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Firmware Release Notes

This release is intended for the following WAVE Control Series Panels:

- WAVE Control Series CP-44
- WAVE Control Series CP-78

- WAVE Control Series CP-84L
- WAVE Control Series CP-42L

You can update your WAVE Control Series Panels by downloading the new Update firmware by going to the **Support>Firmware** link at www.cobaltdigital.com (Firmware | Audio/Video Production Products | Cobalt Digital).

Refer to the **Firmware Update Instructions**, which provides instructions for downloading the latest firmware for your control panel onto your computer and then uploading it to your controller through DashBoard™.

The following table lists released software versions and describes the corresponding functions additions, improvements and/or corrections.

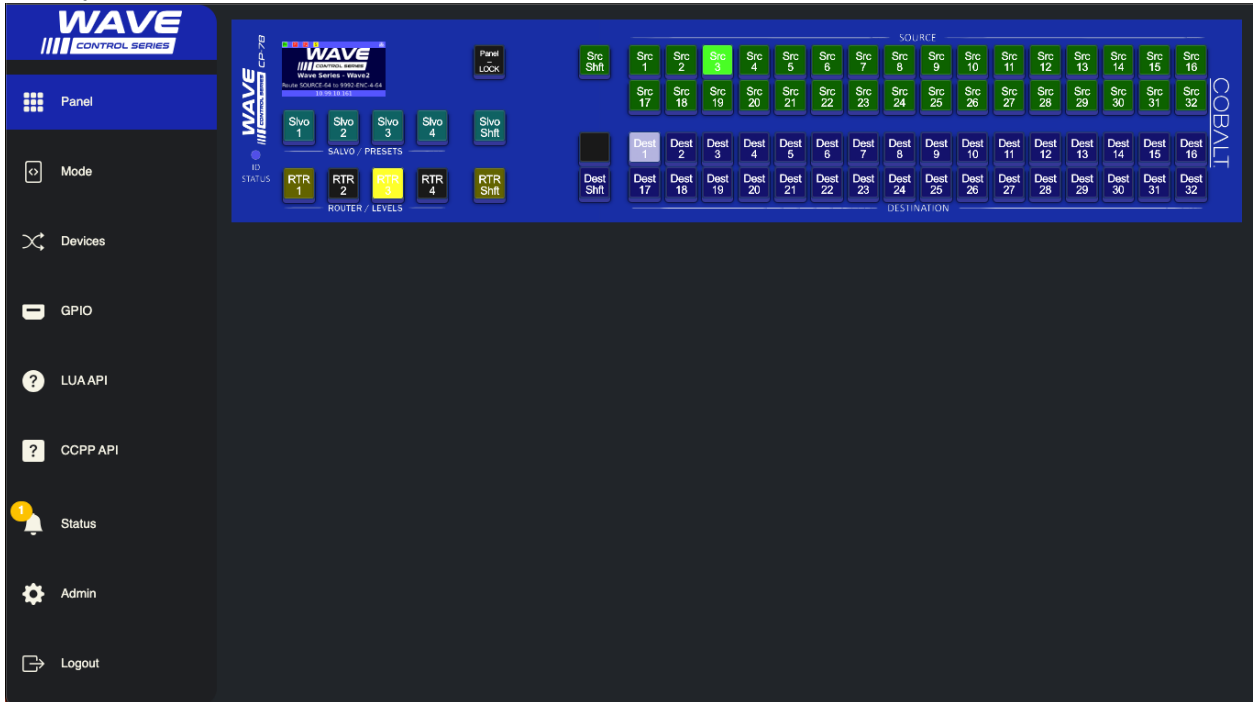| Firmware Version	Description
WAVE Series Control Panel Release v1.8.3	**Added Features** **LUA Additions** • Users can now use the require("module") in their Lua scripts to include their own Lua modules. • Added a Lua callback of OnGpi() when a GPI state is changed. • Added a Router OnRoutRateChange() Lua callback. When the rate of the connected Wave router changes rate, this callback is called. • Added a Lua stop JSON command. If a Lua script goes into an infinite loop, this command breaks Lua execution. **Graphical User Interface Additions** • A Factory Reset button is now available that resets all settings to factory defaults. It is located under the Administration section of the Settings tab.

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Firmware Version	Description
WAVE Series Control Panel Release v1.7.0	**Added Features** • The CP-78 and CP-44 backlight LED auto brightness button automatically dims after 30 minutes to 50% of the current value. When a key is touched, dimming is disabled, and the previous brightness level is restored. • Users can now reset the control panel to factory default by pressing button keys 0, 2, 4, and 6 five times each starting with 0 and ending with 6. Press each key 5 times before moving on to the key. **Resolved Issue** • Fixed a button event issue that resulted in missing button events in specific cases. Buttons now have an event queue.
Firmware Version	**Description**
WAVE Series Control Panel Release v1.6.1	**Added Features** • Added the following fonts: Thai, Arabic, and Hindi • Added emojis for both color LCD models and black and white LCD button models. • Updated the user authentication database. All password hashes are now encrypted on storage. **Note:** Existing databases will be updated internally and encrypted. If you downgrade the software, you must factory default the device. **Resolved Issue** • Fixed the token auth manager default encrypted password issue.

 WAVE Series Control Panels Release Notes

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Firmware Release Notes

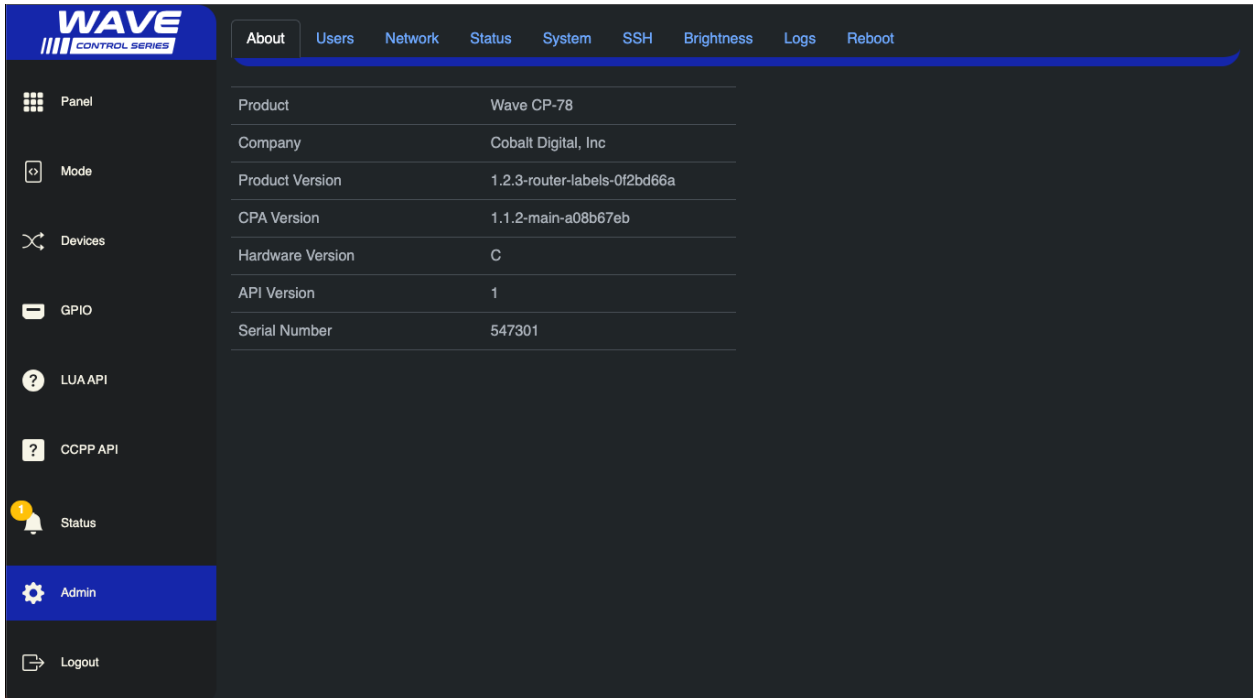| Firmware Version	Description
WAVE Series Control Panel Release v1.5.2	**Added Features** • Support for Chinese/Japanese/Korean language for both the LCD Button and LCD screen versions. • Added Lua script updates to support the new fields in the Wave64 router to make use of the source and destination short titles. • Added a small, large, system, and CJK font. The small and large fonts support only ASCII characters. The system and CJK fonts support all Latin, Chinese, Japanese, and Korean languages for LCD buttons. • The LCD buttons from Lua will refresh the screen about three times faster than previously. • Lua scripts can now include the cobalt Lua library. Cobalt = require("cobalt") • Added support for black and white emojis in titles and names. • Clicking on a source or destination title allows you to edit both the long and short title names.

Firmware Version	Description

WAVE Series Control Panel Release v1.4.2	**Added Features**
	
	• **Added the following LUA enhancements**:
	    ○ JSON library
	    ○ Socket library
	    ○ Logging
	    ○ WebSocket support
	    ○ HTTP library
	
	• **UI Change** - Removed the "Panel" sidebar selection and merged it to the Panel sidebar.
	
	• HTTPS is now supported for web interfaces.
	
	• Supports the Wave Router destination lock feature.

WAVE Series Control Panel Release v1.3.2	**Added Features** • **HTTP Endpoint Device Support:** WAVE control panels can now control other Cobalt devices such as a mutliviewer via HTTP Endpoint support. • HTTP Responses can be piped into a JSONPath interpreter to extract values in Lua. • Lua can extract the Wave Router source/destination labels. • Added new Lua scripts that permit the control panel to function as a Destination->Source->Take or a destination-oriented control for Wave routers. • LCD Display enhancements for units that have a display.

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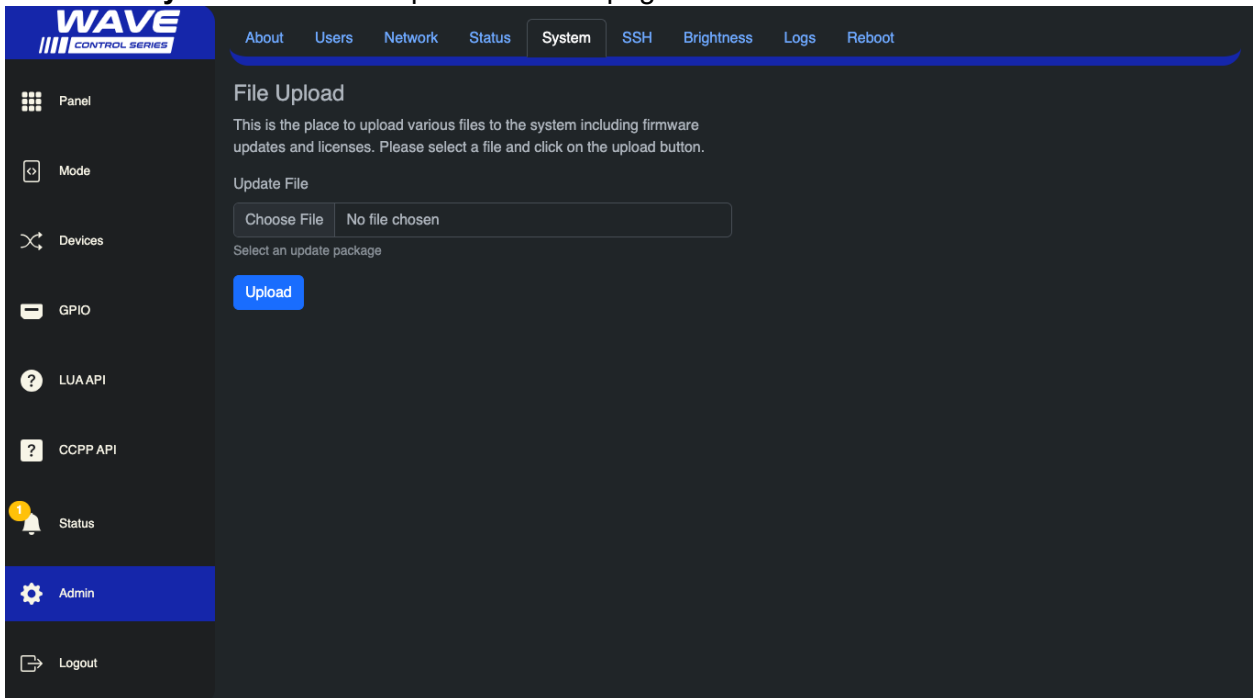
Firmware Update Instructions

1. Open the WAVE Control Series user interface. A page similar to the following is displayed:

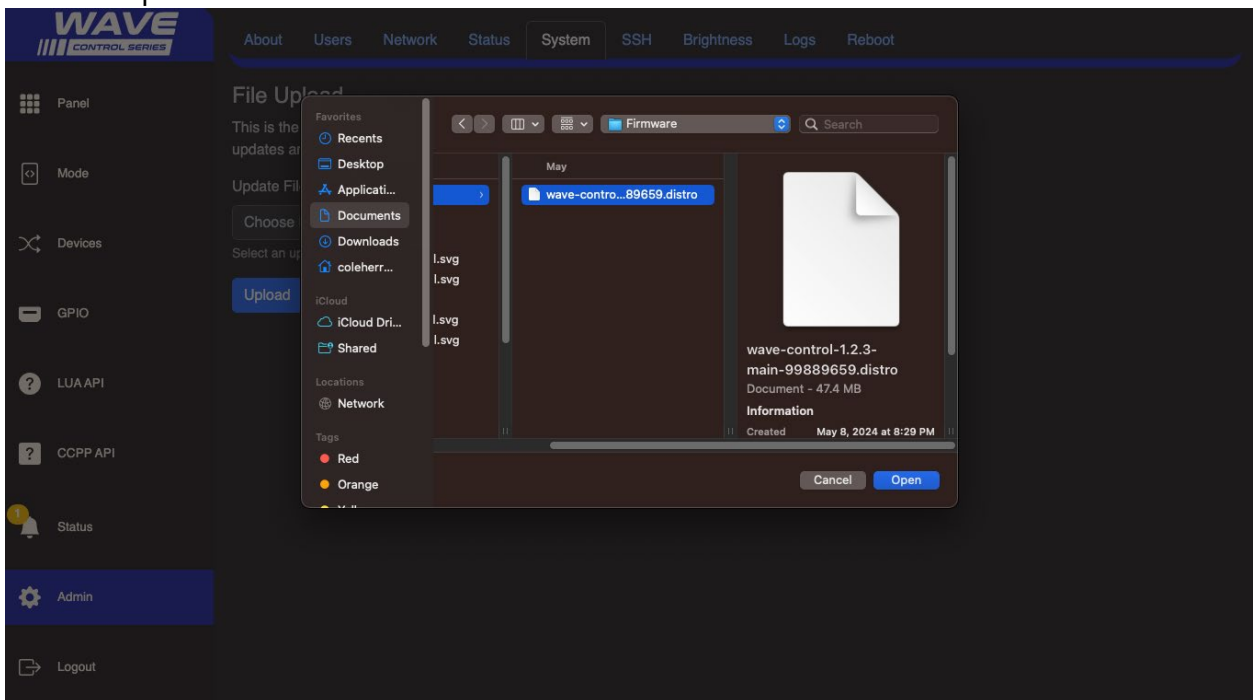2. From the sidebar, select **Admin**.

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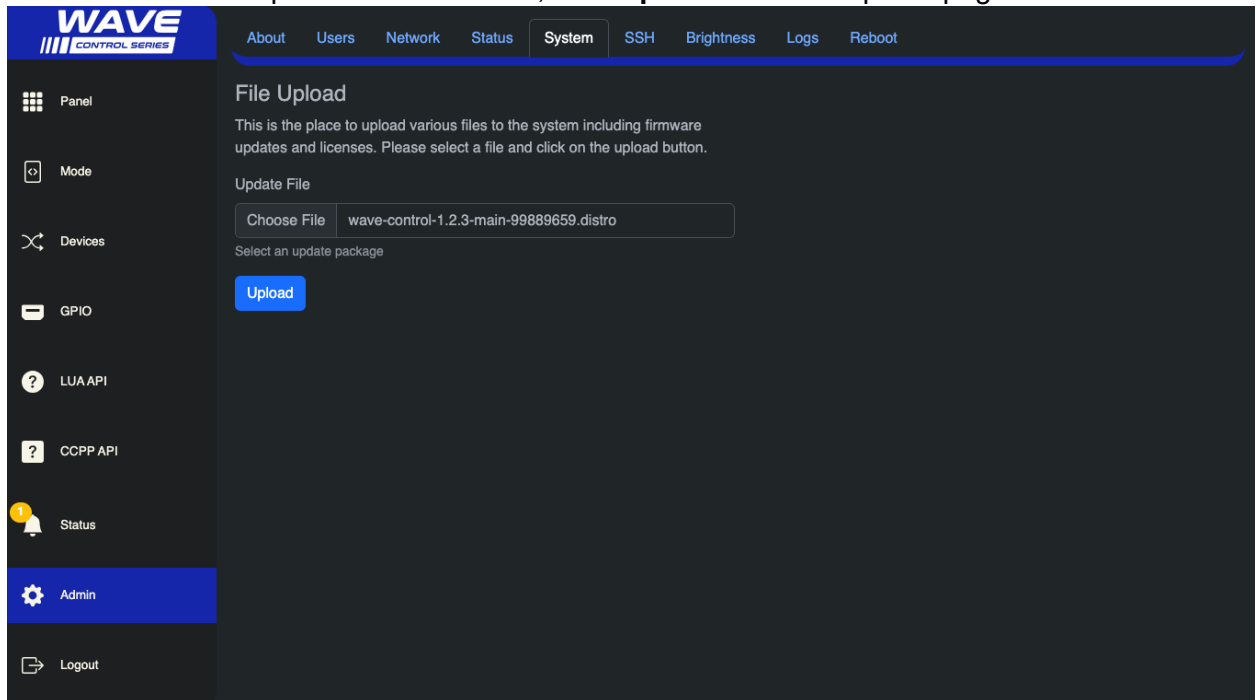
3. Select the **System** tab at the top of the Admin page.
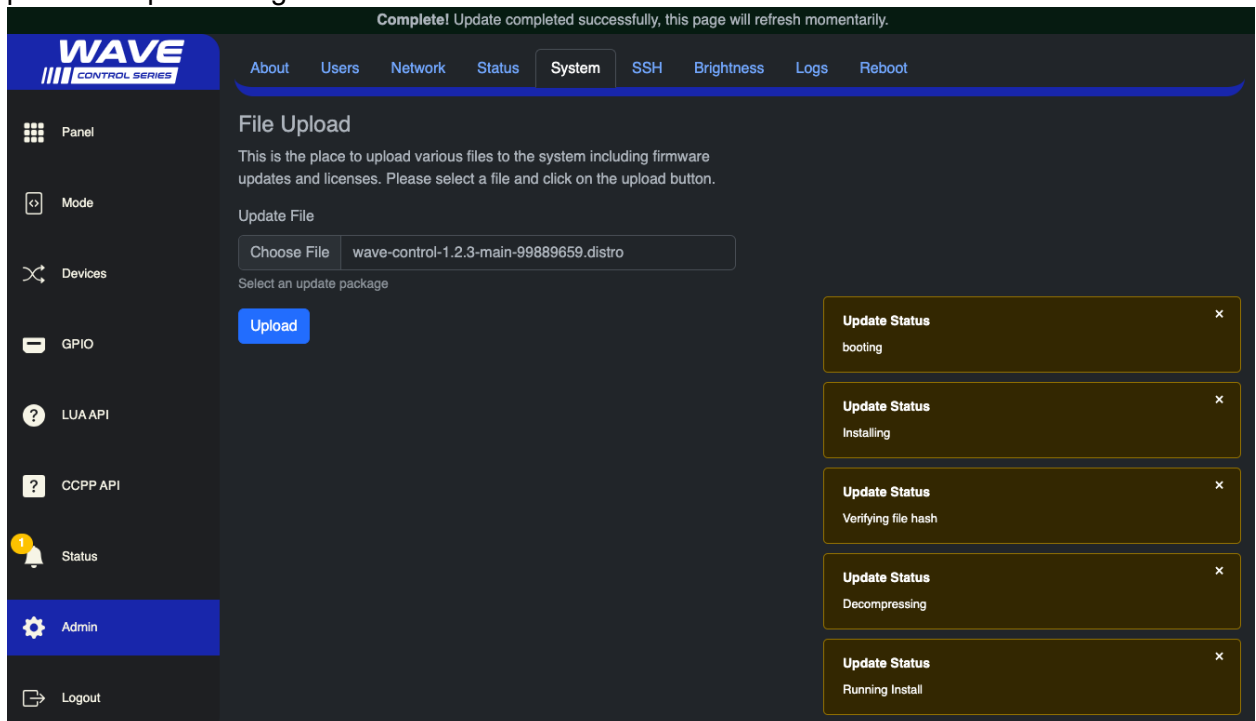

4. Click **Choose File** to open the OS file manager and then click **Open** to select the firmware update .distro file.
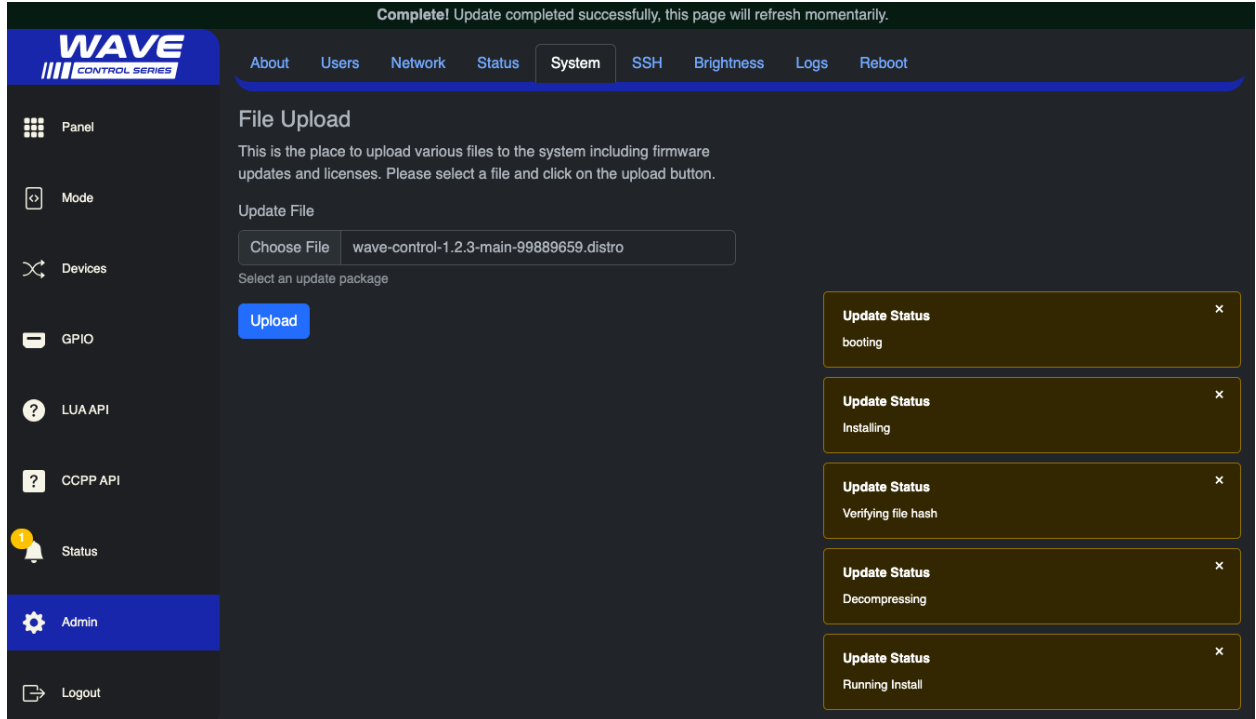
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5. Once the firmware update file is selected, click **Upload** from the Upload page.

6. The upload process begins, which will generate several notifications of what the update process is performing.

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7. Once the update completes, a banner at the top of the page informs the user to wait for the panel to reboot.

8. After the panel reboots, the user interface closes and returns to the login page.