

<u>Connecting Rockwell (Allen-Bradley)</u>

ControlLogix 5000 Series Ethernet

Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.





Communication Settings [GP]

1 [GP-PRO/PB C-Package Setting]

Select [GP Setup] on Project Manager.





Select [Mode Settings] --> [Network...].

3) Setting network Information	3) Setting Network Information
ControlLogix EtherNet/IP	• Target No. of node
Target No. of node 1 Node No. 1 IP address 0.0.0 Stot No. 0	 Target No. of hode Designate the number of PLCs connected to one GP unit. You can connect up to 2 PLCs. Target Node No. Designate the PLC's node number for the IP address. This node number is used when allocating addresses on the edit screen. Target IP address Enter your PLC's IP address Target Slot No.
	 Enter the PLC slot No. used for installing the CPU unit. * Host Communication Error (02:D0: **) will appear if any slot number other than that of CPU.

Select [Transfer] --> [Setup] --> [Transfer Settings].

o 1177 - 2	
Send Information	Communications Port
GP System Screen	© <u>C</u> OM
Filing Data(CF card)	Comm Port COM1 TRetry Count 5
Data Trans Func CSV Data(CF card)	Baud Rate 115.2K 💌 (bps)
	○ <u>E</u> thernet
Transfer Method	IP Address 0. 0. 0. 0 Port 8000
Send All Screens	
Automatically Send Changed Screens	C Ethernet: Auto Acquistion
C Send User Selected Screens	
	• Memory Loader
Transfer Mode	
 Preparation for a transfer and a transfer are made similar 	nultaneous.
It is transferred after preparation for a transfer is finished	hed.
•	
Setup C Automatic Setup Use Extended Program :	
C Eorce System Setup 🔽 Si	Simulation
C Do NOT Perform Setup	
Sustem Screen	
Setup CFG file :	
• English	
O Japanese	
C Selection C:\Program Files\pro-face\ProPBWir	in/protocol/ Browse
115	Cancer neip

Transfer to GP after settings completed.



2 [GP Settings]

1) Checking GP Type	1) Checking GP Type
MAIN MENU V4.33 1 INITIALIZE 2 SCREEN DATA TRANSFER 3 SELF-DIAGNOSIS 4 RUN 2 Wms/2000 V4.54 3 KM-1 MK V3.34 CTRL_LOGIX_EIP V1.62	If you have selected Rockwell (Allen-Bradley) PLC Control Logix 5000Series Ethernet AB ControlLogix (Ethernet/IP), the following will be shown. "CRTL_LOGIX_EIP"
2) Setting up Operation Surroundings	2) Setting up Operation Surroundings
SETUP OPERATION SURROUNDINGS MENU	[MAIN MENU]
1 SETUP OPERATION SURROUNDINGS	↓ [INITIALIZE]
2 SETUP ETHERNET INFORMATION 3 SETUP ETHERNET EXT. INFORMATION	[PLC SETUP]
EESTINATION NODES INFORMATION	
	[PLC SETUP]
	[SETUP OPERATION SURROUNDINGS]
3) Checking System Start Address	3) Checking System Start Address
SET UP OPERATION SURROUNDINGS [SET [CANCEL] STARTING ADDRESS OF (0-255) DATA AREA [INT 977:0_27] SYSTEM AREA READING AREA SIZE (0-256) [0] RESET GP ON DATA WRITE ERROR ON OFF	 * The system start address cannot be changed on GP. Please use GP-PRO/PB3 to set this data and re-send to GP. [GP SYSTEM SETUP]
Note: The system start address cannot be changed on GP. Please use GP-FR0/PE3 to set this data and re-send to the GP.	[MODE SETUP]



4) Setting Up Ethernet Information	4) Setting Up Ethernet Information
SET UP ETHERNET INFORMATION SET CANCEL SRC IP ADDRESS [], [], [], [], [] SRC PORT NO. []	Enter each item in the [SETUP ETHERNETINFORMATION] screen. • SRC IP ADDRESS (0 to 255)
	Enter the IP address for your station's GP
	unit. To do this, separate the 32 bits of the
	IP address into four segments of eight bits
	each, separate those segments with a dot
	and then enter them as decimal numbers.
	• SRC PORT NO. (1024 to 65535)
	Enter your GP's Port No. * Please do not use the numbers from 8000 to 8999 because they are the port numbers used for Pro-Server.
5) DESTINATION NODE INFORMATION	<u>U5) Checking Destination Node Information</u>
DESTINATION NODE END	The destination (PLC) network address, the destination node address, and IP address are displayed here.
	* The destination node information settings cannot be set or changed on GP. Please use GP-PRO PB3 to change them.
Please use GP-PRO/PB3 to change them.	[GP SYSTEM SETTINGS]
	[MODE SETTINGS]
	NETWORK INFORMATION SETTINGS
	*Refer to page 6.

NOTE

Protocol Type is TCP/IP Connection.