FASTECH

Fast, Accurate, Smooth Motion Control

Ezi-SERVOII-EC operating manual for TRIO 'MC4N'

Ezi-SERVO®

Closed Loop Stepping System

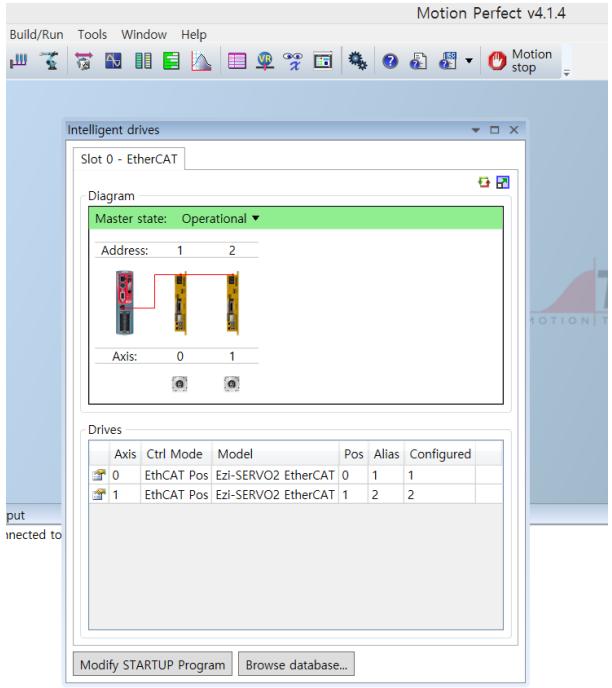
▣ ESI(XML) registration

❑ There is no need for user registration process of FASTECH ESI file (XML) to TRIO MC4N master

❑ FASTECH's ESI (XML) file has been sent to TRIO already, and TRIO has registered all related information on common firmware of TRIO MC4N EtherCAT master .

❑ When click to intelligent drives from Tools menu , current connected Drive axis can be checked.

❑ USER can use FASTECH Drive with TRIO MASTER MC4N by program making directly to use of TRIO BASIC tool , or to load the Premade program .



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▣ Program installation

❑ http://www.triomotion.com/ site access -> user registration

→ To download program , User registration is required.

MC664-X

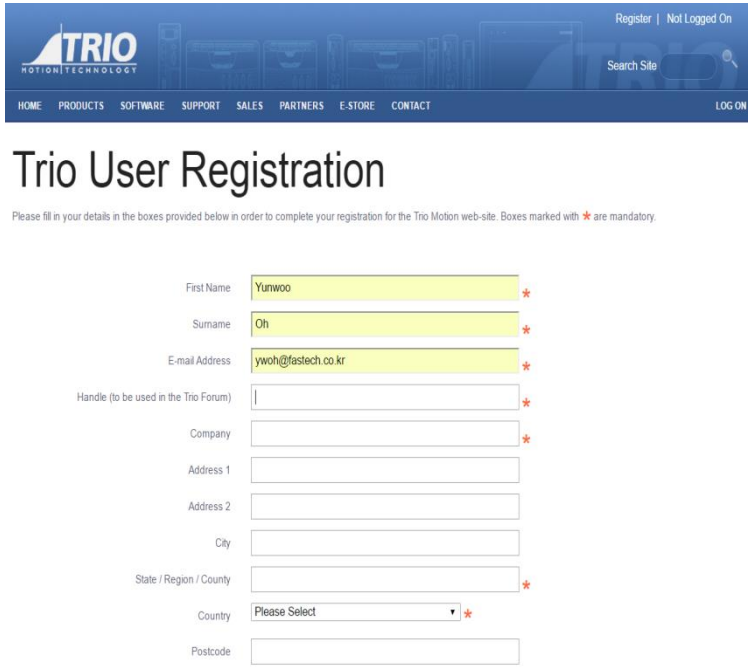
NEW from Trio

The new MC664-X features a Quad Core 1GHz A9 processor allowing up to 128 axes and 50us servo updates for 8 axes.
It has built-in EtherCAT and also supports a wide variety of other communication protocols.
Trio's highest performance and most flexible *Motion Coordinator*!

MC508...

NEW from Trio

The MC508 is a high specification *Motion Coordinator* using a high performance ARM Cortex A9 800 Mhz Processor, with eight Voltage outputs and eight flexible axis ports, that can be configured for up to sixteen pulse and direction output axes or eight closed loop servo axes.



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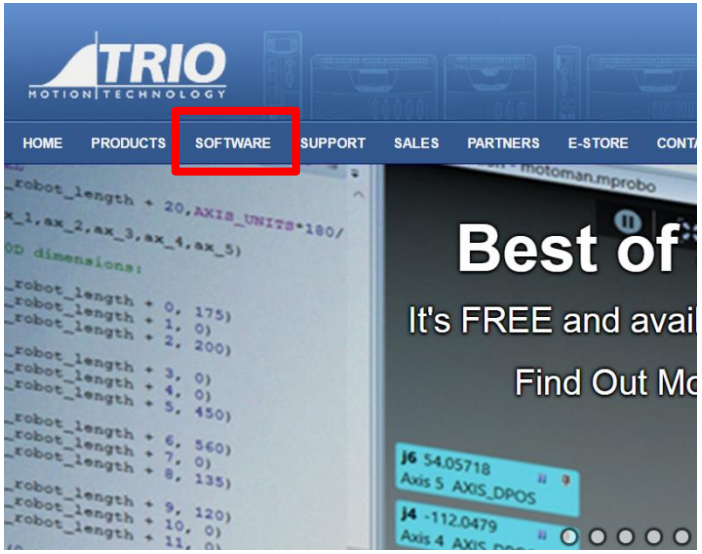
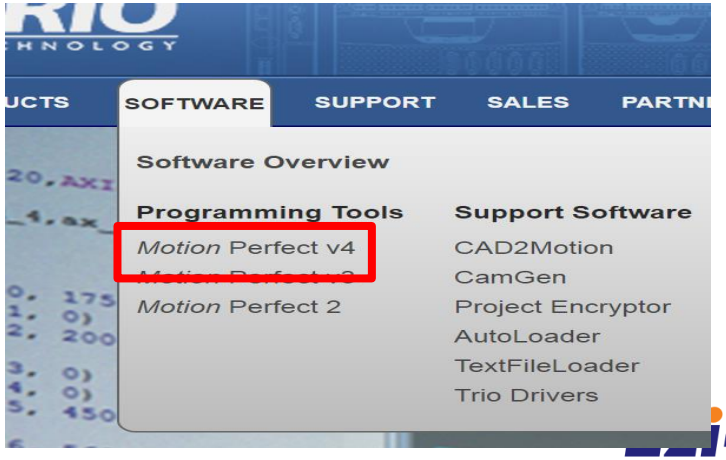
▣ Program installation

❑ After User registration, to click Software menu from Home toolbar

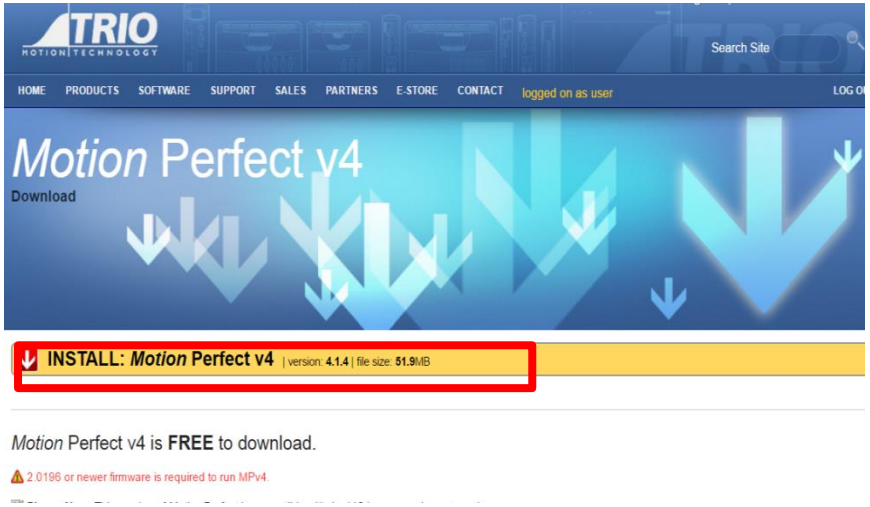


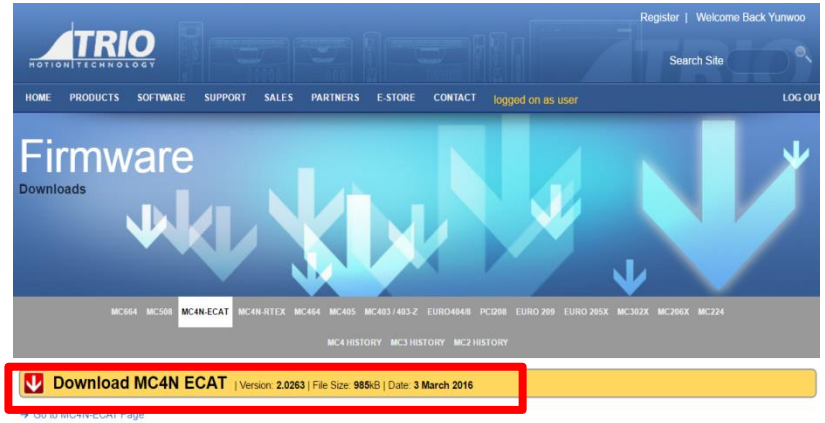
❑ Select to Motion Perfect V4



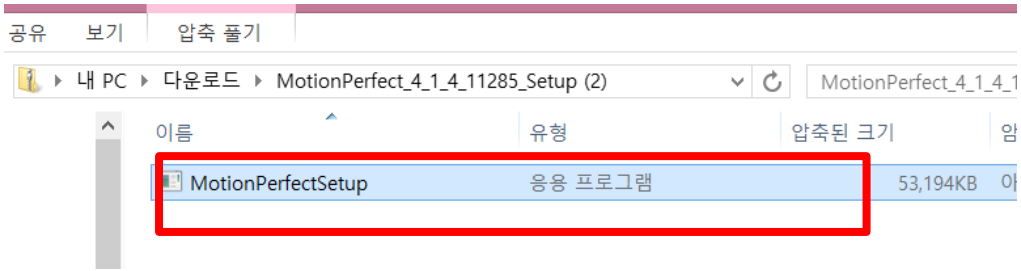
▣ Program installation

❑ Program & F/W down load



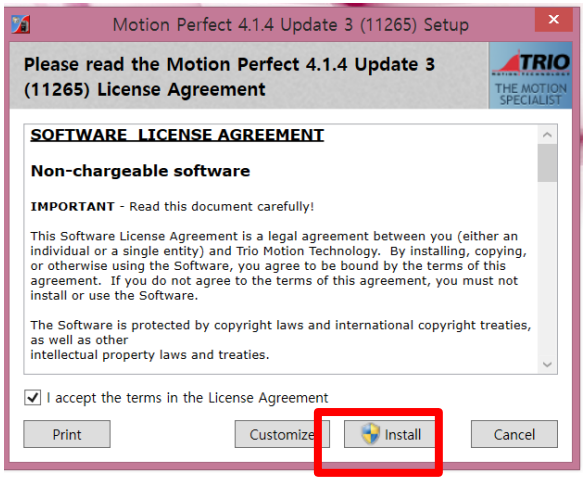


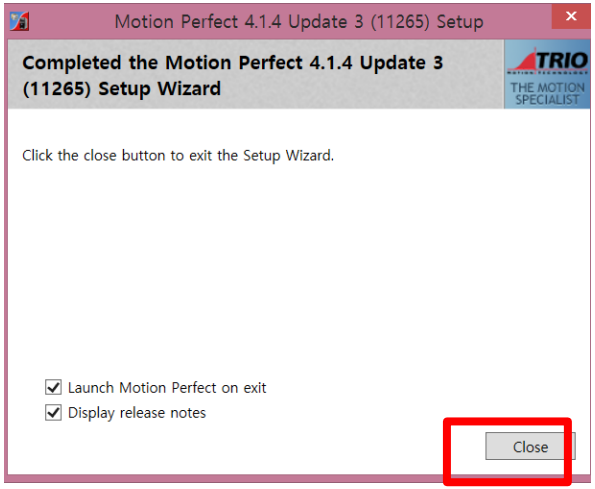
❑ After Program download, execute the set up program



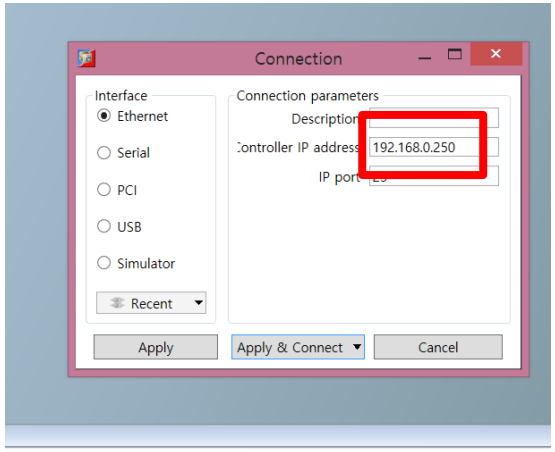
▣ Program installation

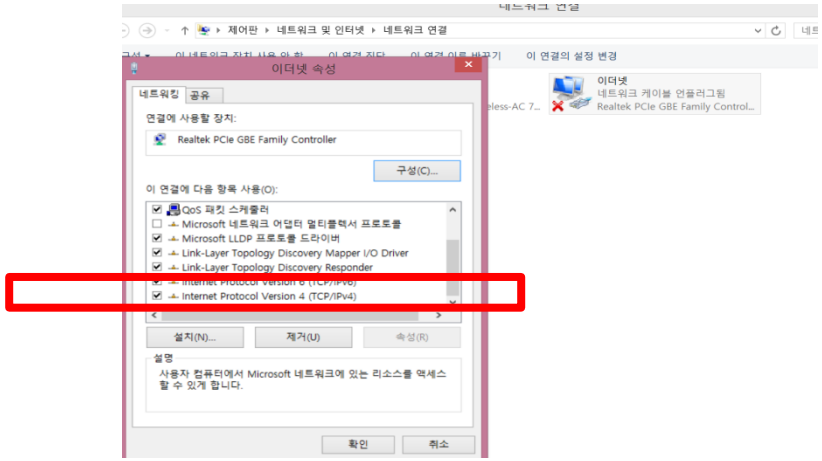
❑ program installation





❑ To connect Ethernet communication connection after controller Ethernet IP check & change setting condition (192.168.0.250)





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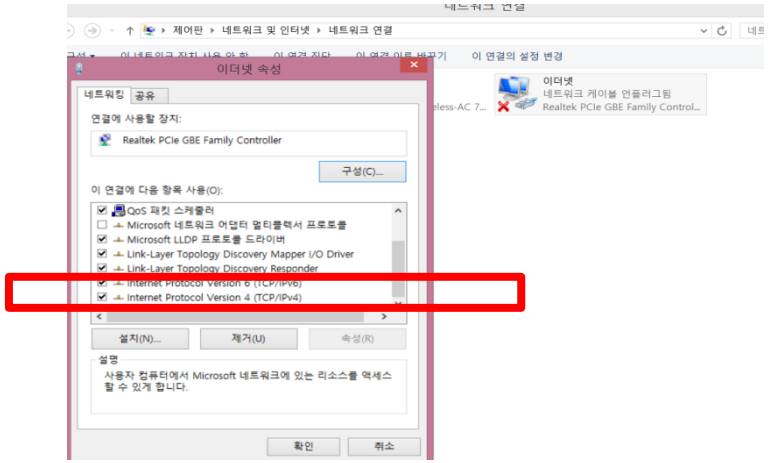
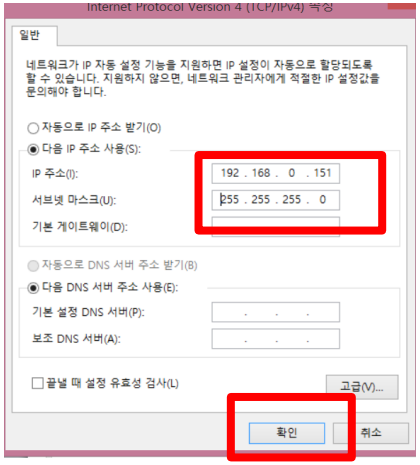
▣ Program installation

❑ Click to Ethernet property (internet protocol version 4 (TCP/IPv4)



❑ Input the changed address not to conflict to controller IP (192.168.0.250) → ex) (192.168.0.251)



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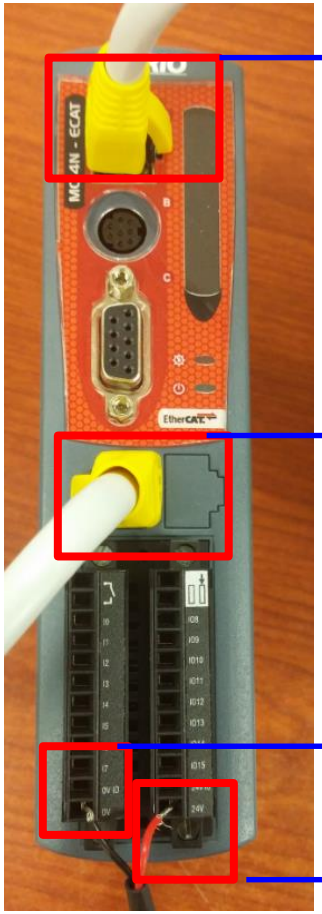
▣ Drive connection with Master

❑ Master connection



Ethernet connection port to PC （ Pc internet port ）_ Use for Master program set up

PORT for EtheCAT cable connection （ Opposite connection port is “ECAT IN” port of FASTECH EtherCAT Drive ）

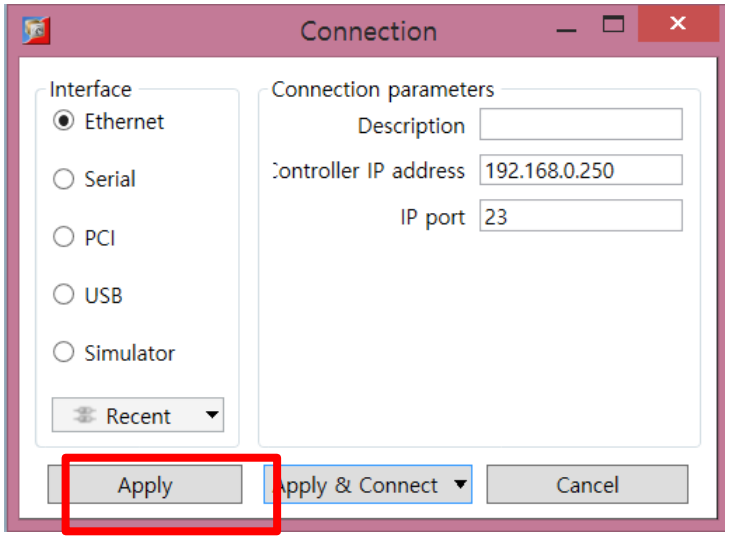
Ground connection port

24VDC connection port

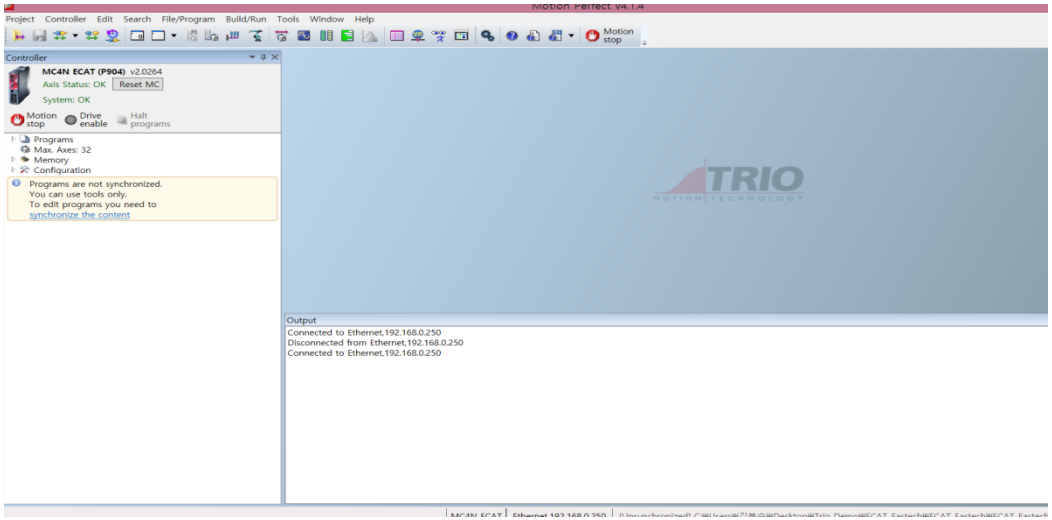
❑ Input power & connect to Motion Perfect v4 program

▣ Program Operation

❑ Connect to Program



❑ Activating program window



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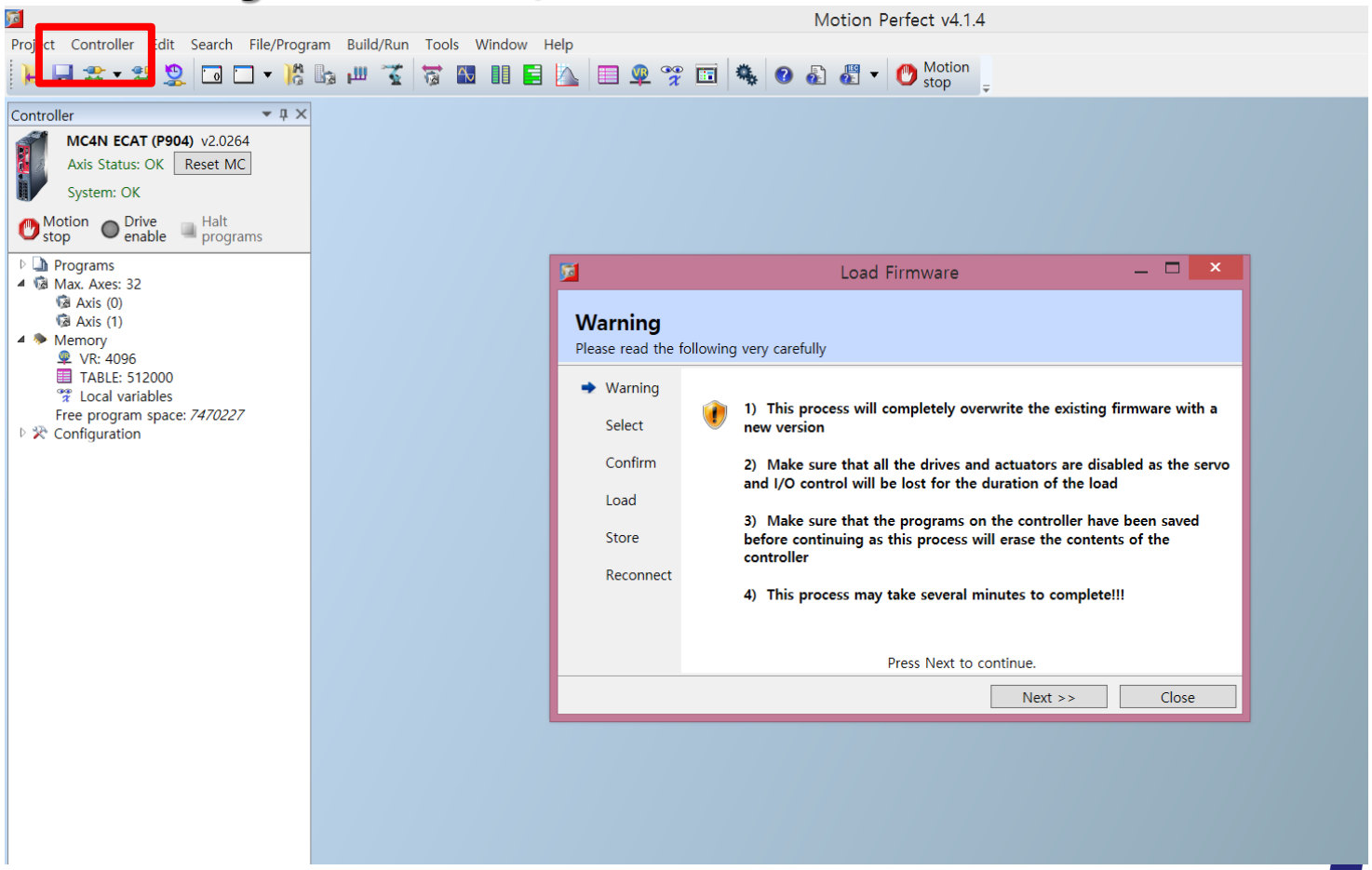
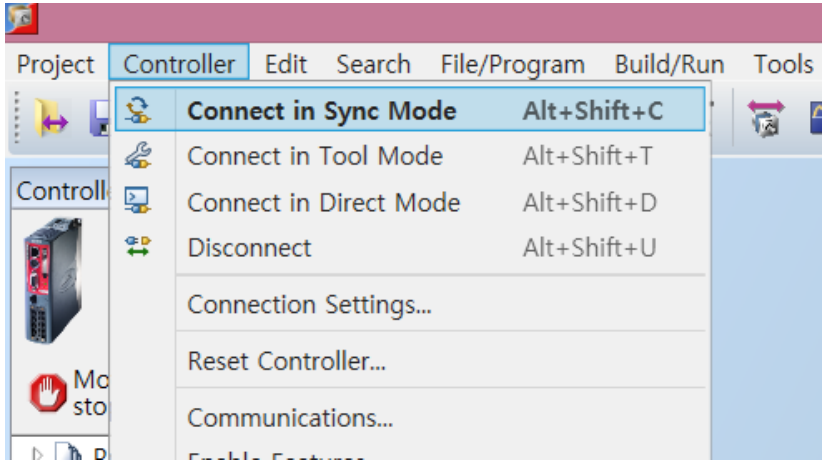
▣ Program Operation

❑ After clicking the controller menu from the toolbar , click to Load firmware menu to down load F/W (TRIO master F / W Lim _ Our Drive F / W containing information)

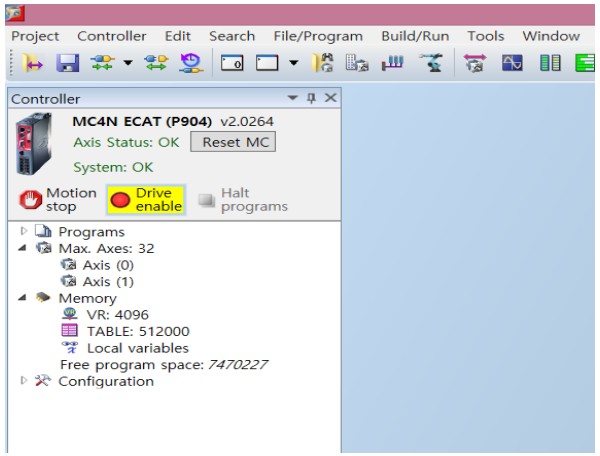


▣ Program Operation

❑ After the F/W down load, click to sync mode from Controller menu in the toolbar

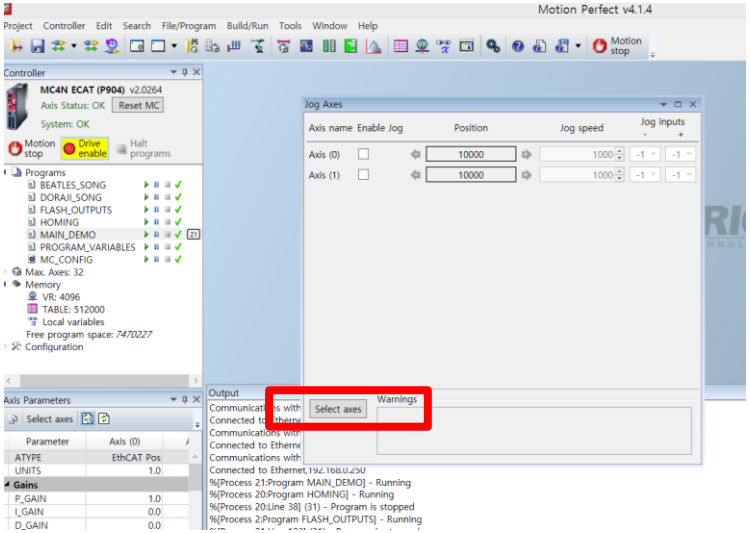


❑ Activating the Drive Enable

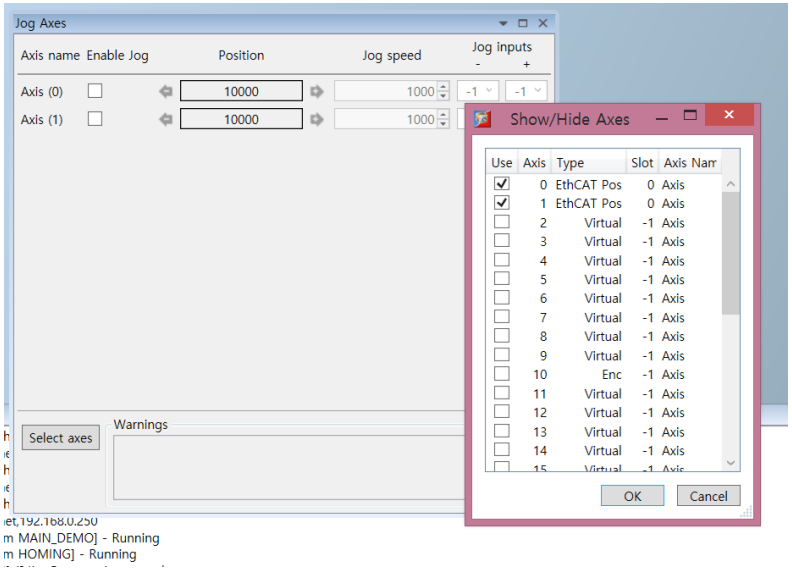


▣ Program operation (Jog motion)

❑ Select Jog mode to click to jog Axes on the Tools menu



❑ Click to Select axes to assign the axes



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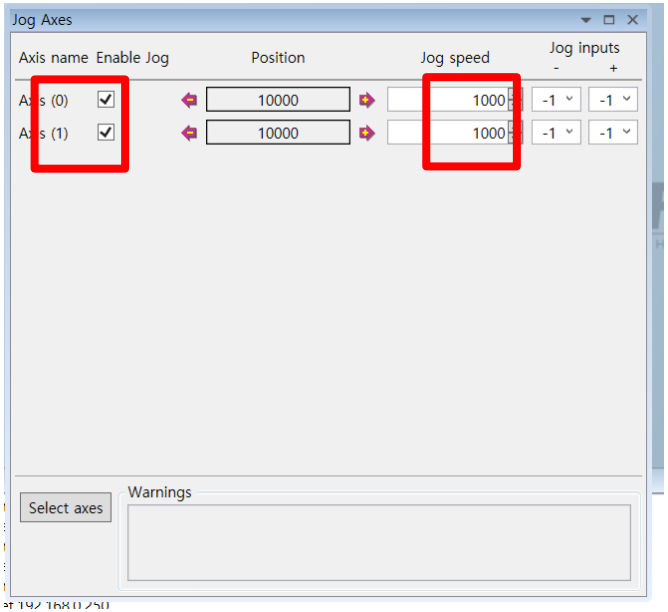
▣ Program operation (Jog motion)

❑ Jog axes setting

1. Click to each axes to activate
2. Setting the jog speed
3. Jog input setting
   - Jog input – / +

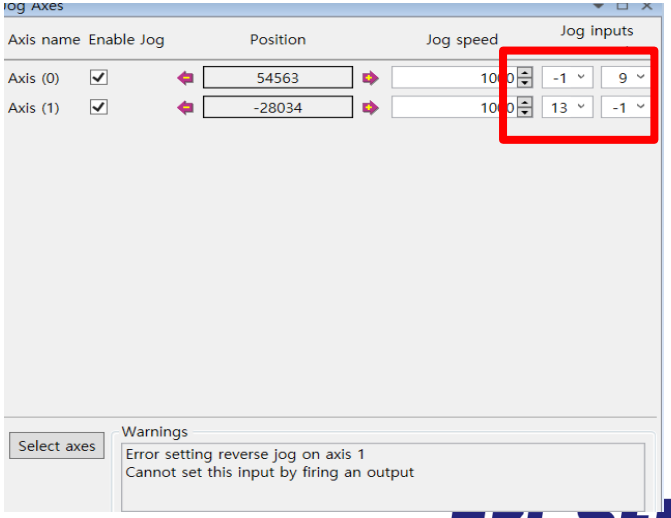
   Each Items can be driven by the specified value changing
   - - is CCW direction motion / + is CW direction motion



❑ Jog motion

1. The axis to specified to -1 is does not operating jog motion and the other axis to specified to +1 operating jog motion as set to jog speed

2. If all axis to change to – value , Jog motion will stop.



We are a pioneer changing the history of step motor !!

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