

Module Firmware Upgrade Using the CXC HP (Software V4.xx)

Summary

This procedure outlines how to upload a firmware file onto a module using the CXC HP controller web interface (screenshots taken on software version v4.01).

Equipment Necessary

- Laptop with an Ethernet port and a Web browser (IE, Firefox, Chrome, and Microsoft Edge)
- Ethernet Cable

Procedure

Important:

- Please note that power modules will be upgraded one by one, during which time, each module will sequentially have their output turned OFF. Please note that depending on the load, batteries may take up some of the load.
- If there are no batteries, ensure that power save is turned OFF and enough redundant modules are installed.
- Please take special care when upgrading Line Power modules (LPS36, eLimiter+, etc.). Uploading firmware onto a module that is feeding a load without redundancy will temporarily turn down the load for the duration of the upgrade.
- 1. Connect to the controller using an Ethernet cable. Please refer to Alpha's *MOP CXC-HP Communications* document for this procedure.
- 2. Click the **Modules** menu.

A OV						<alco< th=""><th colspan="5">Example DC System (DC System 48V/3624)</th></alco<>	Example DC System (DC System 48V/3624)				
OK No Alarms							SYSTEM VOLTAGE 55.58 V	BATTERY CURRENT			
							TOTAL LOAD CURRENT 2 A	SYSTEM MODE Battery Conditioning			
Dashboard	Controller	System	Modules	Alarms	Logs	Shelf Layout					
🔗 / Dash	board										

3. The serial numbers of the modules, and the current firmware, are listed under the **All Modules** category.

Please note: a module cannot be overwritten with the same version of firmware that is already on the module.

Use the Upload Firmware File button to get the firmware to be written onto the modules.

The most recent firmware for modules can be found at, *www.alpha.ca/support/support-main-menu/software-firmware-downloads*.



OK					ALCO	C Example	DC System (DC Syste	m 48V/3624)				Example LPS (Line Power System ±190V/11)			
D OK lo Alarms						SYSTEM VOL 55.58 V	TADE			BATTERY CURRENT		TOT -/	AL OUTPUT CURRENT	MODULES 0	
						TOTAL LOAD CURRENT 2 A				SYSTEM MODE Battery Conditioning		тот — V	AL OUTPUT POIMER N	AVERAGE INPUT VOLTAGE	
Dashboard Con	troller System	Modules	Alarms Logs	Shelf Layout											
A / Modules															
All Modules												Firmware Upgrade			
- Assign All Modules - Forget Power Modules	s in Comms Lost											© Start Firmware Upgrade © Stop Firmware Upgrade			
Identity 0	Model 0	Firmware 0	System ©		Bus 0	Node 0	Comm. Status	Alerts 0	Actions			Name 0	Value 0	Act	tions
L-ADIO/T000113/0813	L-ADIO	1.03	Cordex Demo (Controller)	CAN2	2	Normal		Q Locate		C	File Info	Select a Firmware (ACAN) File		0
T009824/0913	CXRF 48V 1.2kW	1.03	Example DC System (DC	System 48V/3624)) CAN1	1	Normal	0	Q Locate		C	File	***		ß
311012639	CXRF 48V 1.2kW	1.03	Example DC System (DC	System 48V/3624)) CAN1	3	Normal	0	QLocate			Modules Compatible with File			0
												Last Upgrade Status	Succeeded		0
												Last Upgrade File Used	03413800D_CUSTOMER_CXRF_48-1.2KW_	V1.03.ACAN	0
												Last Upgrade Total Modules	1		0
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Firmware Files															
2. Upload Firmware File															
Name ©				Size (bytes) 0 A		_									
0350055-001_G_LAD			4/10/2017 2:58:20 AM		- Delete Fi										
03413800D_CUSTOM	ER_CXRF_48-1.2K	W_V1.03.ACAN	1/15/2018 3:01:54 PM	32854											

4. Click Select File to search for the file, and then click Upload.

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	Name				Size	Progress	Status	Actions				
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← → × ↑ 📙 > Th	is PC > Documents > Software Files > CXRF 48	-1.2kW						ٽ ×	Search C	XRF 48-1.2kW		P
Organize 👻 New fold	er									811 -		•
🖈 Quick access	Name	Date modified	Туре	Size								
Cesktop	03413800D_CUSTOMER_CXRF_48-1.2KW CXRF_48-1.2kW_HP_1.04.acan	12/10/2015 9:47 AM 12/4/2017 1:59 PM	ACAN File ACAN File		33 KB 35 KB							
	CXRF_48-1.2kW_HP_1.05.acan		ACAN File		35 KB							
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C	3 Upload File					×
	Name	Size	Progress	Status	Actions	
	CXRF_48-1.2kW_HP_1.05.acan	0.03 MB			Upload	
	Select File					
					CI	ose

5. The new uploaded firmware displays under the **Firmware Files** category. Click the *S* button for required file under **Firmware Upgrade**.

					ALCO	C Example	DC System (DC Syst	em 48V/3624				Example LPS (Line Power System ±190V/11)		
OK o Alarms						SYSTEM VO 55.58 V	LTAGE		BATTERY CUR -2 A	IENT		TAL OUTPUT CURRENT MODULE A 0	s	
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Dashboard Cont	troller System	Modules	Alarms Logs	Shelf Layout										
A / Modules														
All Modules											Firmware Upgrade			
- Assign All Modules - Forget Power Modules	s in Comms Lost										입 Start Firmware Upgrade 입 Stop Firmware Upgrade			
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L-ADIO/T000113/0813	L-ADIO 1	1.03	Cordex Demo (Controlle	ar)	CAN2	2	Normal		O Locale I Replace AE	• 🖸	File Info	Select a Firmware (ACAN) File	6	
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311012639	CXRF 48V 1.2kW 1	1.03	Example DC System (D	C System 48V/3624) CAN1	3	Normal	0	© Locate		Modules Compatible with File		6	
											Last Upgrade Status	Succeeded	•	
											Last Upgrade File Used	03413800D_CUSTOMER_CXRF_48-1.2KW_V1.03.AC4	м 👩	
											Last Upgrade Total Modules	1	6	
											Last Upgrade Remaining Modul	es 0	6	
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Firmware Files											Last Upgrade Remaining Modul Last Upgrade Percent Complete			
2. Upload Firmware File														
Name 0	0 400 1/4 62		Last Write 0 4/10/2017 2:58:20 AM	Size (bytes) 0										
			4/10/2017 2:58:20 AM	1 67562	- Delete F	de								
0350055-001_G_LADK CXRF_48-1.2KW_HP_			2/5/2018 10:19:18 AM	26022	- Delete F									

6. Select the file to be uploaded and click, **Save**.

Field Details	×
File CXRF_48-1.2KW_HP_CUSTOMER_V1.05.acan	•
Default	
Help Firmware file that will be used to select and upgrade devices.	
	Cancel H Save

Click **Start Firmware Upgrade**. (Note: Depending on the module, a firmware upgrade can take up to ten minutes per module.)



a				LCO	C Example	DC System (DC Syste	m 48V/3624)				Example LPS (Line Power System ±190V/11)		
DK No Alarms					SYSTEM VO 55.58 V	'AGE		BATTERY CURRENT -2 A			TOTAL OUTPUT CURRENT MODULES 0		
					TOTAL LOAD CURRENT 2 A			SYSTEM MODE Battery Conditioning			TAL OUTPUT POWER AVERAGE	E INPUT VOLTAGE	
Dashboard Con	troller System	Modules	Alarms Logs Shelf Layout										
Modules													
All Modules										Firmware Upgrade			
- Assign All Modules - Forget Power Module	s in Comms Lost									أي Start Firmware Upgrade أي Stop Firmware Upgrade			
Identity ¢	Model ¢	Firmware ¢	System ¢	Bus ¢	Node :	Comm. Status	Alerts			Name ¢	Value 🗘	Actions	
L-ADIO/T000113/0813	L-ADIO	1.03	Cordex Demo (Controller)	CAN2	2	Normal	🗘 Local		\square	File Info	Ready to Start	e	
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										Modules Compatible with File	2		
										Modules Compatible with File Last Upgrade Status	2 Succeeded	0	
										Modules Compatible with File Last Upgrade Status Last Upgrade File Used	2 Succeeded 03413800D_CUSTOMER_CXRF_48-12KW_V1 03 ACAN 1	() () N ()	

7. Verify that the firmware on the modules has been upgraded.

OK No Alarms				LCO	C Example SYSTEM VOI 55:58 V TOTAL LOAD 2 A		em 481/(3624)		BATTERY CURRENT -2 A SYSTEM MODE Battery Conditioning		1	- A OTAL OUTPUT POWER	MODULES 0 AVERADE INFL
Dashboard Cont	troller System	Modules	Alarms Logs Shelf Layout										
All Modules — Assign All Modules											Firmware Upgrade		
	Model 0	Firmware 0				Comm. Status				-1	C Stop Fernware Upgrade	Value 0	Actions
L-ADIO/T000113/0813 T009824/0913	L-ADIO CXRF 48V 1.2kW	1.03	Cordex Demo (Controller) Example DC System (DC System 48V/3624)	CAN2 CAN1		Normal	0	Q Locate		C	File Info File	Select a Firmware (ACAN) File	0 2
311012639	CXRF 48V 1.2kW	1.05	Example DC System (DC System 48V/3624)	CAN1	3	Normal	0	Q Locale		C.	Modules Compatible with File Last Upgrade Status		0 0
											Last Upgrade File Used Last Upgrade Total Modules	CXRF_48-1.2KW_HP_CUSTOMER_V1.05 acan 2	6
											Last Upgrade Remaining Mode Last Upgrade Percent Comple		0

End of Procedure

For additional assistance or if you have any questions regarding this notification, please contact Alpha Technical Support at 1-888-462-7487 or <u>www.alpha.ca/report-a-problem.</u>

For assistance, contact Alpha Technical Support: Toll Free North America: 1-888-462-7487 International: +1-604-436-5547 Monday - Friday, 7:00 AM - 5:00 PM PST for regular inquires 24/7 for emergency support