How to use GX Works2 and CSP+ files

History

Revision	Date	Description	Responsible
0.10	2015-01-29	First draft	JHn / FrR
1.00	2015-01-29	First release	KaD / JHn / FrR
1.01	2015-02-24	Minor updates	KaD

Contents

1 Requirements

List all items needed to perform the steps in the application note here.

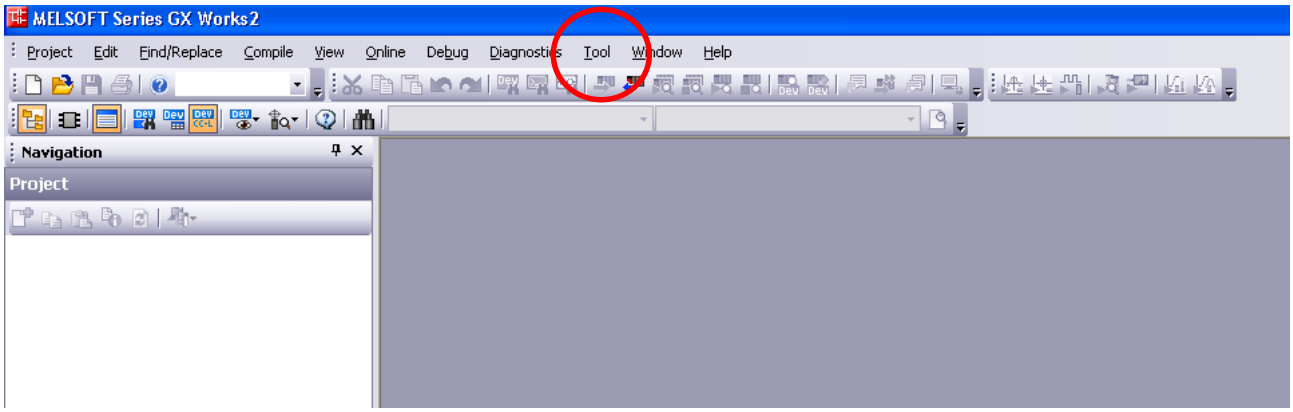
Description	Name / Type	Version
Configuration tool	GX Works2	1.98C
Configuration file	0x0212_ABCC-M40-CCL_1.00.04_en	1.00

2 Solution Overview

This document describes how to use GX Works2 and CSP+ files for CC-Link.

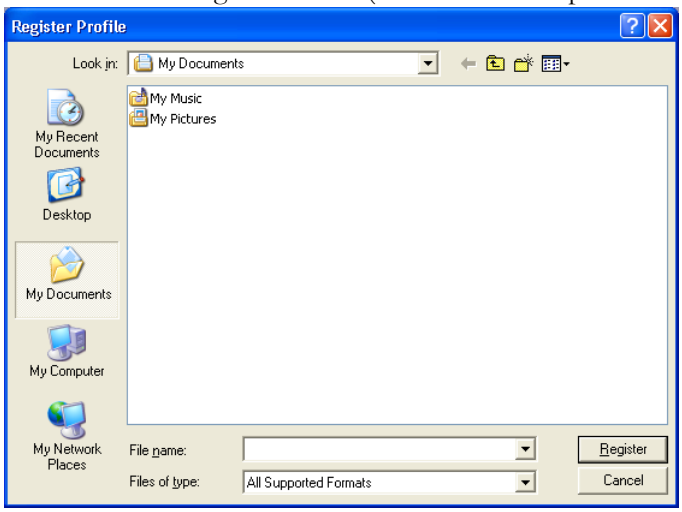
3 How to Use GX Works2 and CSP+ Files

Open GX Works2 (we are using 1.98C in this example)



Before opening or creating your GX Works2 project, do the following:

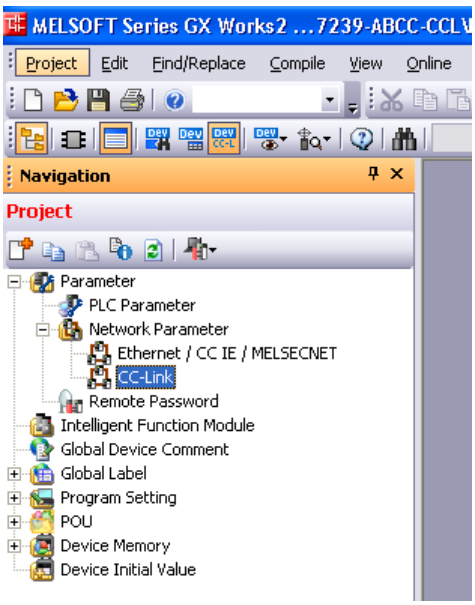
1. Choose Tool->Register Profile (browse for the zip-file including the CSP+ file).



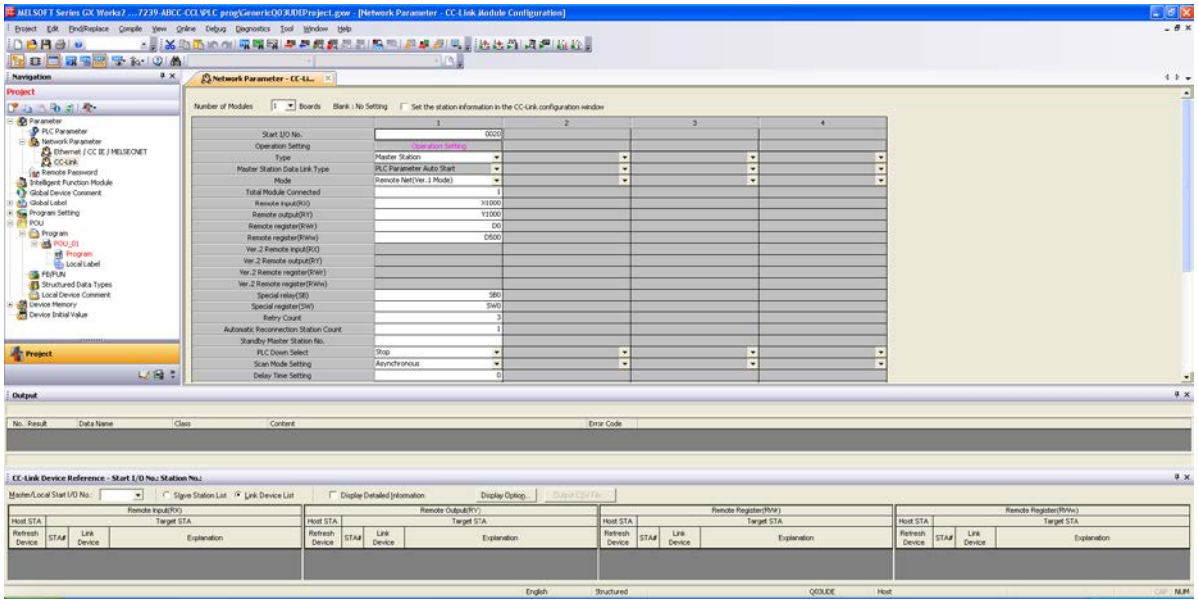
2. Select the zip-file and then push Register button.

Now you can open your GX Works2 project.

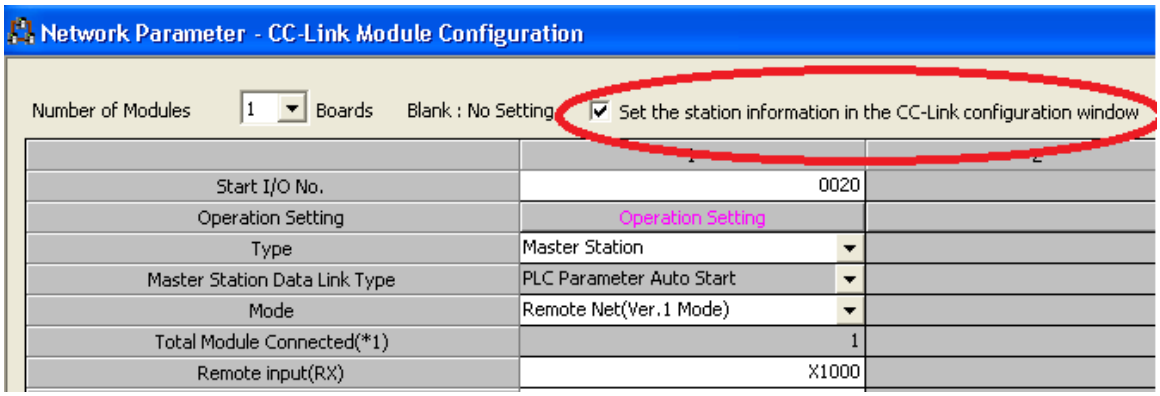
3. Select (double click) the Parameter->Network Parameter->CC-Link in the Project browser.

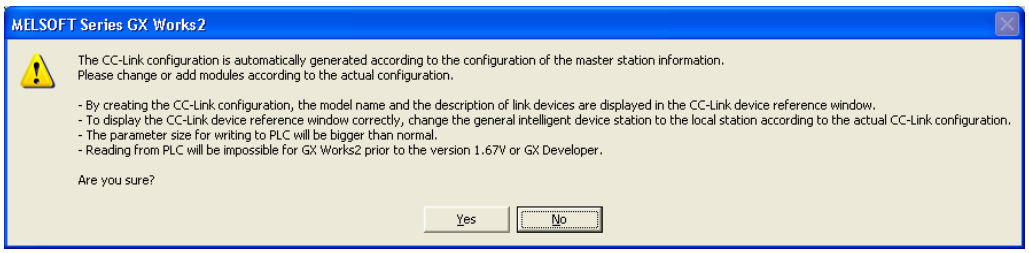


4. The current view.



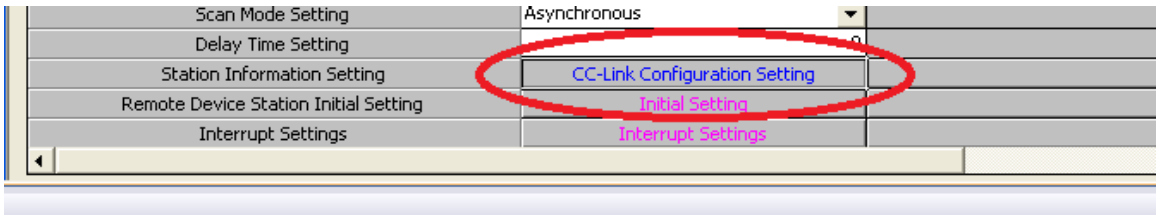
5. Check the check box "Set the station information in the CC-Link configuration window", to enable the additional configuration window.



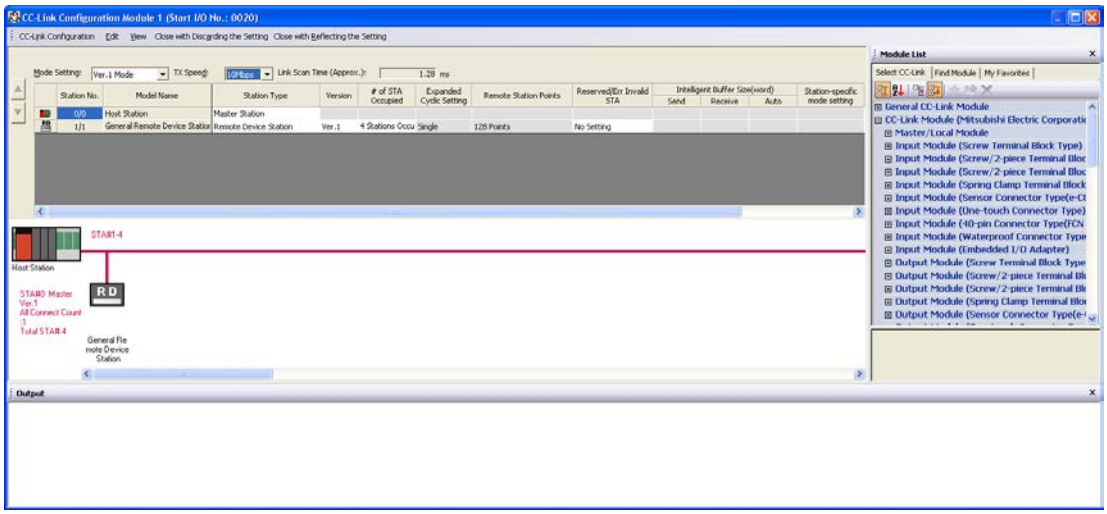


6. You will now use another window for network settings. There will be some differences in the handling of parameters downloaded to the PLC and in compatibility with older GX Works 2 versions. Click Yes.

7. Click the "CC-Link Configuration Setting" button.

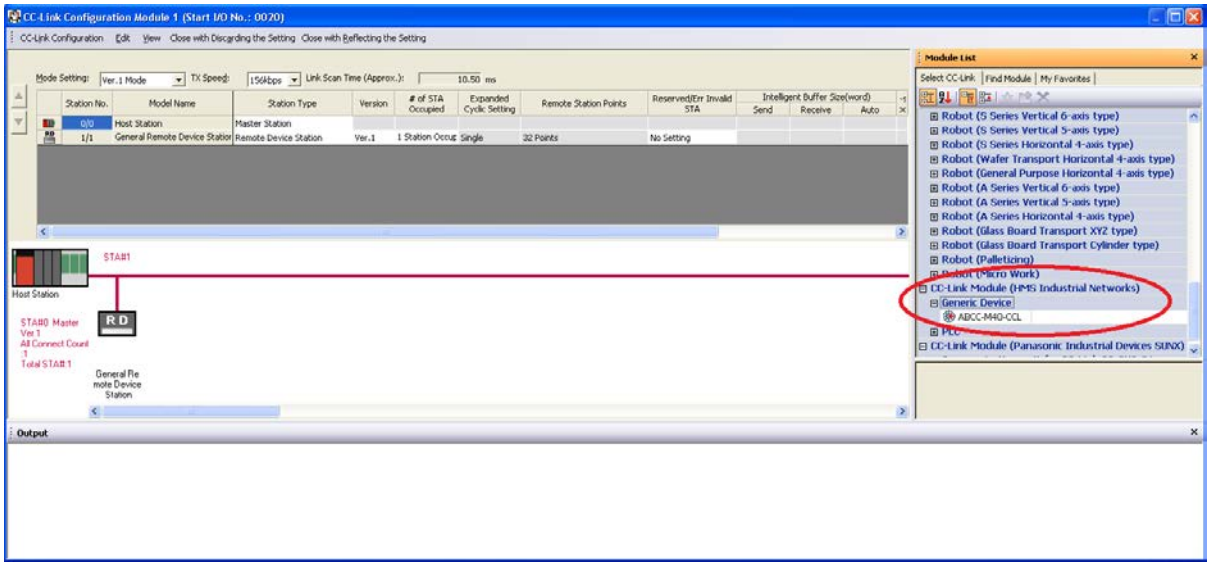


8. The current view.

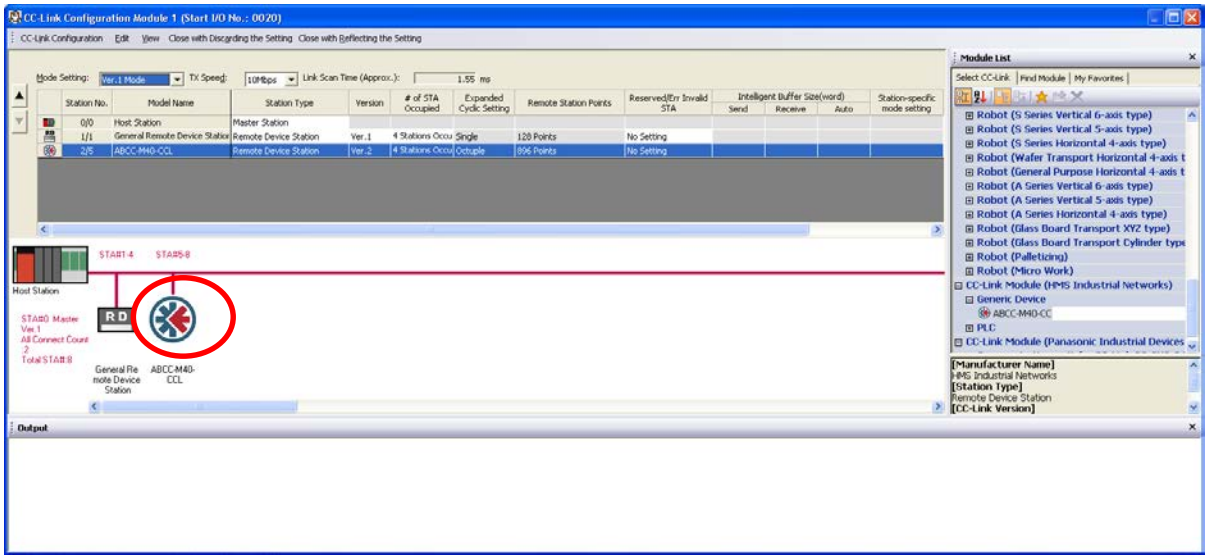


9. Looking under Module List, if we scroll down, we can see the CC-Link module (HMS Industrial Networks AB)->Generic Device"

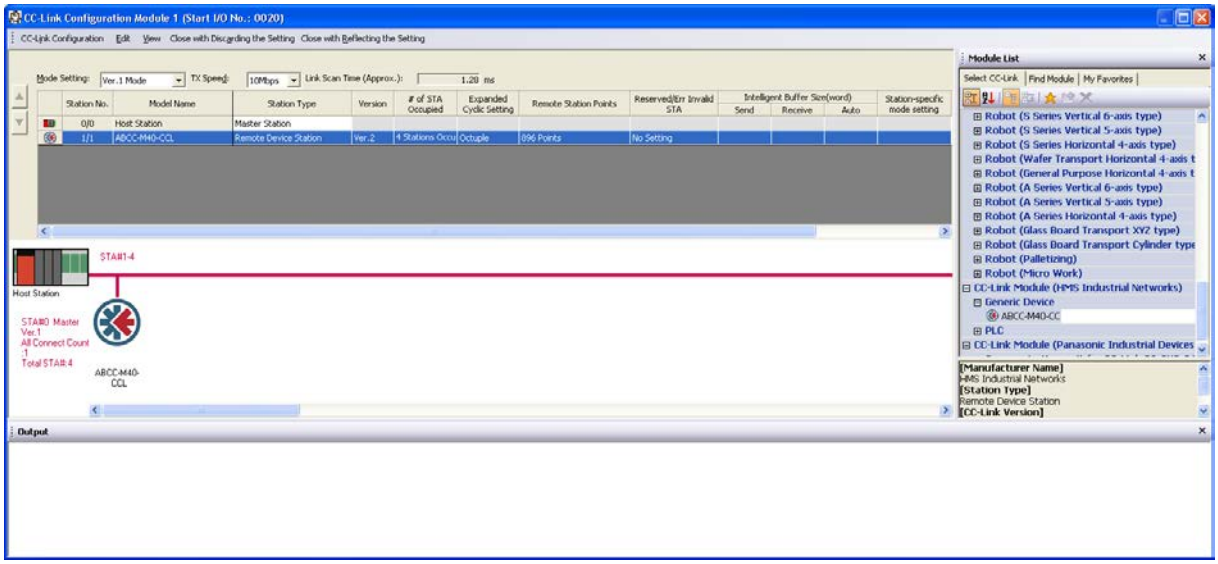
10. Drag and drop the Icon "ABCC-M40-CCL" to the network view.



11. The module is now added to the project.



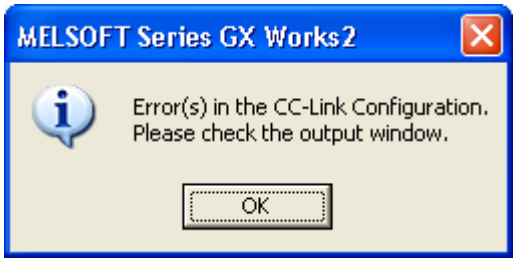
12. If you only have this device you can mark the preconfigured device General Remote Device Station at Number #1 and delete it. Now, only the ABCC-40-CCL is visible.

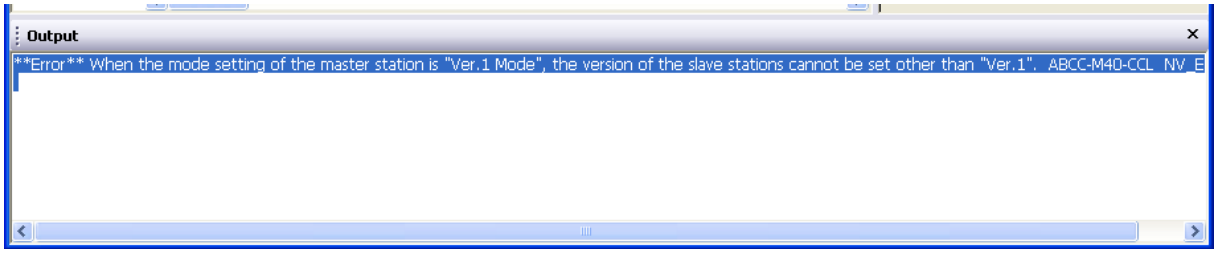


13. Additional settings can be done in this view such as “Mode Setting:”, “TX Speed:”, “Station Type”, “Version”, “# of STA Occupied”.

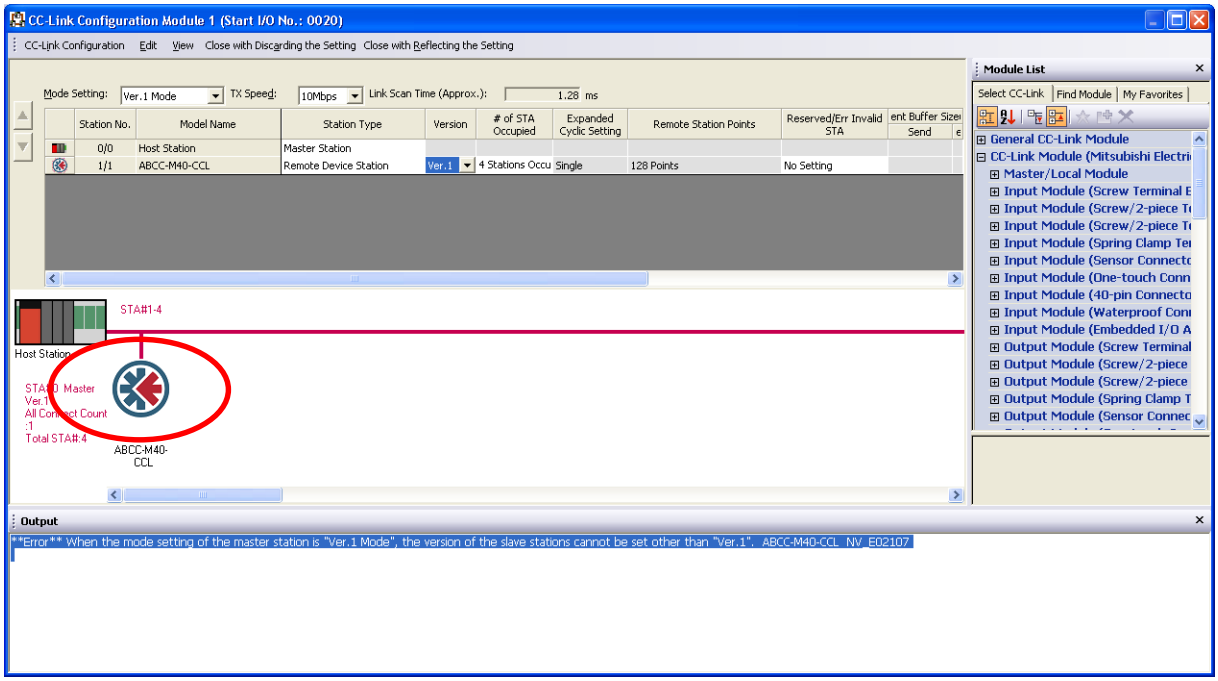
14. Under CC-Link Configuration->Close with Reflecting the Setting.

15. If there are errors in the configuration, the Output window below will pop up.





16. Make configuration corrections. In this particular case, slave station “Ver2” is not allowed and is replaced by “Ver1”.

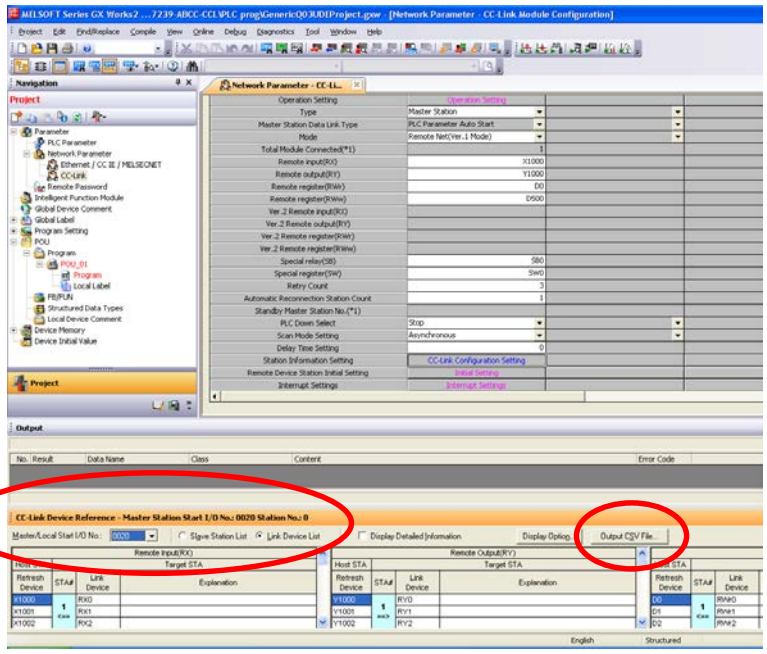


17. Try the “Close with Reflecting the Setting” again.

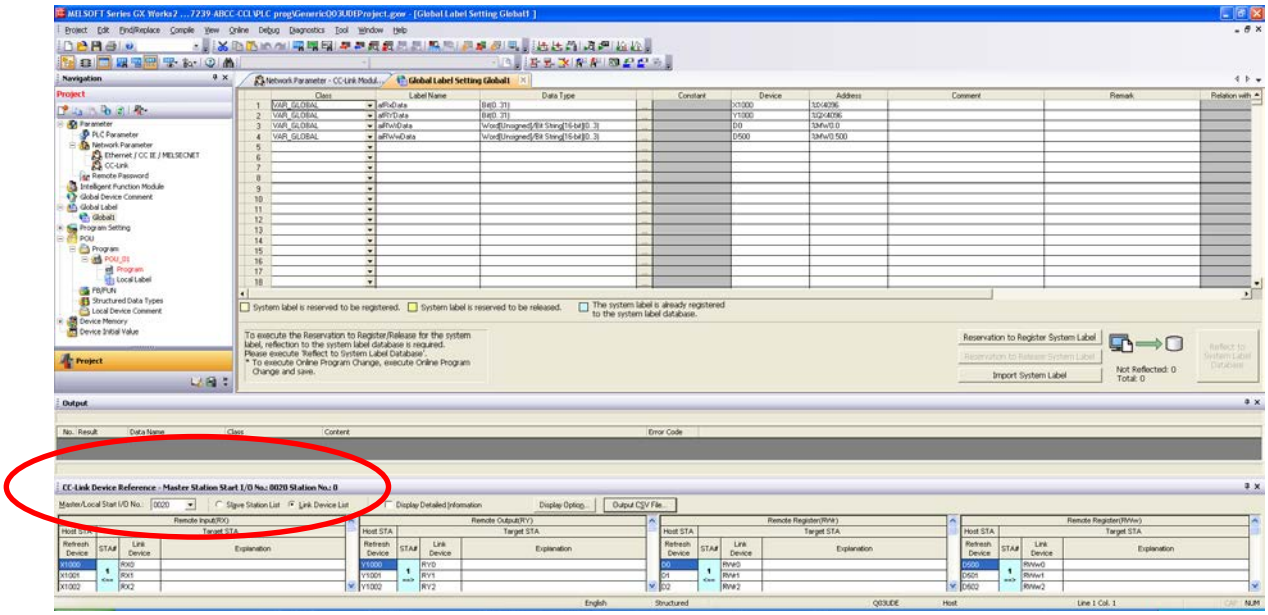
18. If all errors in the assignment are fixed ->Success!

19. The mapping of the individual slaves to the master can be viewed in the ‘CC-Link Device Reference’-window. Press  to access (also found under View->Docking Window).

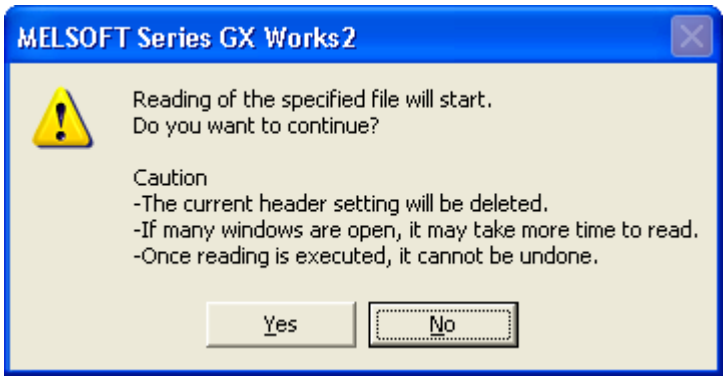
20. Select the “Master/Local Start I/O No:”. Now the button “Output CSV File…” is enabled.



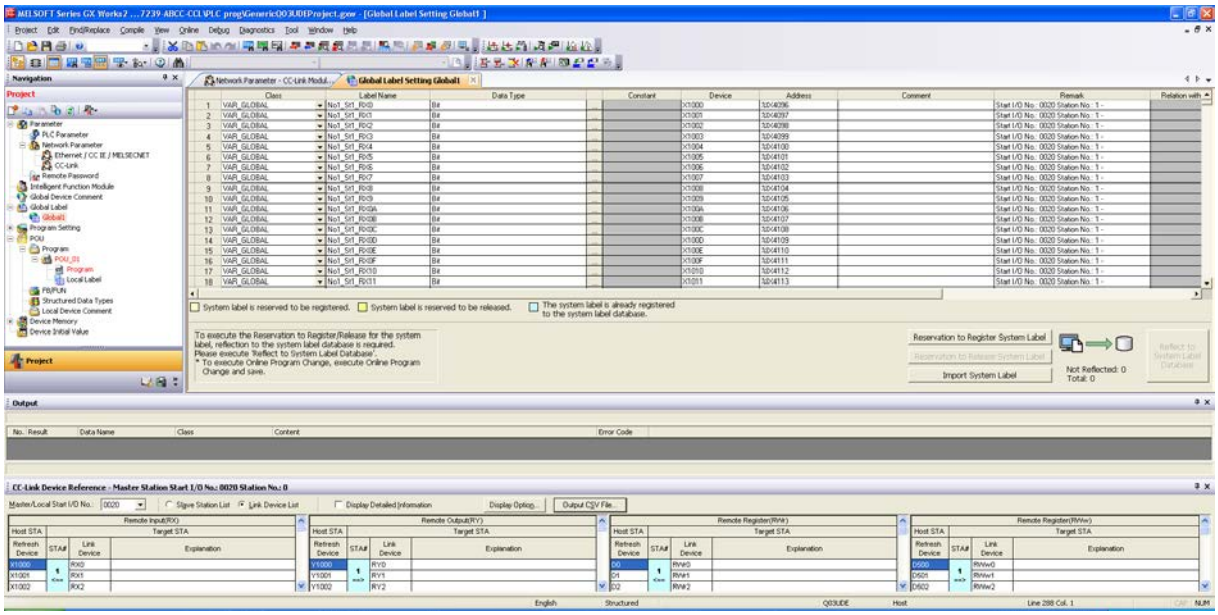
21. In the 'CC-Link Device Reference'-window, press the 'Output CSV File…' button to export the slave mapping into a .csv file (comma separated file). This file can be read into the 'Global Labels' (right click 'Global Label'-> Read from CSV File…).
    NOTE! The newly created labels are STATIC. If the slaves are reorganized, the labels will NOT be valid.



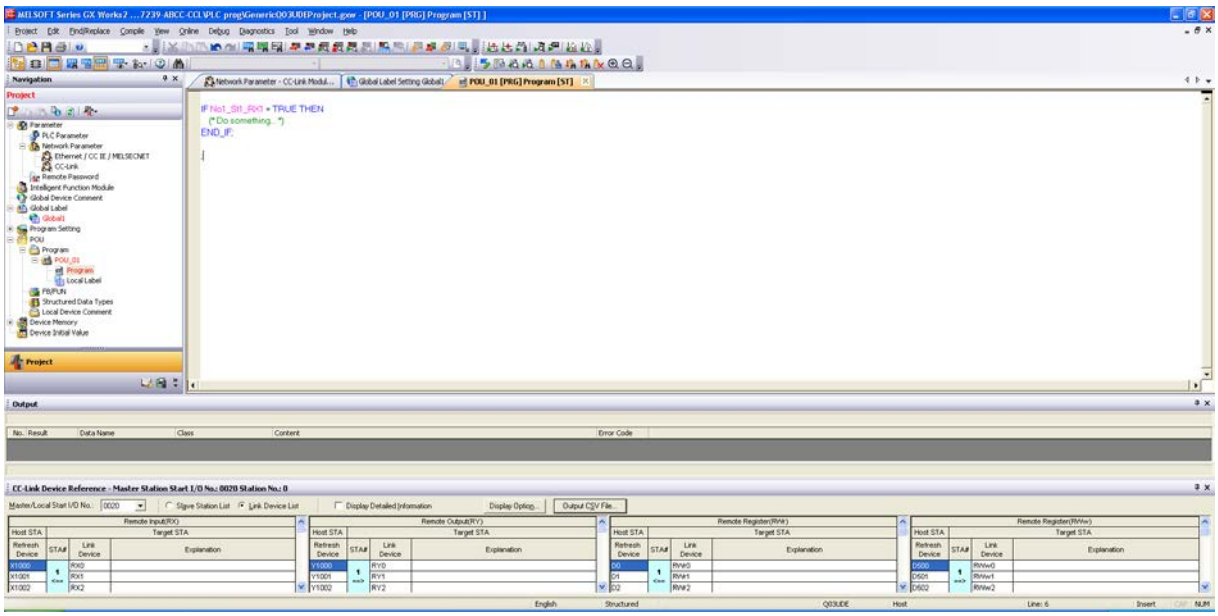
22. Confirm the reading.



23. Global Labels are now reading the .csv file.



24. These labels can now be used in the PLC program code.



25. Now it is time to design your own code.