

CC-Link **IE** Field

G-Series Remote IO

GN-9285

CC-Link IE Field

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Quick Start Guide

1 Introduction

1.1 This guide contains brief configuration procedures for the GN-9285 CC-Link IE Field Remote IO adaptor. This adaptor functions as a slave on programmable logic controllers and other devices that function as a CC-Link IE Field master. For the purposes of this quick start guide, the focus will be on GX-Works3 compatible products and the iQ-R PLC.

2 Example System Layout

2.1 This section is a system example that will be utilized for this guide. For simplicity, the system will be limited to a master PLC and a single slave GN-9285 adaptor.

PLC: R35B Base Rack
R61P Power Supply
R04CPU CPU Module
RJ72GF11-T2 IE Field Module

Remote IO: GN-9285
Slice #1: GT-7588 Power Module 24V, 0V
Slice #2: GT-1238 8 pt, IN
Slice #3: GT-2328 8 pt, OUT
Slice #4: GT-3944 4 pt, Analog IN
Slice #5: GT-4464 4 pt, Analog OUT

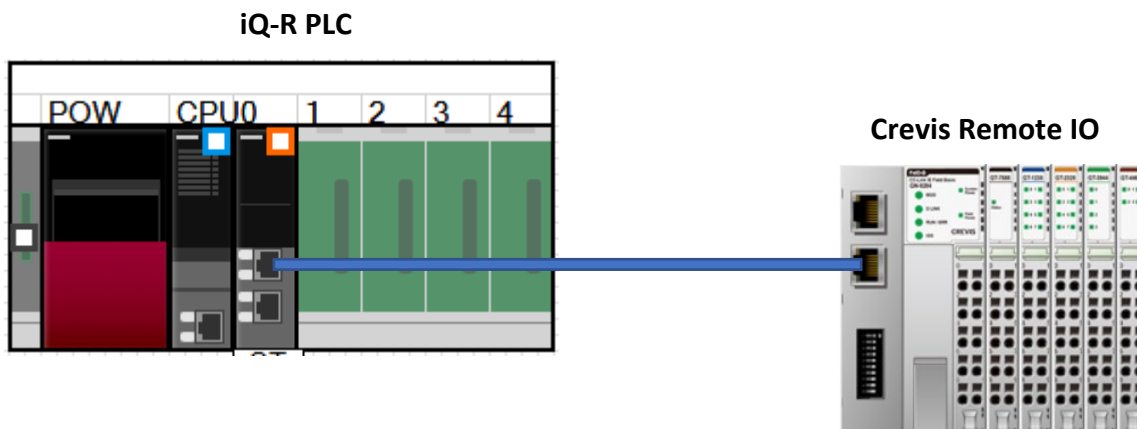


Figure 2.1: Sample System Layout

3 Connections

3.1 Wire the system and field power as in Figure 3.1.

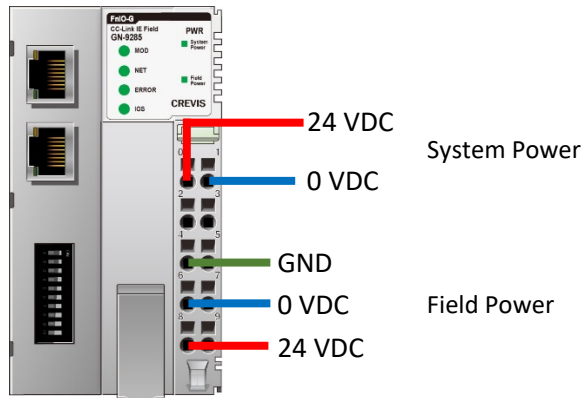
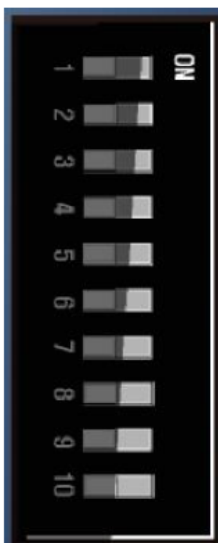


Figure 3.1: Adaptor Power Connections

4 Station # Settings

4.1 GN-9285 Station setting

Set DIP switches 1-8 for the binary coded station numbers 1 through 120. For this exercise, Set #1 to ON



DIP Pole#	Description	
1	Node ID #0	Min. 1 ~ Max. 120 #default Node ID : 1
2	Node ID #1	
3	Node ID #2	
4	Node ID #3	
5	Node ID #4	
6	Node ID #5	
7	Node ID #6	
8	Node ID #7	
9	Fault action	OFF : Hold Last value ON : Clear All output value
10	= ON : Firmware upgrade	

Figure 4.1: Network Adapter Station Number

5 Software Settings

- 5.1 Download the GN-9285 CSPP profile and register in GX-Works3.
Note: All projects must be closed while registering profiles

Tool → Profile Management → Register

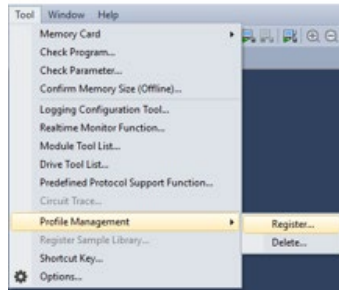


Figure 5.1: Register Profile

- 5.2 Select the module settings by clicking the RJ71GF11-T2 in the module list. The Required Settings can remain at default.

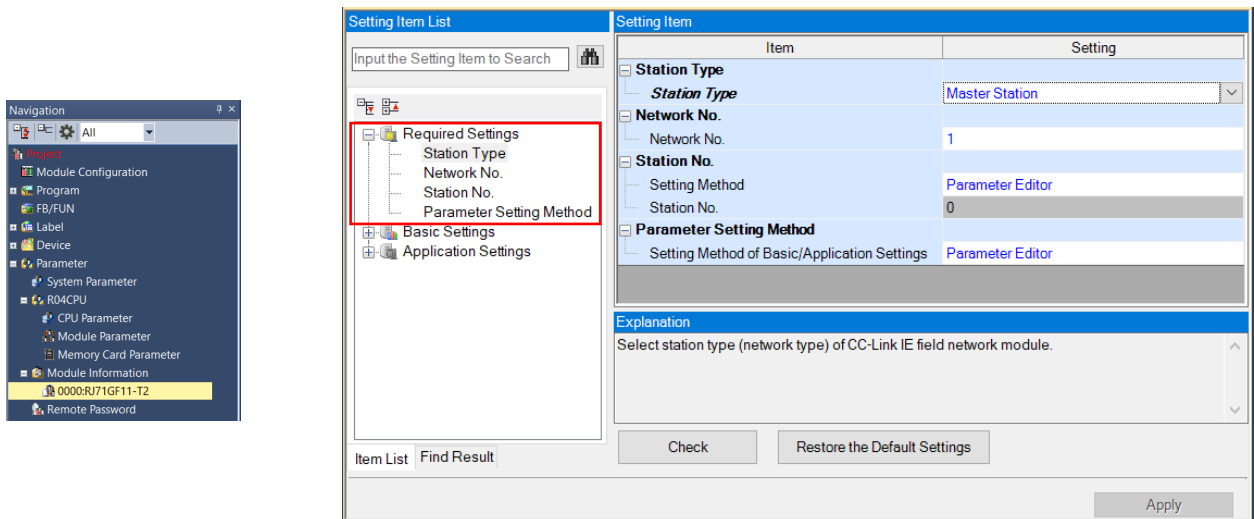


Figure 5.2: RJ71GF11-T2 Required Settings

5.3 Select the Basic Settings and then select Network Configuration Settings.

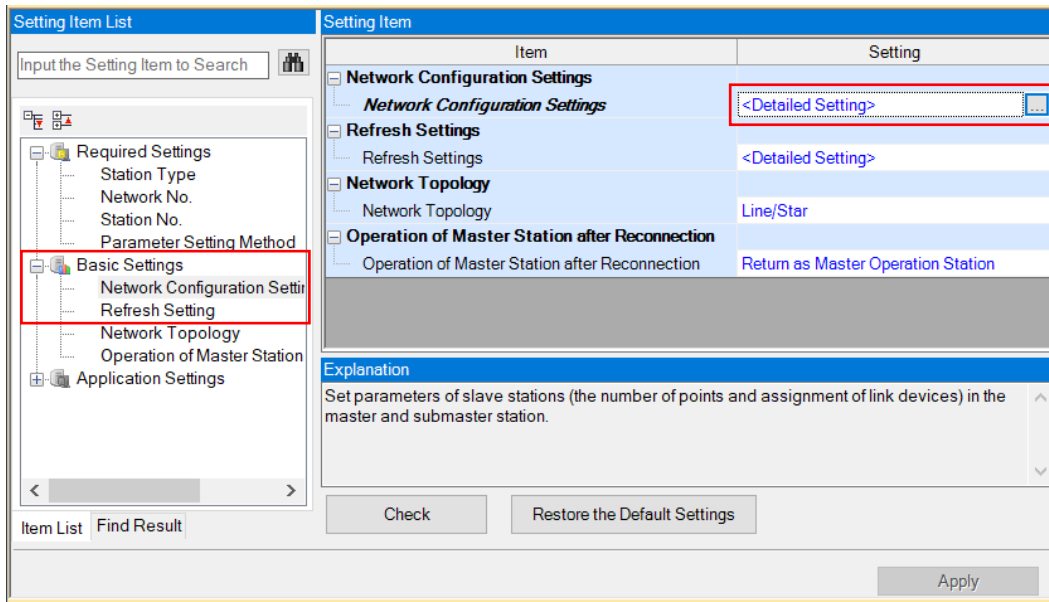


Figure 5.3a: Network Configuration Settings

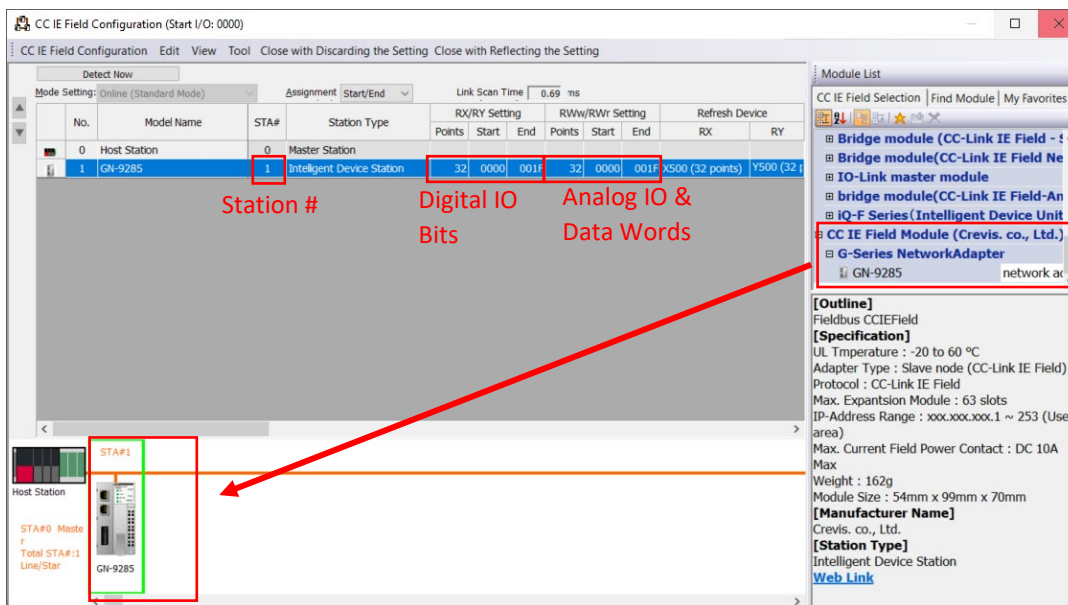


Figure 5.3b: Add Station to Network

Drag the GN-9285 module to the network line and it will be added to the network. Set the Station # to match the DIP switch setting in the section 4.1. Enter the desired RX/Ry and RWw/RWr settings. In this case, 32 points were added to each. The actual data from the setup in section 2.1 is 8 bits each RX/Ry and 4 words each for RWw/RWr, so the 32 will provide room for expansion.

Select "Close with Reflecting the Setting"

6 Refresh Configuration

6.1 Select the Refresh Settings and add the Link Side and CPU Side data areas.

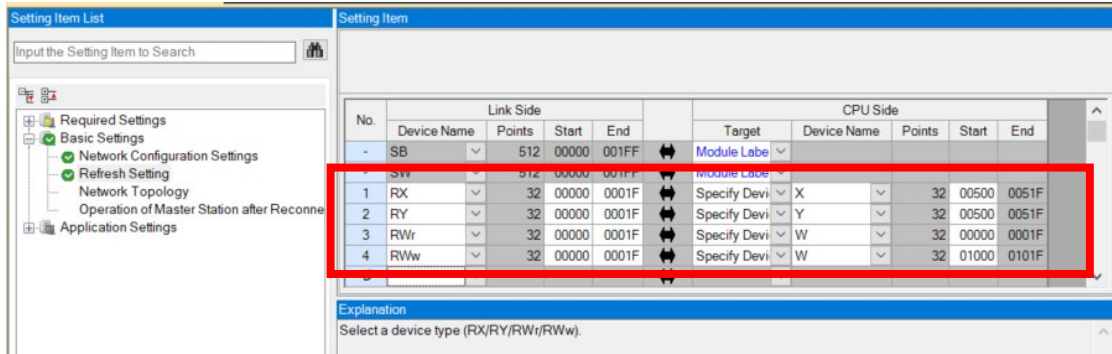


Figure 6.1: DIP Switch Settings

RX: X 500
RY: Y 500
RWr: W 0
RWw: W 1000

Note: The first digital input on Station #1 will be X500
Note: The first digital output on Station #1 will be Y500
Note: The first analog input data on Station #1 will be W0
Note: The first analog output data on Station #1 will be W1000

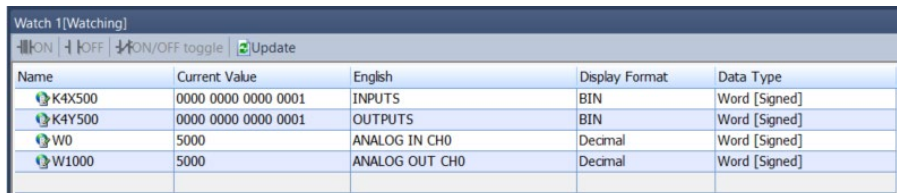
Apply the settings and close the window

7 Download Settings

7.1 Write the parameters to the PLC and reboot the PLC & GN-9285 adaptor.

8 Monitor Data

8.1 Use the GX-Works3 Device/Buffer Memory Batch Monitor or Watch Windows to read/write data to the GN-9285 adaptor.



The screenshot shows the 'Watch 1[Watching]' window in GX-Works3. It features a toolbar with 'ON', 'OFF', 'ON/OFF toggle', and 'Update' buttons. Below the toolbar is a table with the following data:

Name	Current Value	English	Display Format	Data Type
K4X500	0000 0000 0000 0001	INPUTS	BIN	Word [Signed]
K4Y500	0000 0000 0000 0001	OUTPUTS	BIN	Word [Signed]
W0	5000	ANALOG IN CH0	Decimal	Word [Signed]
W1000	5000	ANALOG OUT CH0	Decimal	Word [Signed]

Figure 8.1: GX-Works3 Watch Window



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