

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 v1.7.0	<p>Added Features</p> <ul style="list-style-type: none">• 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. <p>Resolved Issue</p> <ul style="list-style-type: none">• Fixed a button event issue that resulted in missing button events in specific cases. Buttons now have an event queue.

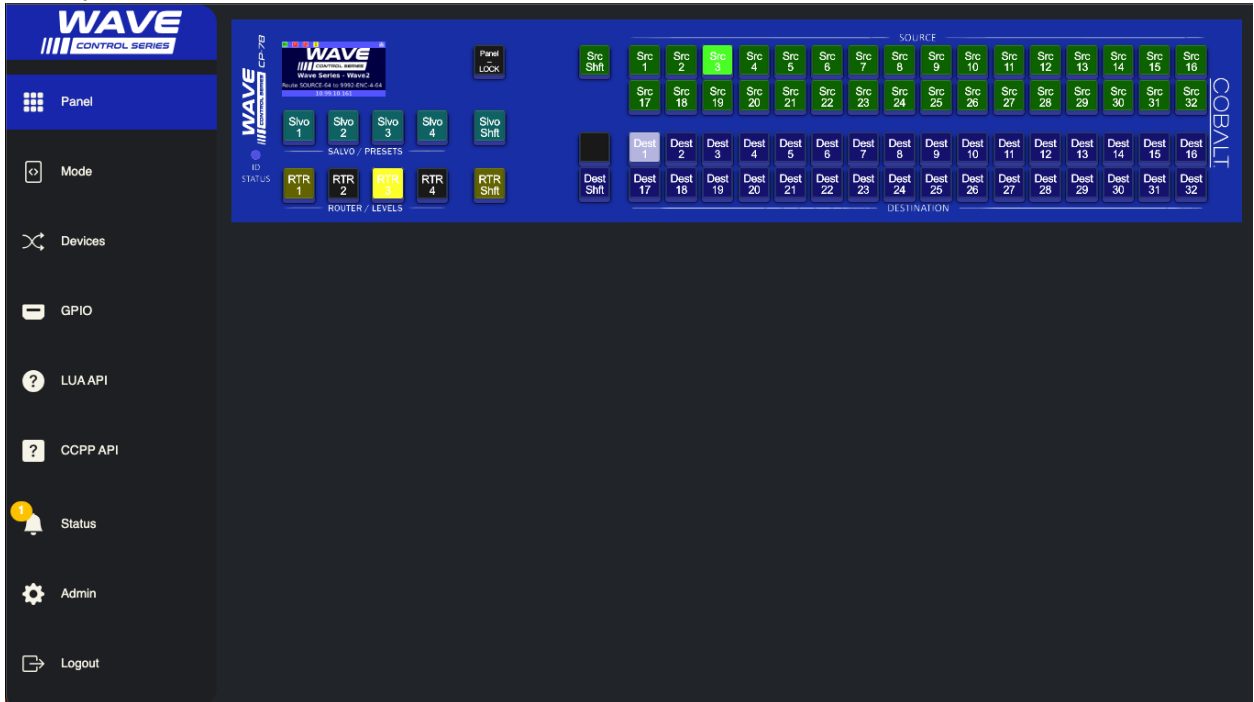
Firmware Version	Description
WAVE Series Control Panel Release v1.6.1	<p data-bbox="824 394 1045 426">Added Features</p> <ul data-bbox="873 432 1401 953" style="list-style-type: none"><li data-bbox="873 432 1352 506">• Added the following fonts: Thai, Arabic, and Hindi<li data-bbox="873 541 1370 653">• Added emojis for both color LCD models and black and white LCD button models.<li data-bbox="873 688 1401 953">• 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. <p data-bbox="824 993 1036 1024">Resolved Issue</p> <ul data-bbox="873 1031 1401 1104" style="list-style-type: none"><li data-bbox="873 1031 1338 1104">• Fixed the token auth manager default encrypted password issue.

Firmware Version	Description
WAVE Series Control Panel Release v1.5.2	Added Features <ul style="list-style-type: none">• 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.

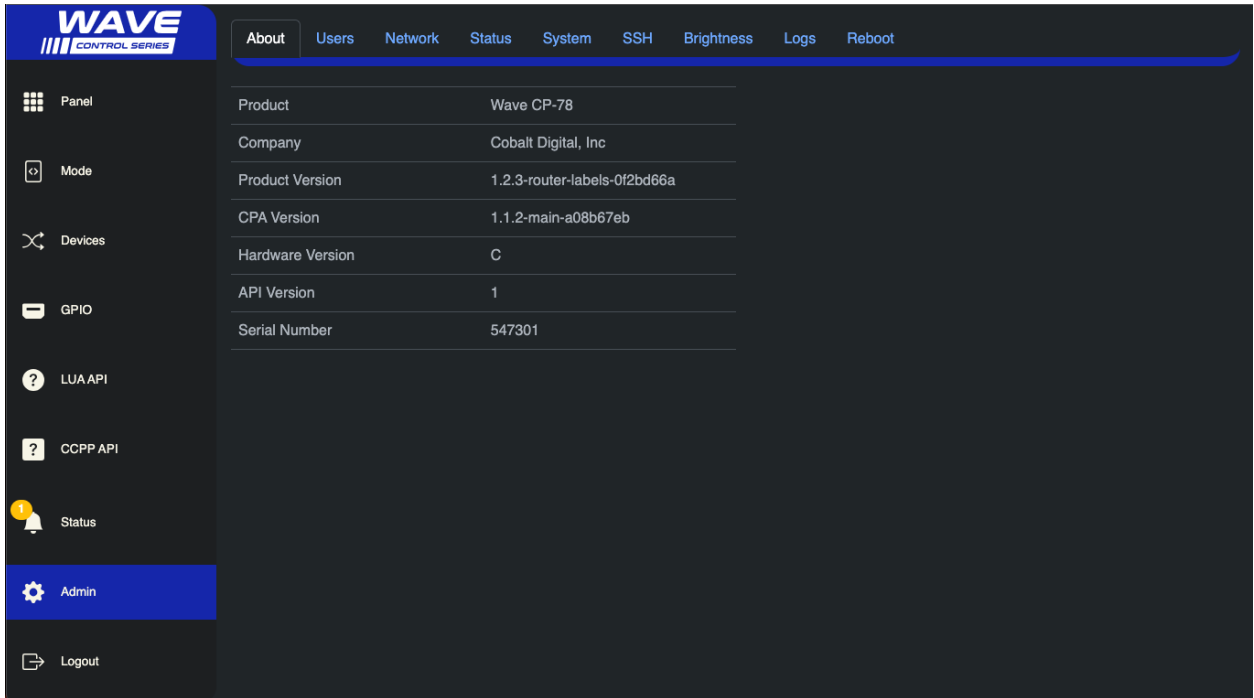
Firmware Version	Description
WAVE Series Control Panel Release v1.4.2	<p>Added Features</p> <ul style="list-style-type: none"> • Added the following LUA enhancements: <ul style="list-style-type: none"> ○ JSON library ○ Socket library ○ Logging ○ WebSocket support ○ HTTP library • UI Change - Removed 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	<p>Added Features</p> <ul style="list-style-type: none"> • 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.

Firmware Update Instructions

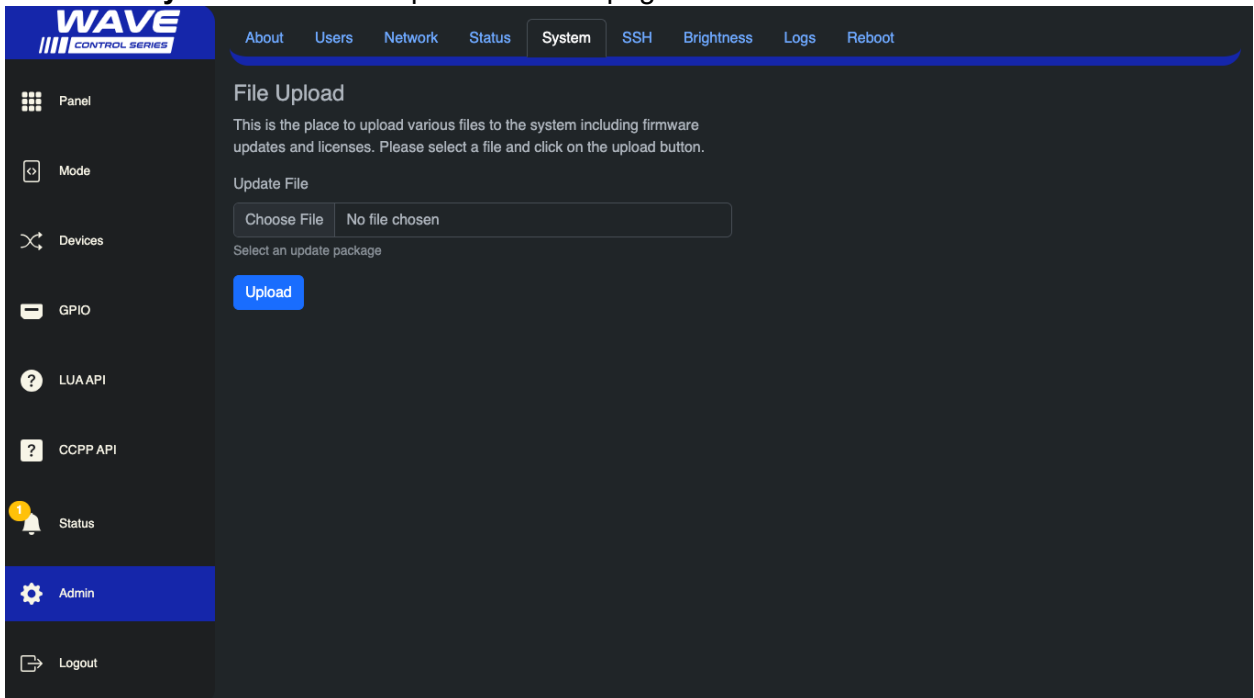
1. Open the WAVE Control Series user interface. A page similar to the following is displayed:



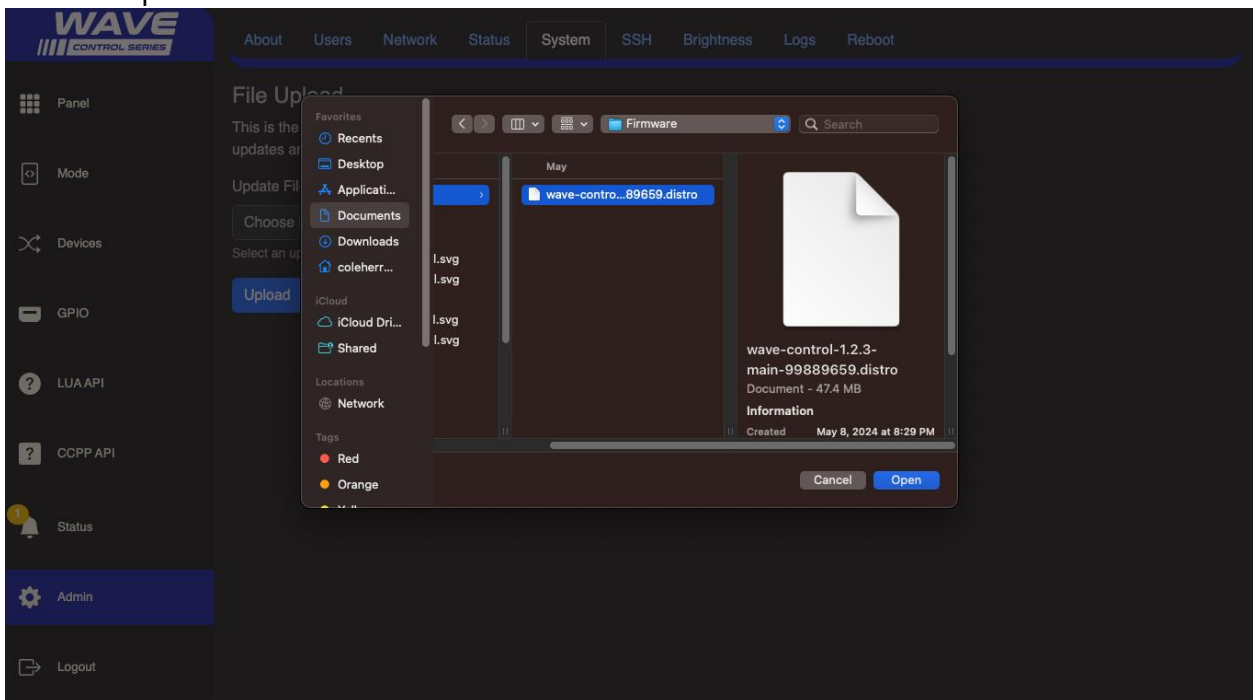
2. From the sidebar, select **Admin**.



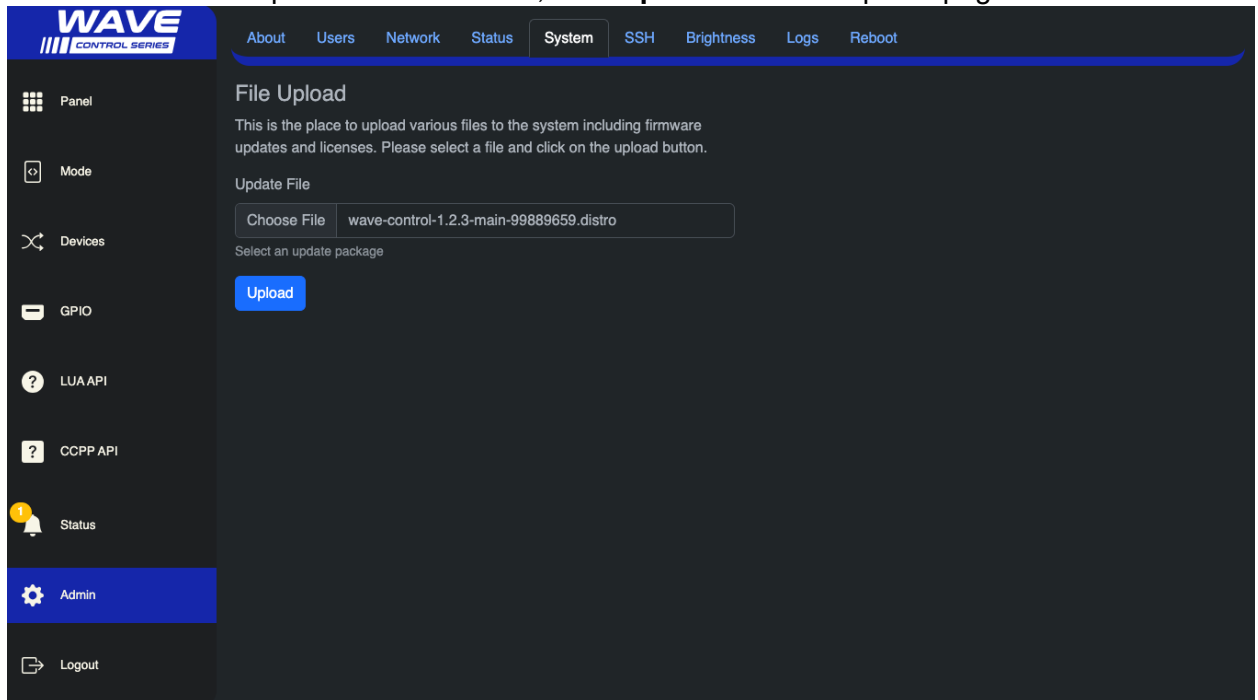
3. Select the **System** tab at the top of the Admin page.



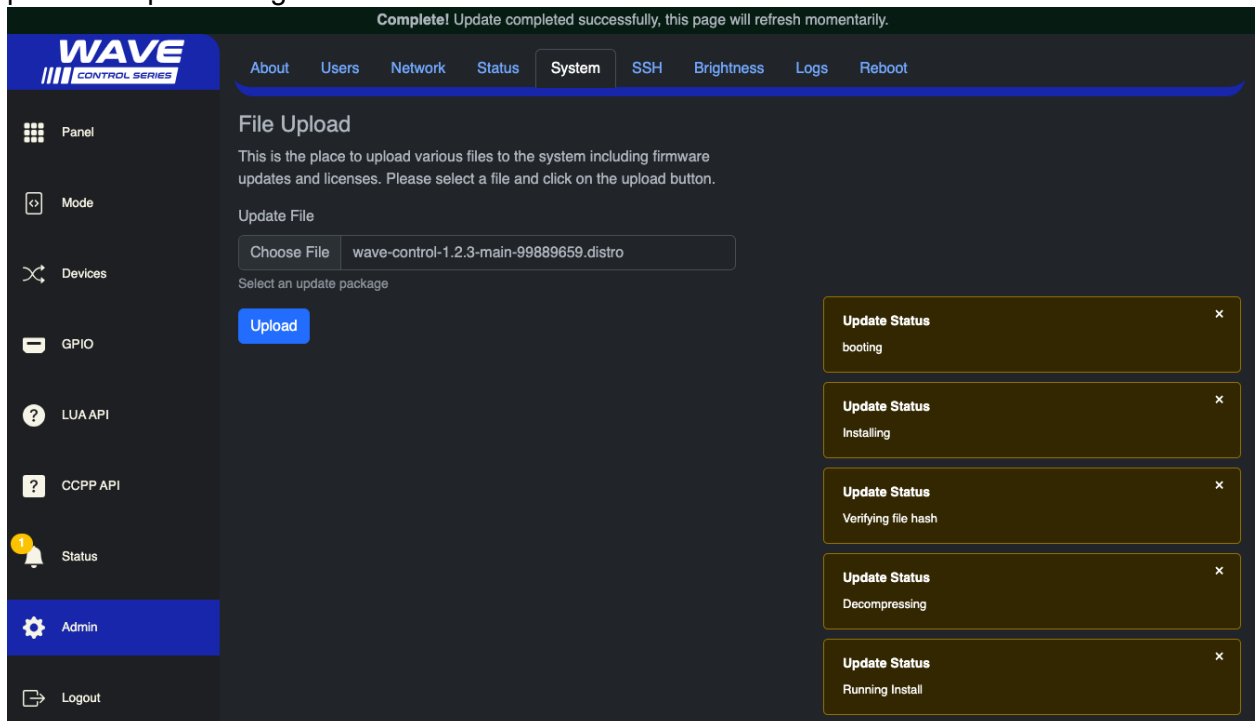
4. Click **Choose File** to open the OS file manager and then click **Open** to select the firmware update .distro file.



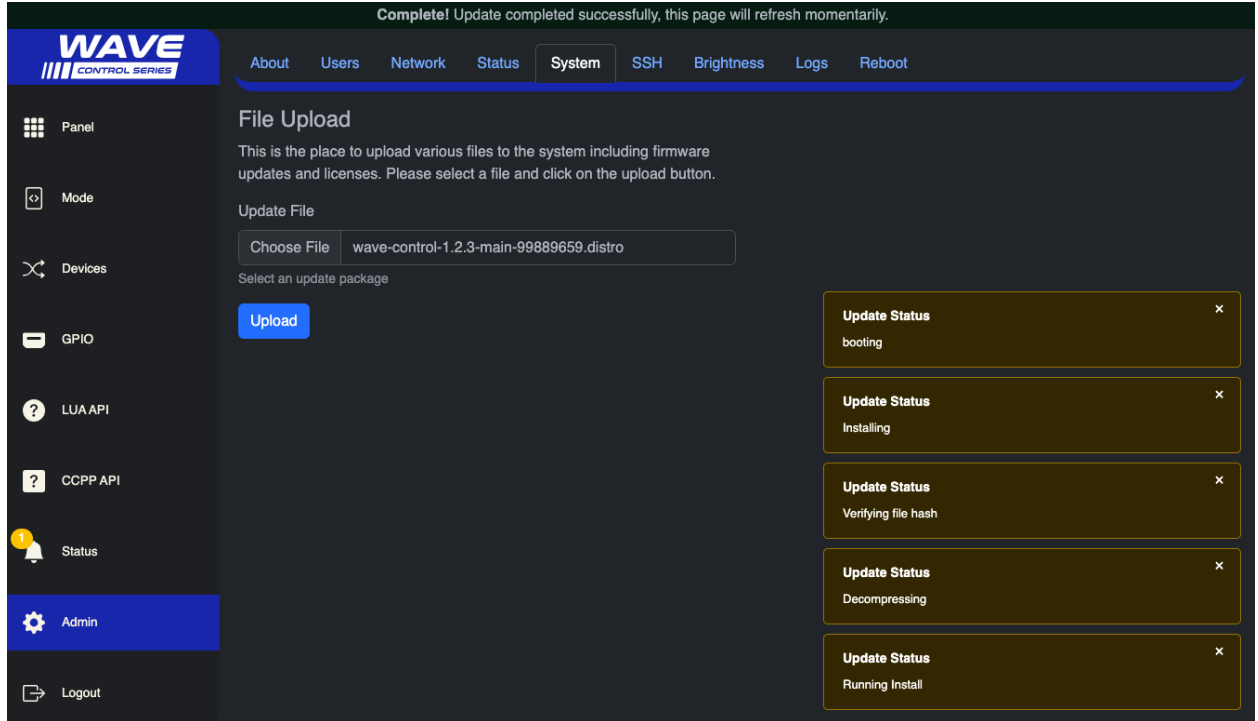
- Once the firmware update file is selected, click **Upload** from the Upload page.



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



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



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

