



Title:DCX-PCI100 Controller InitializationProducts(s):DCX-PCI100Keywords:Initialization, Troubleshooting, Status, LEDID#:TN1059Date:November 4, 2004

Summary

Once the computer is turned on the DCX-PCI100 Motion Controller goes through a two step initialization procedure. Step #1 (initial bootstrapping) occurs within the first couple of seconds. Depending upon the Windows version, step #2 (firmware download) occurs sometime before Windows has completed loading.

More Information

On-board LED's can be used to determine the initialization status of the controller.



Step #1 - bootstrapping: Within the first couple of seconds the RED Error LED's will:



If the bootstrapping has failed (all LED's on or all LED's off) the controller has failed and you should contact Tech Support.





Step #2 - firmware download: sometime before Windows has completed loading the bootstrapping operation will be repeated and then 4 to 8 seconds later all Error LED's will be turned off and the Run LED will be turned on.



If after a successfull bootstrapping the firmware download fails (the Run LED is not on) open the Windows Control Panel and Launch Motion Control. The status of the controller / firmware download will be indicated. For XP / 2000 / NT users additional information is available from the Windows Event Viewer.

Motion Control Panel						
Motion Co	Use this applicat	ion to configure and test motion controllers.				
ID	Туре	Status				
EM 0	DCX-PCI100	No reponse (6)				
	Add	Remove Properties				
		OK Help				

PMC's Motion Control Panel will indicate the nature of a firmware download failure

Event Prope	rties							? ×		
Event										
Date: Time: Type: User: Computer:	11/5/ 8:39 Error NZA TRAII	2004 NING 3	Soure Cates Even	ce: gory: t ID:	MC No 6	API ne		 ↑ ↓ 		
Description: Motion Control PCI firmware download failed (no response from controller) - \Device\MCAPI0										
Data: 💿 Bytes 🔿 Words										
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				(эк		Cancel	Apply		

The XP / 2000 / NT Event Viewer will provide additional failure information