

# <u>Mitsubishi <18> Mitsubishi Electric Corporation</u> <u>FX Series + Expansion Board (CPU Direct Protocol) Connection</u>

### Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.

Sample prw : Untitled - Project Manager	
GP-PRO/PBIL C-Packag=03	
GP Setup Project Legic Program Editor Transfer New State Screen Transfer Monitor Screen Screen Screen	
MITSUBISHI MELSEC FX (CPU)	
Change the Device/PLC tage for this project	

#### **Communication Setting Sample**

GP Setup		FX Series Settings
Baud Rate	9600 bps	
Data Length	7 bits (fixed)	
Stop Bit	1 bit (fixed)	
Parity Bit	Even (fixed)	
Data Flow Control	ER Control	
Communication Format	RS-232C	
Unit No.	0 (fixed)	



#### Communication Settings [GP]

1) Communication Settings	1) Communication Settings
OP Settings - Noncome Equ     Mode Settings       SP Settings     5/0 Settings     Mode Settings       Settings     Settings     Communication Settings       P 5/2220     1 Settings     Settings       P 5/2200     1 Settings     Settings       P 6/2 Settings     1 Settings     Settings       P 7/2 Settings     1 Settings     Settings       P 7/2 Setting     1 Setings     Setings	Transmission Speed : 9600bps Data Length : 7 Bits Stop Bit: 1 Bit Parity Bit: Even Busy Ready Control : DTR / ER RS-232C/ RS-422: RS-232C
2) Mode Settings	2) Mode Settings
GP* Settings - Langedor prev     EX       Initial Screen Settings     Loteroded Settings     Converse under Settings       IVO Settings     V/O Settings     Model Settings       PLC Tase     MatTractional MatLance Action (PU)       Rystees Static Address     IVOOD       Read Area Size     IVOOD       Roads Seture     IVOOD       Roads Seture     IVOOD       Roads Seture     IVOOD       Transmission Station     IVOOD	System Start Address: Arbitrary Address
DK. Cancel Defaults Help	

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



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

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

Send Information	Communications Po	ort
	⊙ <u>с</u> ом	
GP System Screen     Filing Data[LF card]	Comm Port	COM1 Retry Count 5
Data Trans Func CSV Data(CF card)	Baud Rate	115.2K 💌 (bps)
	○ <u>E</u> thernet	
- Transfer Method © Send All Screens	<u>I</u> P Address	0. 0. 0. 0 Port 8000
Automatically Send Changed Screens     Send User Selected Screens	C Ethernet: Auto A	cquistion
	C Memory Loader	
Transfer Mode	imultaneour	
C It is transferred after preparation for a transfer is fini	shed.	
Setup		
	Extended Program :	
C Eorce System Setup	Simulation	
C Do NOT Perform Setup		
	System Screen	
Setup CFG file :		
• English		
Selection     C:\Program Files\pro-face\ProPB\	Vin\protocol\ Browse	
	<u>Diamas</u>	
OK	Cancel	Help

Transfer to GP after settings completed.



2 [GP Settings]





3) Setting up Operation Surroundings	3) Setting up Operation Surroundings
MAIN MENU INITIALIZE SYSTEM ENVIRONMENT SETUP SET UP 140 INITIALIZE MEMORY 5 SET UP TIME 6 SET UP SCREEN	$[MAIN MENU]  \downarrow  [INITIALIZE]  \downarrow  [PLC SETUP]  ↓  [PLC SETUP]$
SET UP OPERATION SURPOUNDINGS STARTING ADDRESS OF SYSTEM DATA AREA [ 000000 ] UNIT NO. [0 ] SYSTEM AREA READING AREA SIZE (0-256) [0 ] RESET OP ON DATA WRITE EXPOR ON OFF USE 2PORT MODE/CPU DIRECT MODE ADAPTER ADAPTER OF OPU FIDE 1 2 3 4 5 6 7 8 9 0 1 4 BS	Starting Address of System Data Area: Arbitrary Address Use 2-Port Mode/CPU Direct Mode: CPU 2-Port Adapter and Internal 2-Port Feature cannot be used.

## Communication Settings [PLC]

There are no items to set on the PLC.