

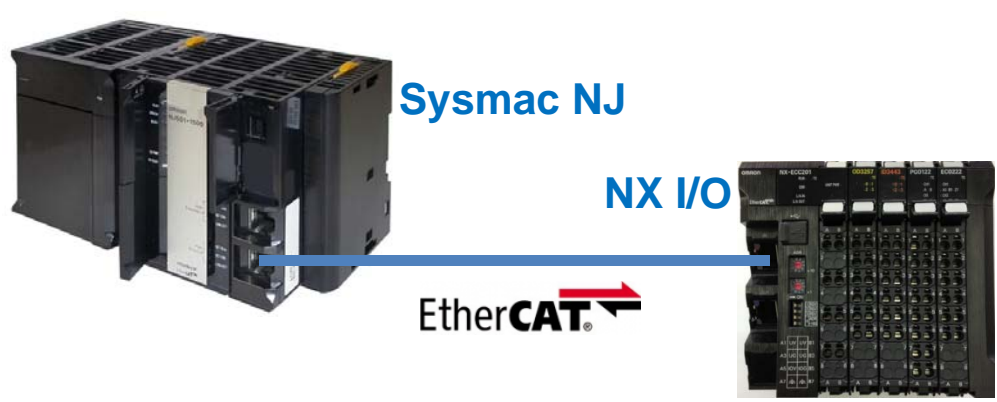
NX I/O EtherCAT Offline Setup

Quick Start Guide

How to setup the NX I/O with EtherCAT Coupler offline using Sysmac Studio and downloading the configuration to the Sysmac NJ

Watch the corresponding video on YouTube: NX I/O EtherCAT Offline Setup
<http://youtu.be/uKsf4FDfno>

Hardware Setup



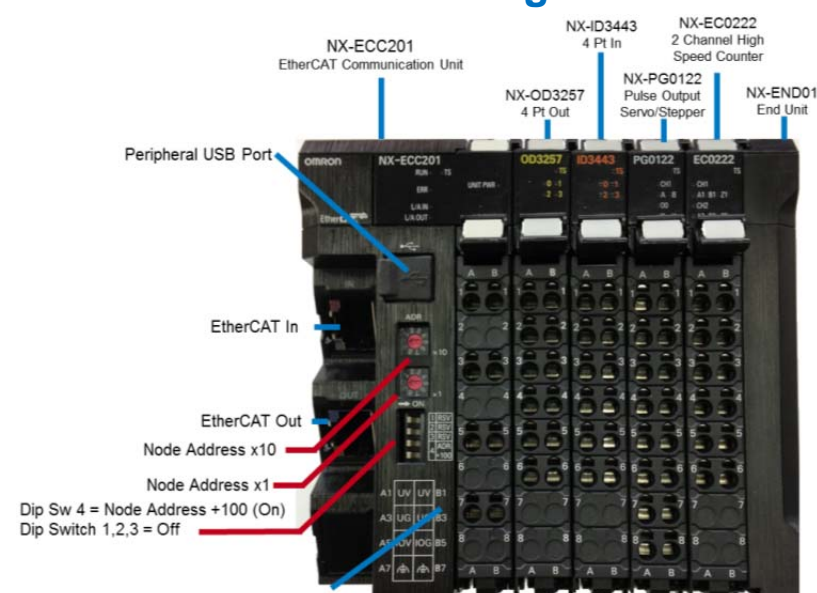
Hardware Setup

Sysmac NJ

NX I/O

EtherCAT

NX I/O Configuration



NX I/O Configuration

NX-ECC201
EtherCAT Communication Unit

NX-OD3257
4 Pt Out

NX-ID3443
4 Pt In

NX-PG0122
Pulse Output Servo/Stepper

NX-END01
End Unit

Peripheral USB Port

EtherCAT In

EtherCAT Out

Node Address x10

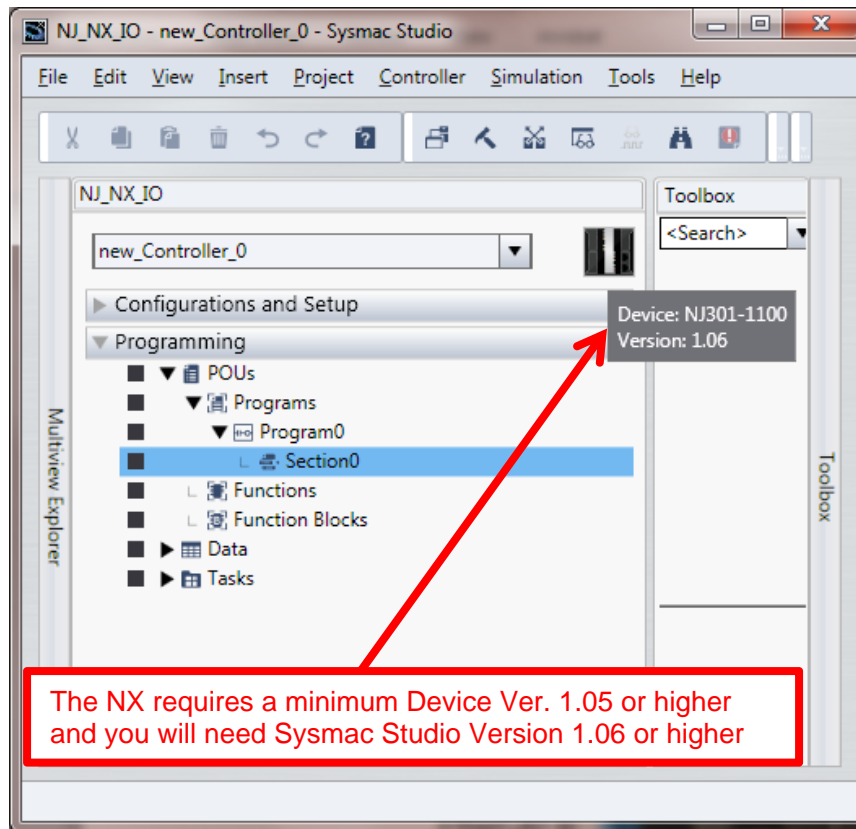
Node Address x1

Dip Sw 4 = Node Address +100 (On)

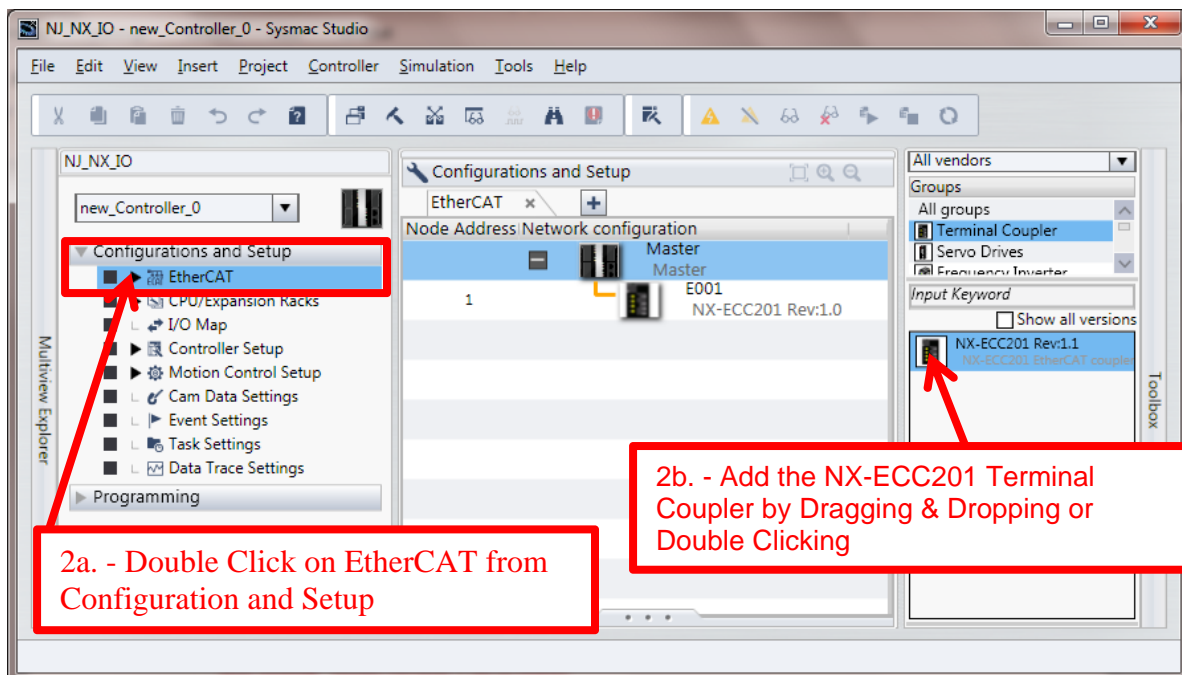
Dip Switch 1,2,3 = Off

Requires: NJ Firmware Version 1.05 or higher
Sysmac Studio Version 1.06 or higher

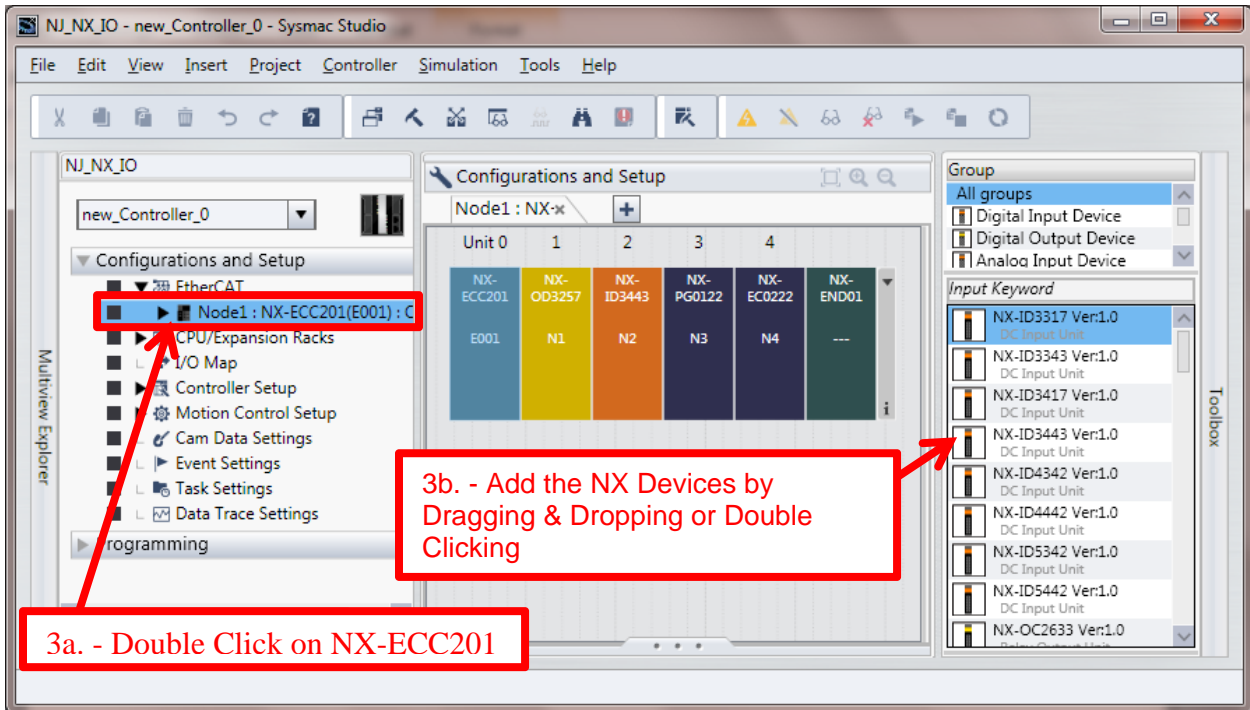
1. Create a Project in Sysmac Studio



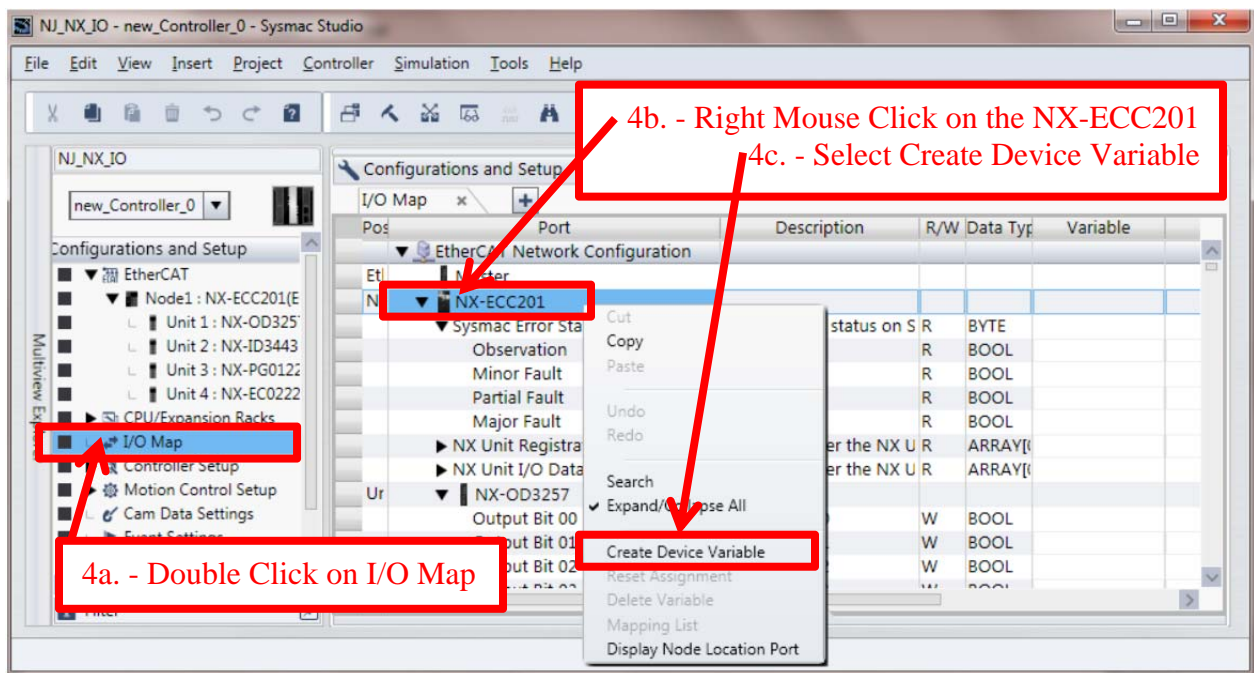
2. Add EtherCAT Coupler to the Master



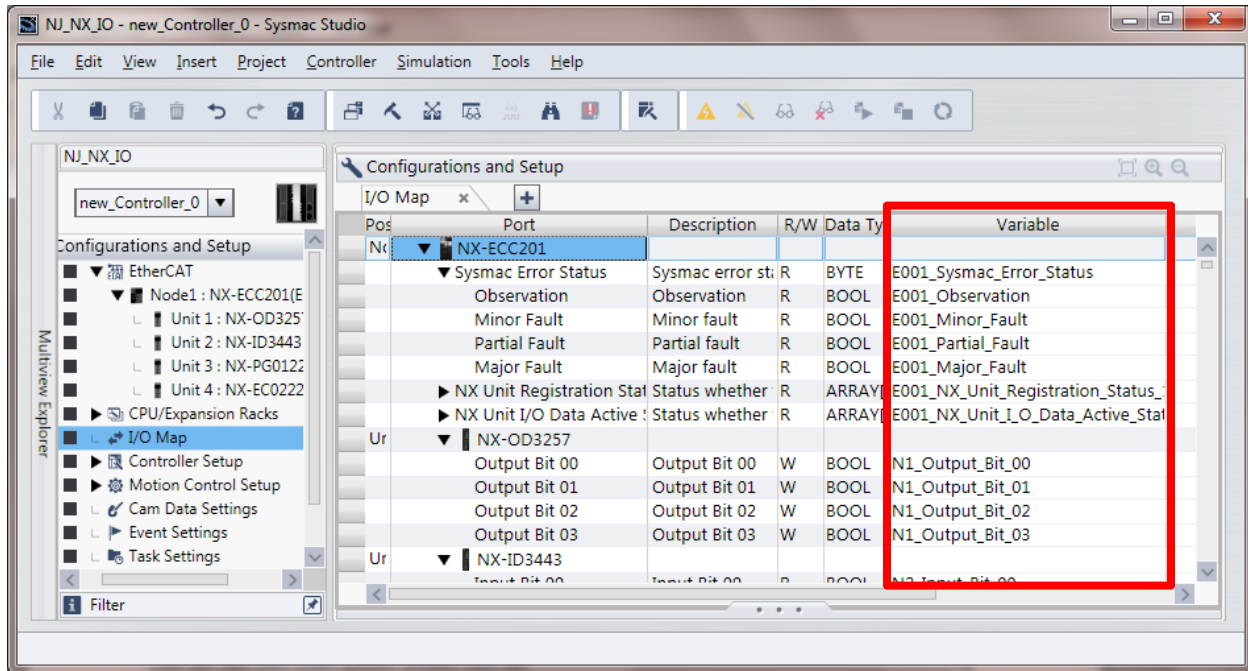
3. Add NX Devices



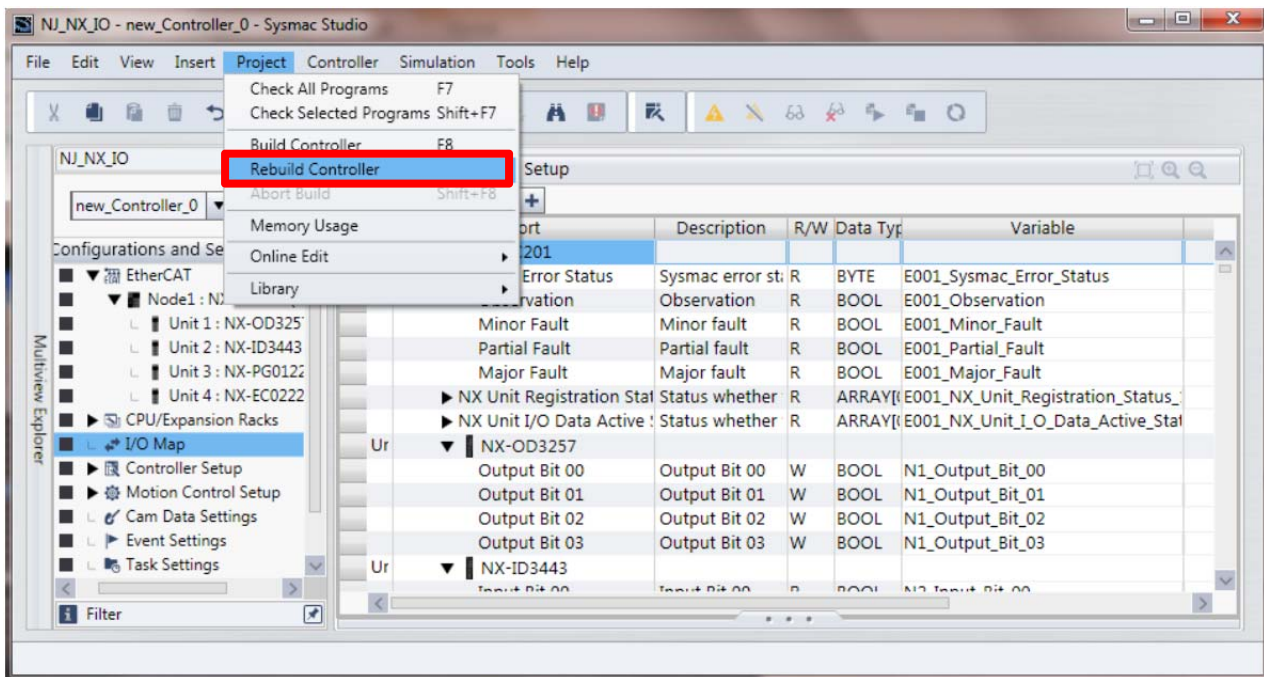
4. Create Device Variables



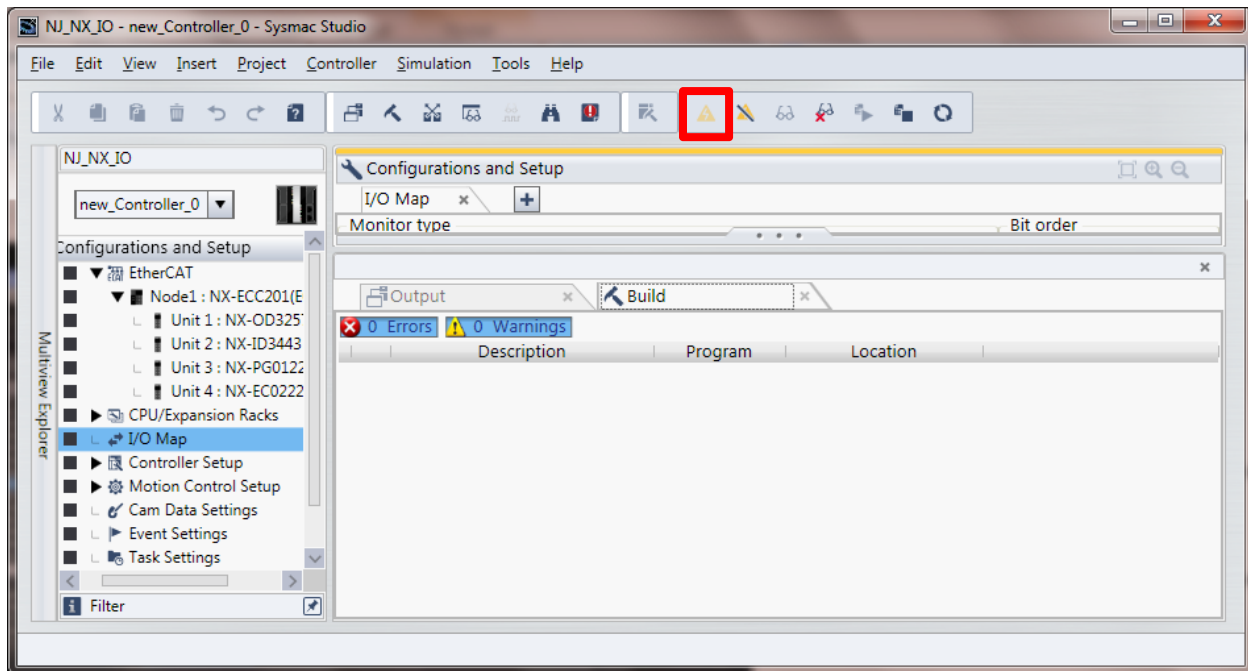
5. Observe the Device Variables Created



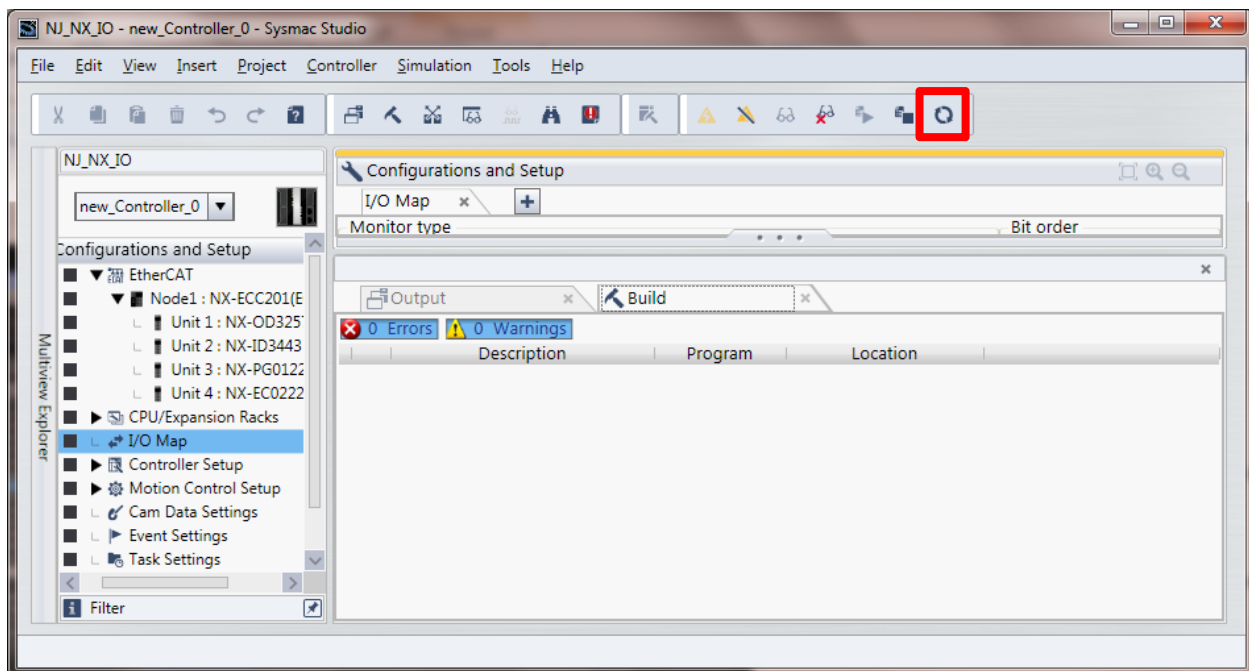
6. Rebuild Controller (compile)



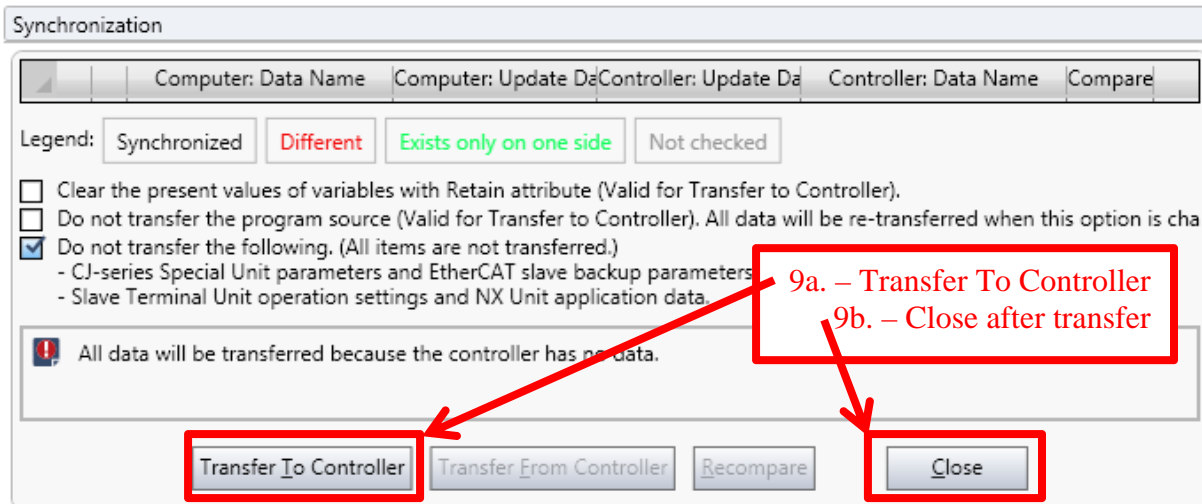
7. Go Online (default is USB)



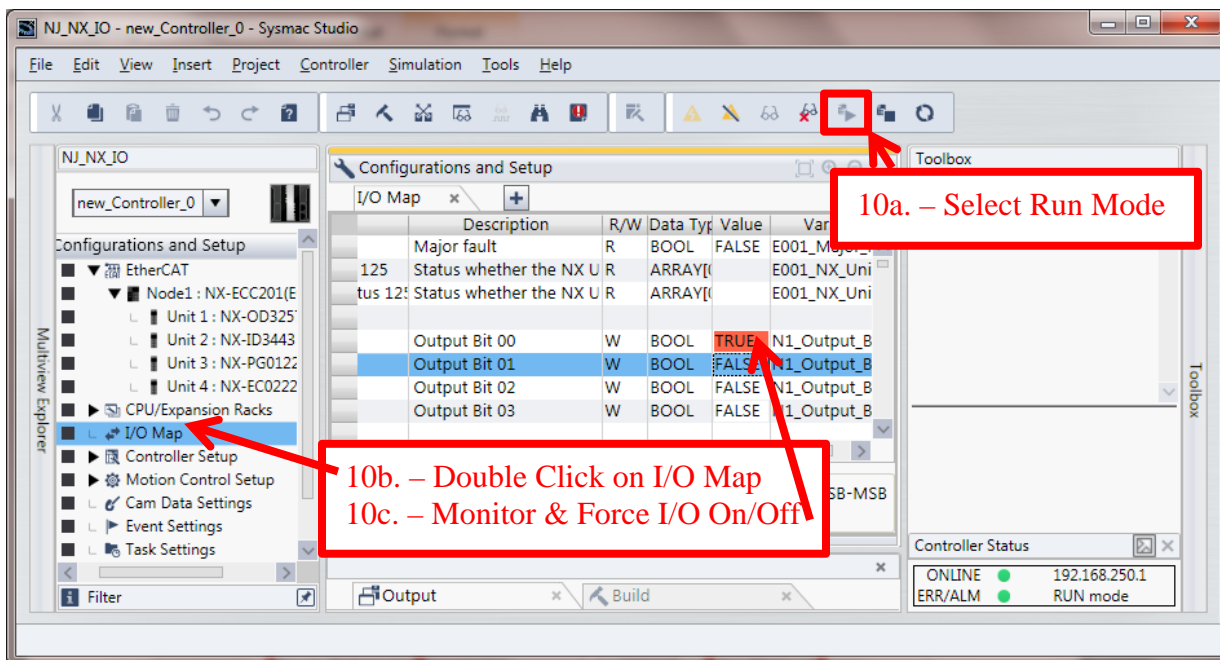
8. Synchronize



9. Transfer To Controller



10. Go to Run Mode



This completes the Quick Start for the
Offline Setup of the NX I/O with the EtherCAT Coupler.

Please visit our YouTube Channel for Omron Quick Tip and other videos:
<https://www.youtube.com/user/OmronAutomationTech>