, you have the option of enabling features that are now disabled by default. At this time, setting the admin password is the only task in the initial setup procedure.
- Preliminary support for far-end access to camera presets in certain soft conferencing clients.
- OneLINK Bridge factory default settings can now be restored by pressing and holding the Display IP Address button while rebooting the device.
- Added support for long press right-clicking on iOS devices.
- When static IP addressing is selected, the administrator can specify a DNS server.
- Echo cancellation can now be enabled and disabled via Telnet command:

```
audio { line_in_1 | line_in_2 } echo-cancel { get | on | off | toggle}
```

Improvements

- Security improvements include changes to the default settings for:
 - HTTP access is disabled. To connect using HTTPS, type `https://` followed by the IP address. Because Vaddio uses self-signed certificates, your browser will present warning messages indicating that you are trying to access an unsafe website; however, this is a secure connection to the OneLINK device and traffic will be encrypted.
 - Telnet access is disabled.
- Disabled TLS v1.1 protocol. More recent protocols continue to be supported.
- The Telnet command `network settings get` now includes the OneLINK device's hostname in the information it returns.
- Telnet commands to set hostnames and other user-definable strings now accept hyphens.
- In the admin web interface, some settings have moved from the DIP Switches tab to other tabs of the System page.
- The default setting for UVC mode has been changed to Client Custom for better out-of-the-box compatibility with major soft conferencing clients. This does not change the OneLINK device's stored settings; however, if you need to restore factory defaults, you may need to change this setting afterward.
- Exporting data to an Android device now works properly.
- In some situations, UVC control did not perform as expected unless a network connection was available.
- In certain situations, the OneLINK device passed RS-232 communication at the rate it was received, rather than enforcing the baud rate set in the web interface.
- In some cases, the web interface did not load properly if the computer had recently accessed another Vaddio device at the same IP address. This has been fixed.
- Occasionally, the OneLINK Bridge could lose its HDBaseT connection to the camera if the camera remained in standby for extended periods. This has been fixed.
- Disconnecting the OneLINK cable from a camera and connecting it to a OneLINK EZIM without removing power to the OneLINK Bridge could result in flickering video in the USB stream and on the SDI output. This has been fixed.

Note

- Cameras connected to OneLINK devices may also need a firmware update to continue to accept IP control.

OneLINK Bridge 1.2.0

November 9, 2018

New Features

- Added UVC control support for Vaddio native HDBT Cameras to enable far-end control when used with some 3rd Party soft codec clients like Zoom that support UVC standards.thing.

Improvements

- Added display of OneLINK connection status and far-end camera IP address for Vaddio native HDBT cameras to the web UI.
- Added USB stream active/inactive notifications to the web UI.
- Enabled DNS-SD device discovery, controllable as a toggle in the security page of the web UI.
- Enabled HDMI video feed between Cisco Precision 12x cameras and Cisco SX20 units running newer CE series firmware.
- Fix for USB playback audio sometimes halting when USB record streaming is stopped.

OneLINK Bridge v1.1.2

July 24, 2018

Improvements

- Miscellaneous internal code improvements.

OneLINK Bridge 1.1.1

June 28, 2018

New Features

- Security features include:
 - Added ability to disable the telnet server on the device.
 - Added ability to disable the HTTP server on the device. When this is disabled, HTTPS must be used to connect to the web UI.
 - Added ability to configure HTTPS certificates from the web UI.

Improvements

- Security improvements include:
 - Improved internal firewall settings.
 - Disabled TLS v1.0 protocol.
- Control/configuration updates include:
 - Added tooltips to the main navigation bar in the web UI when it's collapsed.
 - Added support via Telnet control commands to request current temperature readings from a connected OneLINK Bridge device.
 - Added ability to toggle auto mic mixer inputs in the web UI.
 - Improved readability for Telnet control error messages.
 - Updated system time zone data.
 - Enable import of configuration exported from previous versions of software.
 - Enable some user settings to persist across page refreshes in the web UI.
 - Removed "sleep" Telnet control command
 - Master mute state is now reflected in the per-channel mute states on the web and via Telnet control.
 - Interoperability improvements with Internet Explorer® 9 through IE11.
 - Various other minor updates
- Functional improvements and updates include:
 - Added support for Level B SDI audio and video.
 - Added support for passing video and audio from an HDCP-protected source via HDMI.
 - Improved handling of video input when external source changes feeds.
 - Improved several items relating to increased HDBaseT performance.
 - Interoperability improvement for USB streaming with Windows® 10
 - Various other minor updates

OneLINK Bridge 1.0.1

August 9, 2017

Note

- Initial release.

Initial Set-Up Procedure

If you are updating from version 1.2.0 or earlier, you will need to set a password for the `admin` account immediately after completing the update. You may also need to change the security settings, as the default settings have changed.

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

To access the web interface, type `https://` followed by the IP address.

Before the product is configured, HTTP access is disabled. It can be re-enabled after you set the admin password.

Expect a security warning from your browser. The certificate (the product's website security credential) is self-signed rather than being issued by an external certificate authority.

Different browsers will respond with different messages and options. Your browser will probably present a message indicating one of these things:

- The connection is not private
- The site is not secure
- The site is not trusted
- The site poses a security threat

Despite the security warning, the HTTPS connection is secure and traffic is encrypted.

To proceed to the product's web interface, you will need to make the selections that your browser's security message discourages. The security warning page may present an option to learn more, view details, or go to the "Advanced" page. When you select the applicable option, your browser provides a button or link to continue to the IP address you entered, with a reminder that it may be unsafe. Select this option.

After you have accessed the product's web interface once, your browser may remember its IP address and not present the security message again.

Set the admin password. If there are other tasks on the page (such as reading and accepting policies and agreements), complete them also.

Note: This page includes a link to the company's standard privacy policy. This product does not record or save audio or video files, and it does not store any identifying information other than what you may choose to enter on the Room Labels page of the web interface. However, the device's IP address is considered "personally identifiable information" for the purposes of the privacy policy.

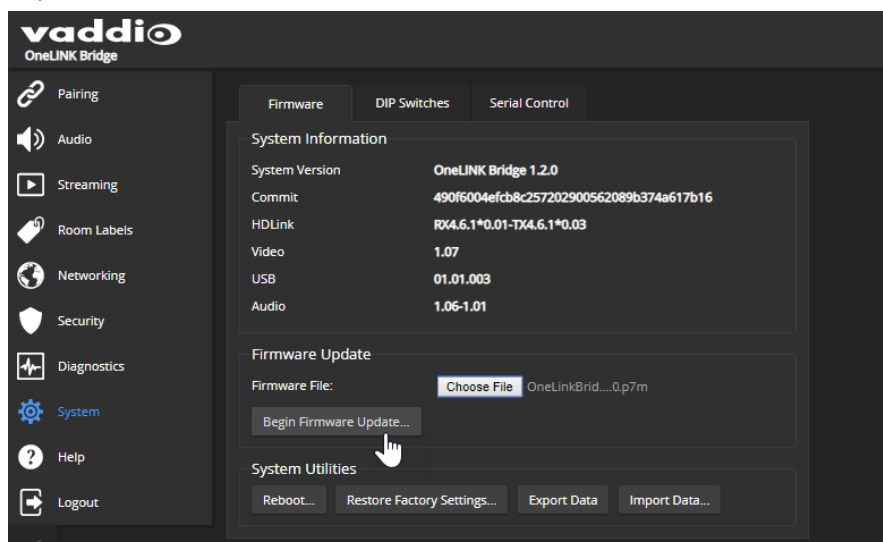
Firmware Update Instructions – OneLINK Bridge

The process for updating firmware is the same for virtually all Vaddio products. *Your device's web interface may display different information from the screen shot in this procedure.*

Caution

The device must remain connected to power and to the network during the update. Interrupting the update could make the device unusable. If the update does not run, DO NOT DISCONNECT POWER.
Call Vaddio Tech Support immediately: +1 763-971-4400 or 800-572-2011.

1. Download the firmware file if you have not done so already.
2. Access the device's web interface and log in as `admin`.
3. On the System page, select Choose File and select the file you downloaded. Then select Begin Firmware Update.



4. Read the Confirm dialog box, then select Continue. You will be prompted to log in again when the process is complete.

This update can take up to 5 minutes to complete. While you're waiting, you could try the following:

- How many anagrams of "OneLINK Bridge" can you make?
- Ponder why children ask for puppies but not armadillos.
- Calculate how many tennis balls it would take to fill a city bus.

After the update is complete, the System page will display the new firmware version under System Information. Enjoy that new-firmware smell!

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