## COBALT. Firmware Release Notes

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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 <u>www.cobaltdigital.com</u> (<u>Firmware | Audio/Video</u> <u>Production Products | Cobalt Digital</u>).

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<sup>™</sup>.

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	<ul> <li>Added Features</li> <li>The CP-78 and CP-44 backlight LED auto brightness button automatically dims after 30 minutes</li> </ul>
	to 50% of the current value. When a key is touched, dimming is disabled and the previous brightness level is restored.
	<ul> <li>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.</li> </ul>
	Resolved Issue
	• Fixed a button event issue that resulted in missing button events in specific cases. Buttons now have an event queue.

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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. <b>Note:</b> 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.

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

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#### Engineering Release Notes

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Firmware Version	Description
WAVE Series Control Panel Release v1.4.2	Added Features
	<ul> <li>Added the following LUA</li> </ul>
	enhancements:
	<ul> <li>JSON library</li> </ul>
	<ul> <li>Socket library</li> </ul>
	<ul> <li>Logging</li> </ul>
	<ul> <li>WebSocket support</li> </ul>
	o HITP library
	• <b>UI Change</b> - Removed the "Panel" sidebar selection and merged it to the Panel sidebar.
	<ul> <li>HTTPS is now supported for web interfaces.</li> </ul>
	<ul> <li>Supports the Wave Router destination lock feature.</li> </ul>
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.
	<ul> <li>HTTP Responses can be piped into a JSONPath interpreter to extract values in Lua.</li> </ul>
	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.
	<ul> <li>LCD Display enhancements for units that have a display.</li> </ul>



#### **Firmware Update Instructions**

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

	WAVE	n												SOURCE								
	CONTROL SERIES	e Line			Panel LOCK	Src Shft	Src 1	Src 2	Src 3	Src 4	Src 5	Src 6	Src 7	Src Src 8 9	Src 10	Src 11	Src 12	Src 13	Src 14	Src 15	Src 16	
	Panel	VAV	Anne SOURCE 44 to 1992 ENC 19 99 10 161 Sivo Sivo	sivo Sivo	Sivo		Src 17	Src 18	Src 19	Src 20	Src 21	Src 22	Src 23	Src Src 24 25	Src 26	Src 27	Src 28	Src 29	Src 30	Src 31	Src 32	COB
0	Mode		1 2 SALVO/F	3   4     RESETS   RTR     3   RTR     4	Shft RTR Shft	Dest Shft	Dest 1 Dest 17	Dest 2 Dest 18	Dest 3 Dest 19	Dest 4 Dest 20	Dest Dest 21	Dest Dest 22	Dest 7 Dest 23	Dest Des 8 9 Dest Des 24 25	t Dest 10 t Dest 26	Dest 11 Dest 27	Dest 12 Dest 28	Dest 13 Dest 29	Dest 14 Dest 30	Dest 15 Dest 31	Dest 16 Dest 32	SALT.
$\propto$	Devices		ROUTER /	LEVELS										DESTINATIO								
-	GPIO																					
?	LUA API																					
?	ССРР АРІ																					
<b>^</b>	Status																					
¢	Admin																					
₿	Logout																					

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

"		About Us	ers Netwo	rk Status	System	SSH	Brightness	Logs	Reboot
	Panel	Product		Wav	e CP-78				
പ	Mode	Company		Cob	alt Digital, Inc				
		Product Versio	n	1.2.	B-router-label	s-0f2bd66a			
$\propto$	Devices	Hardware Version	sion	C	2-main-auobo	ored			
		API Version							
	GPIO	Serial Number		5473	301				
?	LUA API								
?	CCPP API								
•	Status								
Ŧ									
\$	Admin								
₿	Logout								



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

1		About Users Network Status System SSH Brightness Logs Reboot
	Panel	File Upload
0	Mode	updates and licenses. Please select a file and click on the upload button. Update File
$\propto$	Devices	Choose File         No file chosen           Select an update package
-	GPIO	Upload
?	LUA API	
?	ССРР АРІ	
<b>^</b>	Status	
\$	Admin	
⊖	Logout	

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

					s System				
		File Up This is the	Favorites		· · · · · · · · · · · · · · · · · · ·	盲 Firmware		Search	
0			Desktop Applicati Documents		May	tro89659.distro			
$\propto$			Downloads     coleherr	l.svg l.svg					
۵	GPIO		iCloud 스 iCloud Dri	l.svg l.svg			wa	we-control-123-	
3	LUA API		Locations  Metwork				ma Doc Info	nin-99889659.distro curnent - 47.4 MB ormation	
?			Tags Red Orange				II Crea	ated May 8, 2024 at 8:29 PM Cancel Open	
<b>9</b>									
₽									
¢	Logout								



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

		About	Users	Network	Status	System	SSH	Brightness	Logs	Reboot
Panel		File Up	load place to up	load various	files to the s	system inclu	ding firmwa	ıre		
↔ Mode		updates ar Update Fil	nd licenses. e	Please selec	t a file and	click on the	upload but	on.		
X Device	95	Choose Select an up	File wave	e-control-1.2.	3-main-998	89659.distro				
- GPIO		Upload								
? LUAA	PI									
? CCPP	API									
Status										
🔅 Admin										
🕞 Logou	t									

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

				Complete!	poate com	pietea succe	essiully, th	s page will retr	esn mome	entarily.
"		About	Users	Network	Status	System	SSH	Brightness	Logs	Reboot
	Panel	File Up	pload place to u	ipload various	s files to the	system incl	uding firm	ware		
$\diamond$	Mode	updates a Update Fil	Ind licenses	s. Please sele	ect a file and	d click on the	e upload b	utton.		
$\propto$	Devices	Choose Select an u	File wa pdate packa	ve-control-1.2	2.3-main-99	889659.disti	o			
-	GPIO	Upload								Update Status × booting
?	LUA API									Update Status × Installing
?	CCPP API									Update Status ×
<b>^</b>	Status									Update Status ×
\$	Admin									Decompressing
¢	Logout									Update Status × Running Install



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

				Complete!	poate com	pleted succi	esstully, th	s page will ret	iresn mome	entarily.	
		About	Users	Network	Status	System	SSH	Brightness	Logs	Reboot	
	Panel	File Up This is the	pload e place to u	ipload various	s files to the	e system incl	uding firm	ware			
$\diamond$	Mode	updates a Update Fi	and license: ile	s. Please sele	ect a file an	d click on th	e upload b	utton.			
$\propto$	Devices	Choose Select an u	File wa	ve-control-1.2	2.3-main-99	889659.dist	ro				
	GPIO	Upload								Update Status booting	×
?	LUA API									Update Status Installing	×
?	CCPP API									Update Status Verifying file hash	×
<b>^</b>	Status									Update Status	×
۵	Admin									Decompressing	
₿	Logout									Update Status Running Install	

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

Sign in