Upgrade/Load TRIO Programs

I. Load Trio Motion programs into Controller

1. Make sure that Motion Perfect 2 is installed on the PC, which is to be connected to the controller.

Motion Perfect 2 can be installed from the Trio Motion CD.

Welcome to the Trio Motion CD

Install Motion Perfect 2 Install motion application development program

The second	-				-
-	10.000				-
Press (BH 3				
Sec. 1	10.00	- 12			
-	81 C -	10.75	1.12	A	
		- 22	122		
100	1. Same	122	10.1		
		10	10.1		
_		-			

Also, Motion Perfect 2 can be downloaded from Trio web site:

<u>http://www.triomotion.com/tmt2/sitefiles/software_tools/sw_tools_overview.asp</u> (Note: In order to download the software from TRIO website the user needs to register with TRIO, which is free)

2. Make sure that TrioPCMotion is installed on the PC which is to be connected to the controller.

TrioPCMotion can be installed from the CIRS Motion Control CD that comes with the phantom.

Name	*	Туре
💷 Ins	tall_TrioPCMotion_1_2_9_2.exe	Application

Also, TrioPCMotion can be downloaded from Trio web site:

http://www.triomotion.com/tmt2/sitefiles/software_tools/sw_tools_overview.asp_

Trio PC Motion
The Trio ActiveX component provides a direct connection to the Trio MC controllers via a PCI bus, USB, Serial or Ethernet link. It can be used in any Windows programming language supporting ActiveX (OCX) components such as Visual Basic, Visual C, C++ Builder, etc.
Compatible with: MC224, PCI208, MC206(X), MC302X, MC302-L, MC302-K, Euro209, Euro205(x), MC216, MC204, MC202, MC2
Trio PC Motion Free Download

(Note: In order to download the software from TRIO website the user needs to register with TRIO, which is free).

- 3. Start Motion Perfect 2.
- 4. Go to Options Communications.



5. If USB is not listed in Ports Box click Add and select USB then press OK.

Configure Communications	Add Port
Ports Add COM1 Add Delete Add/Delete Packet Comms only available when not Controller system version 1.48 or greater) Image Controller message timeout Max = 100) 20 OK OK	Port Type Port C Serial C USB C Simulation C Ethernet C PCI OK Cancel

After USB is added to the *Ports Box* use the arrows to put the USB port at the top of the priority list. This will speed up the connection for cases when there is more than one port available as the USB port will be checked first.

Ports		
COM1 USB	Add	NOTE: Add/Delete
COM4	Delete Delete Configure	ports and change Packet Comms only available when not connected

6. Go to Controller – Connect.

🔓 Motion Perfect 2						
Project	Controlle	r Program	Tools	External	Options	Wind
1	Con	nect			Ctrl+Alt+	-C
Controll	Disc	Disconnect		Ctrl+Alt+	D	
C Fixe	Con	nect to simul	lator		Ctrl+ALt-	+S

Once the connection is established press *OK*. Press *OK* again when the message *Project Checked OK* is displayed in the *Check Project window*.

7. Go to Project – Load project...

6 N	Notion Perfect 2				
Proj	ect Controller	Program	Tools	External	0
	New project				
	Load project				

Select the desired Trio project from the CD/CDs containing Trio Projects that was/were shipped with the phantom and press *Load*.

Load Project		×
Disk directory		Project contents
Computer Computer Computer CIRS Model 008A CIRS Model 008A CIRS Model 008A CIRS Model 008A Control Panel Public Dynamic Phantom Network CIU_Platform_2010(MC206X) CUU_Z325_2010(MC206X) CUU_Z325_200(MU2U_Z325_200(MU2UU_Z325_200(MU2UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	* III	CIRS Model 008A MC206x@ INITIALIZE TEST A_LINEAR A_SURROGATE M_PAUSE M_RESUME M_START M_STOP M_MOVESTART A_ROTATIONAL
Select project directory	:	Select project
CIRS Model 008A		Recent Projects

8. Press Yes to acknowledge the message in Project Manager window.

Project Manager			
This will erase the actual contents of the controller and load the project E:\CIRS Model 008A\CIRS Model 008A.prj in its place. Are you sure?			
Yes No			

Optional: To lock the Trio Project for editing click *Fixed* in the *Controller status box* and press *OK* in the message window.



Once the Trio Project is fixed in controller the following is displayed. Press *OK* to acknowledge the message.

G Motion Perfect 2	
Project Controller Progra	am Tools External Options Window Help
/= # 🖸 🖡 💾 !	👪 🚍 🔞 📕 🗐 🔳 🗣 🖼 🥭 🔌
Controller status	Program Flash EPROM
Drives Enabled	Programming
Axis status error	Verifying Done
Run Program OK	
A_SURROGATI V	
M_PAUSE	
M_RESUME	OK

- 9. After the loading of the Trio Project is done close the connection to the controller using either the disconnect icon either the disconnect icon or by going to *Controller Disconnect*.
- 10. Exit Motion Perfect 2.
- 11. Start CIRS Motion Control.

Controller use for both Model 008A (Dynamic Phantom) and Model 008PL (Dynamic Platform)

Repeat the above steps (steps 1 and 2 are not necessary anymore if they were performed once) making sure that the Trio Project, which mentions Model 008PL (Dynamic Platform) is selected in step 7.