

Change NX Safety Coupler Version Quick Start Guide

This guide shows how to change the coupler version in an existing program without losing programs or configurations. This is most likely needed if programming was done off-line and there are version differences between what was used and the actual hardware.

In Sysmac Studio Program

- 1. Go online. Menu -> controller -> online (or online icon)
- 2. If you get this pop-up, press "OK".

Monitoring		
!	The program on the Safety CPU Unit does not match the program in me	mory. Monitoring will not be possible.
	ОК	

3. Compare program to actual hardware.

Multiview Explorer -> Configurations and Setup -> double click on EtherCAT (or right click and select edit)-> Right click on the master icon -> Compare and merge with actual network configuration -> Apply actual network configuration -> apply -> close -> close

4. Confirm the versions.

	Compare and Merge with Actual Network Configuration	Configurations and Datas		-	_	
	Node Address Network configuration on Sysmac Studio	Node address Actual network configuration	Netw	Comparison result	Actua	Lower Configuration
l	Master Master	Master	Mast	Matched	Mast	
	1 F001 NX-ECC201 Rev:1.2	1 NX-ECC201 Rev:1.1 -		Added	1 : N	
l		1	1 : N	Removed		

5. NOTE: If you select "Apply Actual Network Configuration", it will delete all programs and connections for the modules on that coupler. If you accidently do this, close the program without saving.

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- 6. Go offline.
- 7. Right click on the coupler.



- 8. From the pull down list, select "edit slave terminal configuration."
- 9. Click on the first I/O module (or NX CPU) on the terminal.

EtherCA	т >	Nod	e1:NX-8	EC(X	+		
Unit 0	1	2	3	4	5		
 NX- ECC201 E001	NX- SL3300 N1	NX- SID800 N2	NX- SIH400 N3	NX- SOD400 N4	NX- SOH200 N5	NX- END01	•
							i

10. While holding down the "Ctrl" key, select the rest of the I/O modules. (You can also select the first module, and select the last module while holding the "Shift" key.

EtherCA	T ⇒	Nod	e1:NX-E	EC (X	+		
Unit 0	1	2	3	4	5		
NX- ECC201	NX- SL3300	NX- SID800	NX- SIH400	NX- SOD400	NX- SOH200	NX- END01	•
E001	Nl	N2	N3	N4	N5		
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- 11. Right click.
- 12.Cut.
- 13. Go back to EtherCAT configuration.

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14. In the toolbox,	select "Terminal	Coupler" from	the groups.
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15. If the version needed is not listed, check the box for "Show all versions."



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- All vendors Configurations and Setup Groups ÷ EtherCAT Node1 : NX-× × All groups Node Address Network configuration Terminal Coupler Master Servo Drives -Master Frequency Inverter 😑 Digital IO NX-ECC201 Rev:1. 🚍 Analog IO E001 🚍 Encoder Input 1 NX-ECC201 Rev:1.2 Input Keyword Show all versions NX-ECC201 Rev:1.0 NX-ECC201 Rev:1.1
- 16. Drag the new terminal coupler so it is attached to the master.

17. Right click.

18. "Edit slave terminal configuration."



19. Right click.

20. Paste.

4	🔧 Configurations and Setup								
	EtherCAT × Node1 : NX-× Node2 : NX-× +								
	Unit 0	1	2	3	4	5			
	NX- ECC201	NX- SL3300	NX- SID800	NX- SIH400	NX- SOD400	NX- SOH200	NX- END01	۳	
	E002	Nl	N2	N3	N4	N5			
								i	

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21. Go back to the EtherCAT configuration.

22. Select the original coupler version.



23. Right click.

24. Delete.

25. If needed, click on the address setting to enter a new address.

EtherCAT	×	× Node1 : NX-×	+					
Node Address	Node Address/Network configuration							
		Master Master						
		E002 NX-ECC201 Rev:1	.1					

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