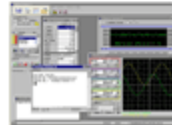## Upgrade/Load TRIO Programs

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

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

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

   (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	Type
Install_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
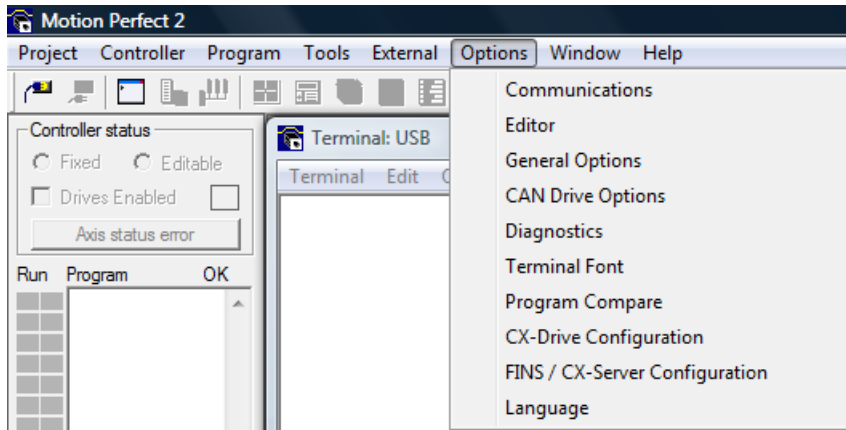
   Trio PC Motion

   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
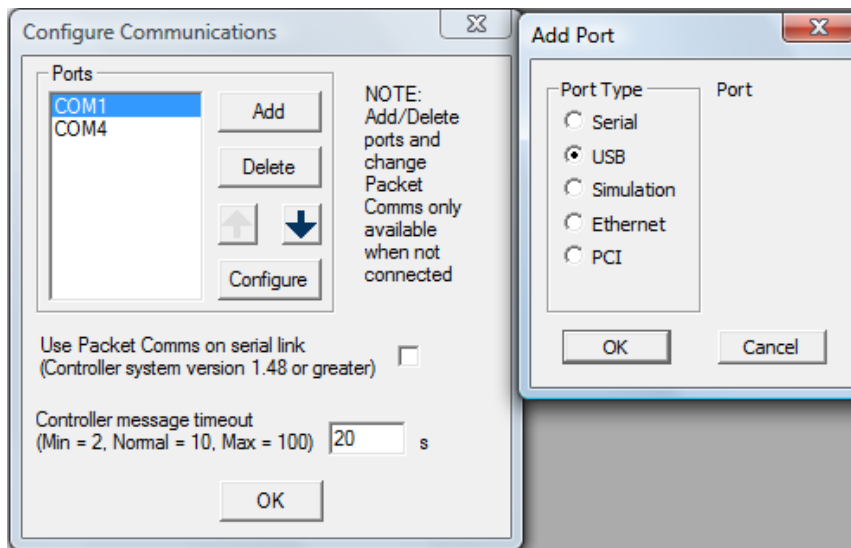
   Trio PC Motion Free Download

   (Note: In order to download the software from TRIO website the user needs to register with TRIO, which is free).
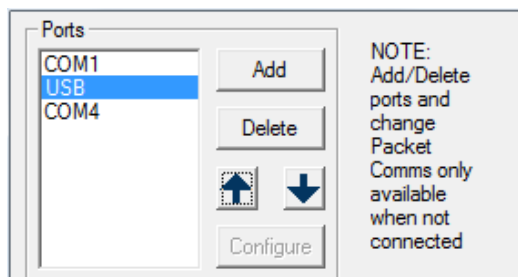
3. Start Motion Perfect 2.
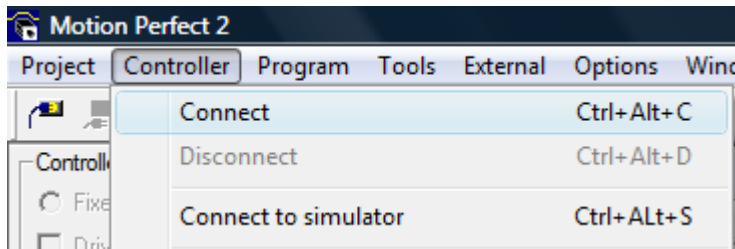4. Go to *Options – Communications*.

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

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.
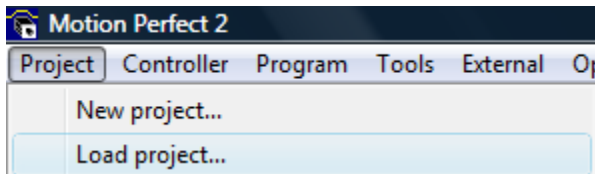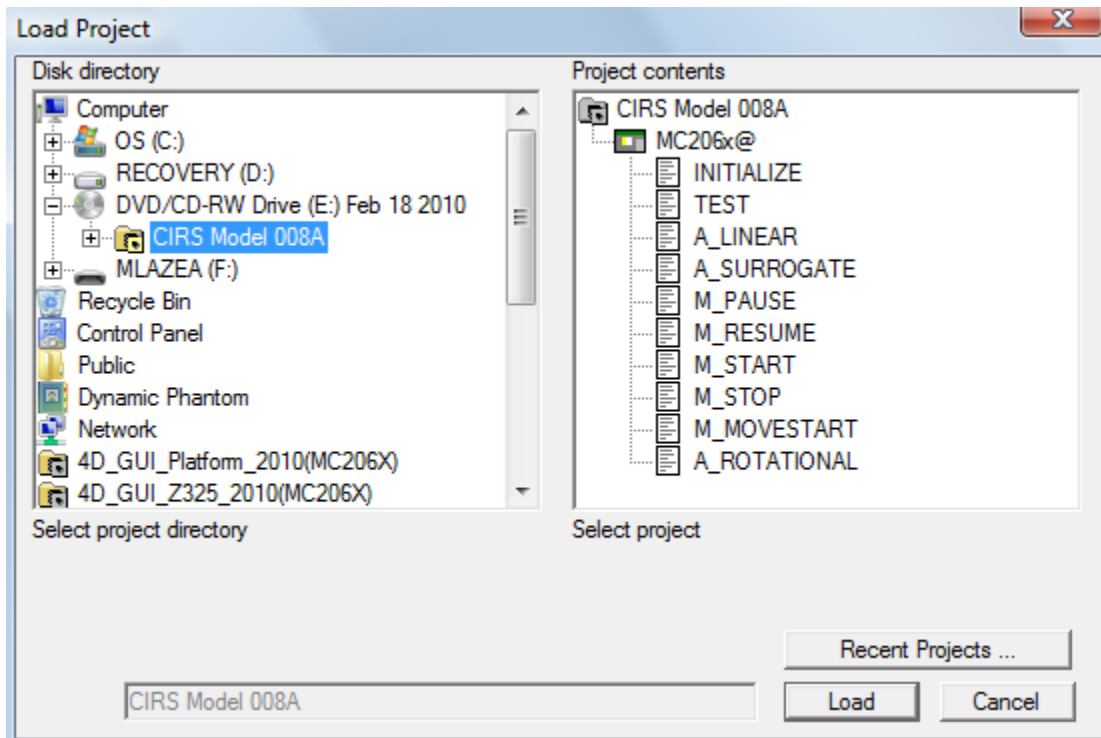
6. Go to *Controller – Connect.*

Once the connection is established press *OK.* Press *OK* again when the message *Project Checked OK* is displayed in the *Check Project window.*
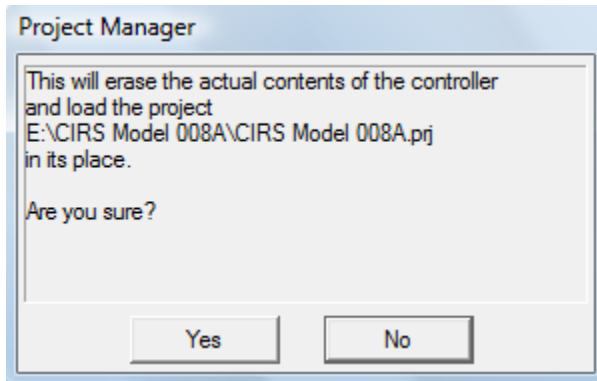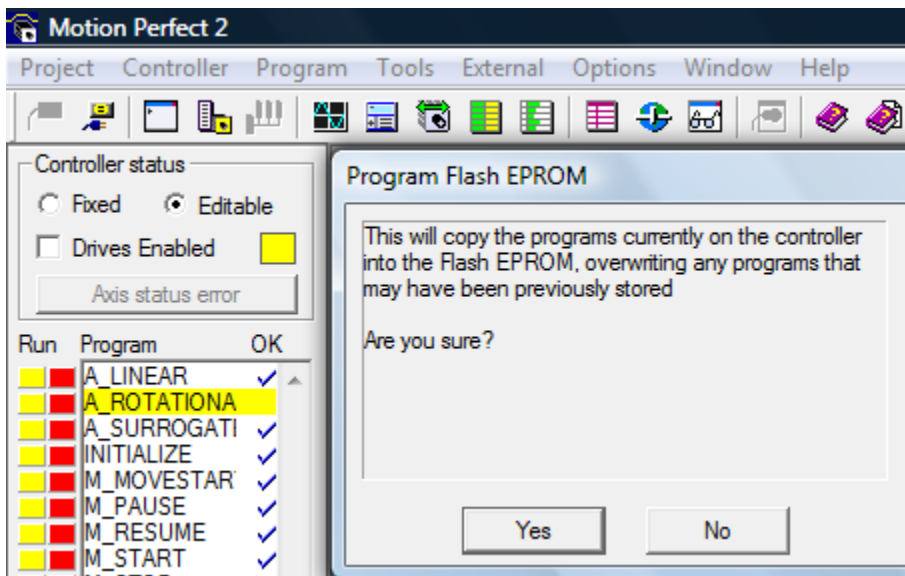
7. Go to *Project – Load project…*

Select the desired Trio project from the CD/CDs containing Trio Projects that was/were shipped with the phantom and press *Load.*
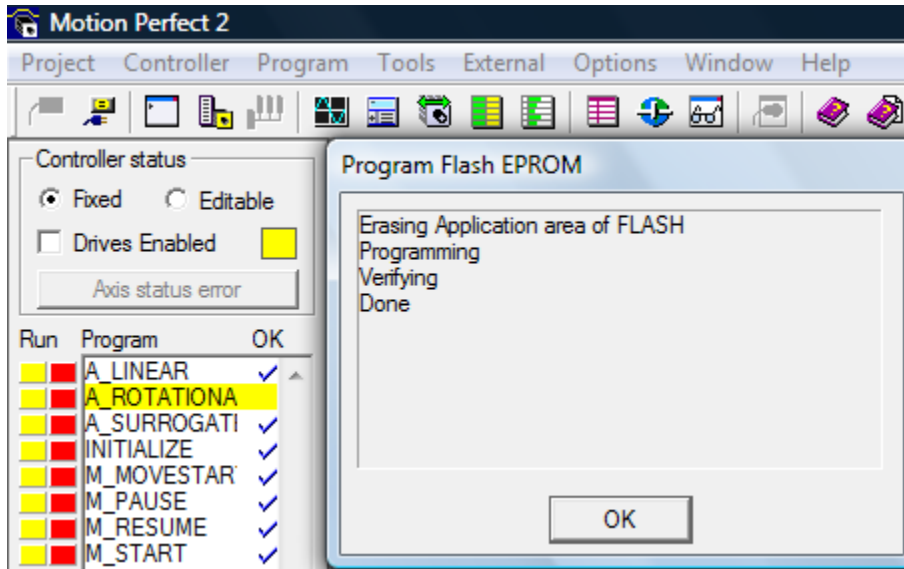
8. Press *Yes* to acknowledge the message in *Project Manager window.*

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.

Motion Perfect 2

Project   Controller   Program   Tools   External   Options   Window   Help

Controller status
○ Fixed   ● Editable
☐ Drives Enabled   ▢

Axis status error

Run	Program	OK
	A_LINEAR	✓
	A_ROTATIONA	
	A_SURROGATI	✓
	INITIALIZE	✓
	M_MOVESTAR	✓
	M_PAUSE	✓
	M_RESUME	✓
	M_START	✓

Program Flash EPROM

This will copy the programs currently on the controller
into the Flash EPROM, overwriting any programs that
may have been previously stored

Are you sure?

| Yes | No |

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

9. After the loading of the Trio Project is done close the connection to the controller using 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.