

Hx-CTRIO2 Booter Update Procedure

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- 1. Open "HAPTools.zip" with Windows Explorer.
- 2. Copy the HAPTools folder from the .zip archive onto your "C:\" drive. Windows will ask if you want to merge this into the existing HAPTools folder. Click "Yes" to merge the folder.





3. Check "Do this for all current items" and Click "Yes".





Do not power off the PLC or disrupt the communications in any way during the following procedure! If you are using a laptop be sure that you are using AC power and have the hibernation and power saving features turned off!

- 4. Remove **all** modules from the PLC except for the CTRIO2 module that you wish to update. This is a very important step to insure a proper update.
- 5. Move the switch on the PLC to the "STOP" position and then back to the middle "TERM" position.
- 6. Make sure that the "Run" light on the PLC is **not** illuminated.
- From DSLaunch 5, open the utility "CTRIO WB 2 DirectLogic PLC". Be sure that you are using Workbench version 2.2.1.4. This version of CTRIO Workbench can be found at http://www.hosteng.com if you need to update.

File View Help Provide the set of the s	^{DI} 5 DSLaunch	
 DirectSOFT on the Web Applications DirectSOFT 5 Programming Utilities Visit AutomationDirect Visit Host Engineering Host Forum, FAQs, Downloads CTRIO WB 2 - DirectLogic PLC CTRIO WB 2 - EBC + WinPLC CTRIO WB 2 - Offline ERM Workbench DBWin32 Logger DNLoader 	File View Help	
KetEdit 3 Calculator Version DS500.ini Projects	DirectSOFT on the Web Applications DirectSOFT 5 Programming Utilities Visit AutomationDirect Visit Host Engineering Host Forum, FAQs, Downloads CTRIO WB 2 - DirectLogic PLC CTRIO WB 2 - DBC CTRIO WB 2 - PBC CTRIO WB 2 - Offline ERM Workbench DBWin32 Logger DNLoader Calculator Version DS500.ini Projects	Description: CTRIO Workbench Version: 2, 2, 1, 4 Additional Info:

8. Select the communications link to connect to the PLC from the list that is presented. If your PLC is not shown, please add an appropriate connection.



9. You should see only one installed module in the list on the left. Select this module. The module's current Booter revision is found in the Module Status section. The current booter prior to this release is version 0.9.0.

CTRIO Workbench				
Current PLC Type: DL06	Current Module Name:	Module	e Status e Mode: <mark>Program</mark>	Config Operations Write Module
Comm Link: DL06, 9600, COM3	Description:	Scan T Max Se	fime: 149 us can Time: 149 us	Read Module
Comm Status: Ok		Booter	version: 0.9.0	Write File
Select PLC	Module Configuration	US Ve	I.U.3	Utility Functions
Installed Modules Base 0 : Slot 1	Config I0		Goto RUNI	
	Ch1/Fn1 Up Counter	Out 0	Discrete on Ch1/Fn1 Preset Mode *	Monitor I/U
	Ch1/Fn2 Up Counter	Out 1	Discrete on Ch1/Fn2 Preset Mode *	Consid
Rescan	Ch2/Fn2	Out 3		Update Firmware
Config Information	· · · · · · · · · · · · · · · · · · ·			Hardware Info
Total Blocks: 256	I/O Map Inputs: V3000 Outputs: V3030		Clear Config	
Config Status	Pulse Profiles Table During Pulse Profiles	2		
Same as Module	Total Pulse Profiles:	U		Quit



11. Place the module into Program Mode with the top button under "Utility Functions".

CTRIO Workbench	b		
Current PLC Type:	Current Module Name:	Module Status Module Mode: Program	Config Operations Write Module
Comm Link: DL06, 9600, COM3	Description:	Scan Time: 149 us Max Scan Time: 149 us	Read Module
Comm Status: Ok		Booter version: 0.9.0 OS Version: 1.0.3	Read File
Select PLC	Module Configuration		Utility Functions
Installed Modules Base 0 : Slot 1	Config I0		Goto RUN!
	Ch1/Fn1 Up Counter	Out 0 Discrete on Ch1/Fn1 Preset Mode *	
	Ch2/En1	Dut 1 Discrete on Ch1/Fn2 Preset Mode *	Special
Rescan	Ch2/Fn2	Out 3	Update Firmware
Config Information			Hardware Info
Total Blocks: 256 Free Blocks: 247	cks: 256 1/0 Map Inputs: V3000 Outputs: V3030		
Config Status Same as Module	Discrete l'ables: 2 Pulse Profiles Total Pulse Profiles: 0		Quit



12. Press the "Update Firmware" button under the "Special" heading.

CTRIO Workbench	No. of Concession, Name		
Current PLC Type: DL06	Current Module Name:	Module Status Module Mode: Program	Config Operations Write Module
Comm Link: DL06, 9600, COM3	Description:	Scan Time: 149 us Max Scan Time: 182 us	Read Module
Comm Status:		Booter version: 0.9.0	Write File
Select PLC	Module Configuration	US Version: 1.0.3	Utility Functions
Installed Modules	Config I0		Goto RUN!
Base U : Slot I	Ch1/Fn1 Up Counter	Out 0 Discrete on Ch1/Fn1 Preset Mode *	Monitor 1/0
	Ch1/Fn2 Up Counter	Out 1 Discrete on Ch1/Fn2 Preset Mode *	A 11
Rescan	Ch2/Fn1	Out 2	Update Firmware
Config Information			Hardware Info
Total Blocks: 256 I/O Map Inputs: V3000 Outputs: V3030			Clear Config
Config Status	Discrete Tables Total Preset Tables: 2		
Same as Module	Total Pulse Profiles:	0	Quit



13. In the lower right corner, change the drop down from "CTRIO2 Firmware Files (*.os)" to "All Files (*.*)". Pick the "h0ctrio2_1_5_0.ga" file from the list and click "Open".

Dpen					
Computer > 09	Corputer + OS (C:) + HAPTools + Images + H0-CTRIO2 + 4				
Organize 🔻 New folder					
🚖 Favorites	Name	Date modified	Туре	Size	
🧮 Desktop	h0ctrio2_1_0_0.ga	6/13/2014 8:35 AM	GA File	222 K	
😺 Downloads	h0ctrio2_1_0_0.os	3/7/2014 3:28 PM	OS File	128 K	
Recent Places	h0ctrio2_1_0_3.os	6/13/2014 8:35 AM	OS File	129 K	
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File <u>n</u> ame: h	Octrio2_1_5_0.ga	▼ AI	l Files (*.*)	•	
			Open 🔻	Cancel	



- 14. Do not power off the PLC or disrupt the communications in any way after this step.
- 15. Click "Ok" to update the Booter.



16. The Booter will now start to update. This can take anywhere from 10 to 30 minutes so please be patient.

Firmware u	update status	×
0%	Ş	100%
	Cancel	



17. When the update finishes, you should see the dialog below. Power Cycle the PLC to complete the update.



18. You should now see that the Booter version is 1.5.0. The CTRIO2 and PLC can both be placed back into Run mode. The Booter update is finished.

CTRIO Workbench			×
Current PLC Type: DL06 Comm Link: DL06, 9600, CDM3 Comm Status: Ok	Current Module Name: Edit Description:	Module Status Module Mode: Program Scan Time: 148 us Max Scan Time: 19610 us Booter version: 1.5.0 US Version: 1.0.3	Config Operations Write Module Read Module Write File Read File
Select PLC	Module Configuration Config IO Ch1/Fn1 Up Counter Ch1/Fn2 Up Counter Ch2/En1	Out 0 Discrete on Ch1/Fn1 Preset Mode * Out 1 Discrete on Ch1/Fn2 Preset Mode *	Utility Functions Goto RUN! Monitor 1/0
Rescan Config Information Total Blocks: 256	Ch2/Fn2	Out 3 Outputs: V3030	Update Firmware Hardware Info
Config Status	Discrete Tables Total Preset Tables Pulse Profiles Total Pulse Profiles	2 : 0	Quit



If the update does not finish correctly, please contact our technical support team at 1-770-844-4200.