

Mitsubishi <17> Mitsubishi Electric Corporation

FX Series + Expansion Board (Link Protocol) Connection

Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Communication Setting Sample

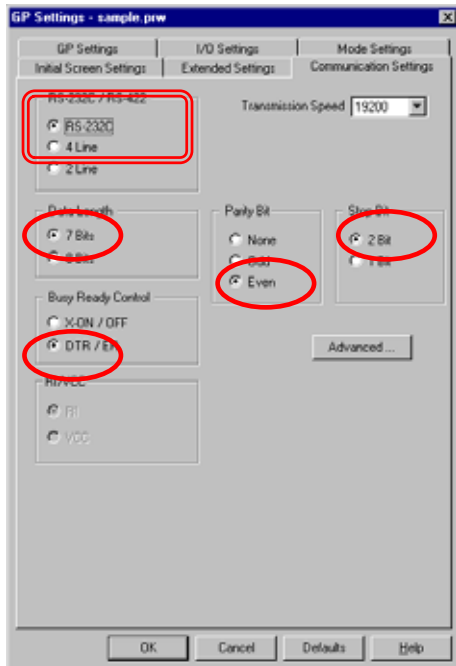
GP Setup		PLC (Data Register) Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	7 bits	Data Bit	7 bits
Stop Bit	2 bits	Stop Bit	2 bits
Parity Bit	Even	Parity Bit	Even
Data Flow Control	ER Control		---
Communication Format (RS-232C)	RS-232C	Computer Link	RS-232C I/F
Communication Format (RS-422)	4-wire type	Computer Link	RS485 (RS422) I/F
Unit No.	0	Station Number	0
---		Sum Check	Yes
---		Protocol	Yes
---		Control Method	4
---		Header	No
---		Terminabr	No

Communication Settings [GP]

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

Select [GP Setup] on Project Manager.

1) Communication Settings

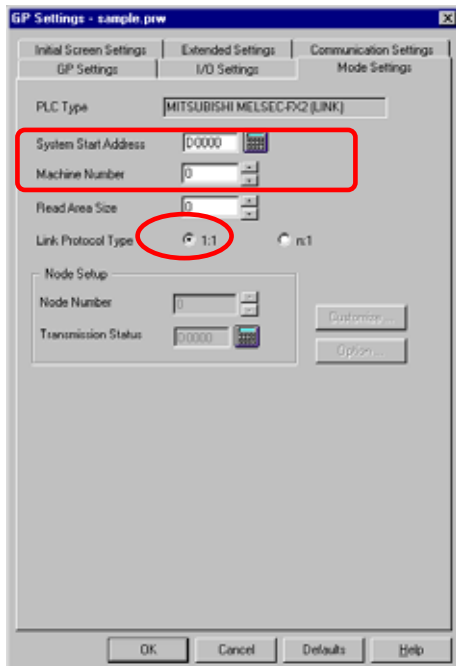


1) Communication Settings

Transmission Speed : 19200bps
 Data Length : 7 Bits
 Stop Bit: 2 Bits
 Parity Bit: Even
 Busy Ready Control : DTR / ER
 RS-232C/ RS-422 :
 RS-232C Connection: RS-232C
 RS-422 Connection: 4 Line

* Select one in depending on the communication method.

2) Mode Settings



2) Mode Settings

System Start Address: Arbitrary Address
 Machine No.: 0
 Link Protocol Type: 1:1

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

3) Transfer Settings

Transfer Settings

Send Information

- Upload Information
- GP System Screen
- Filing Data(CF card)
- Data Trans Func CSV Data(CF card)

Transfer Method

- Send All Screens
- Automatically Send Changed Screens
- Send User Selected Screens

Transfer Mode

- Preparation for a transfer and a transfer are made simultaneous.
- It is transferred after preparation for a transfer is finished.

Setup

- Automatic Setup
- Force System Setup
- Do NOT Perform Setup

Use Extended Program :

- Simulation

System Screen

Setup CFG file :

- English
- Japanese
- Selection

C:\Program Files\pro-face\ProPBWin\protocol\ Browse...

OK Cancel Help

Communications Port

- COM
- Comm Port: COM1 Retry Count: 5
- Baud Rate: 115.2K (bps)
- Ethernet
- IP Address: 0. 0. 0. 0 Port: 8000
- Ethernet: Auto Acquisition
- Memory Loader

3) Transfer Settings GP System Settings: Checked

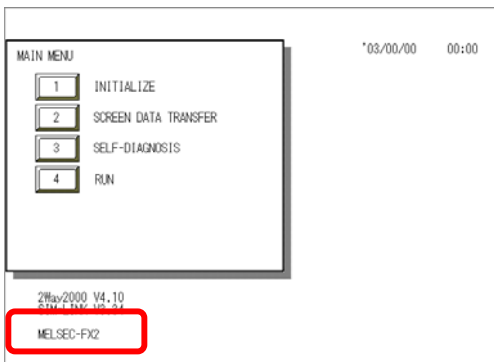
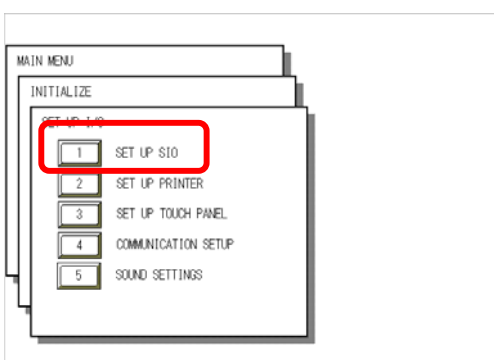
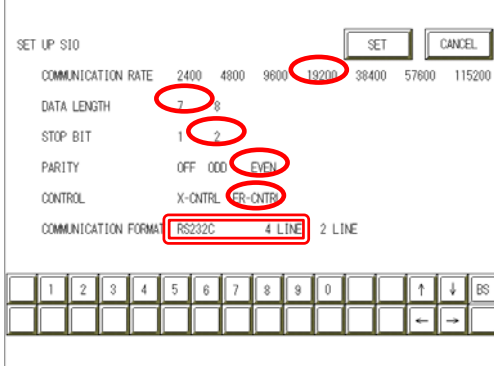
Transfer to GP after settings completed.

2 [GP Settings]

-Displaying Setting Screen-

Touch the left top of the screen within 10 second after powering on.

Or touch the right top and the right bottom of the screen at the same time. Keep 2 points touched and touch the left bottom. The menu bar will display on the bottom of the screen. Then touch [Offline].

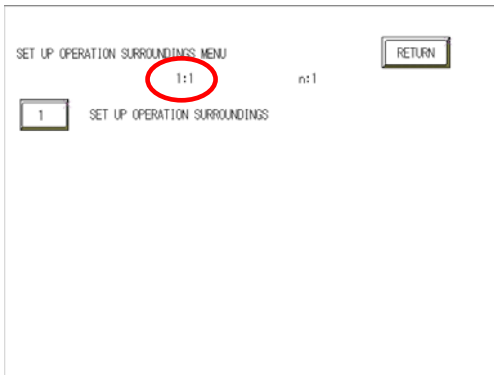
<p><u>1) Checking GP Type</u></p> 	<p><u>1) Checking GP Type</u></p> <p>If you have selected Mitsubishi MELSEC-FX2 (LINK), the following will be shown.</p> <p>“MELSEC-FX2”</p>
<p><u>2) Communication Settings</u></p> 	<p><u>2) Communication Settings</u></p> <p>[MAIN MENU] ↓ [INITIALIZE] ↓ [SET UP I/O] ↓ [SET UP SIO]</p>
	<p>Communication Rate: 19200bps Data Length : 7 Bits Stop Bit: 2 Bits Parity: Even Control : ER Cntrl Communication Format : RS-232C Connection : RS-232C RS-422 Connection: 4 Line</p> <p>* Select one in <input type="text"/> depending on the communication method.</p>

3) Setting up Operation Surroundings

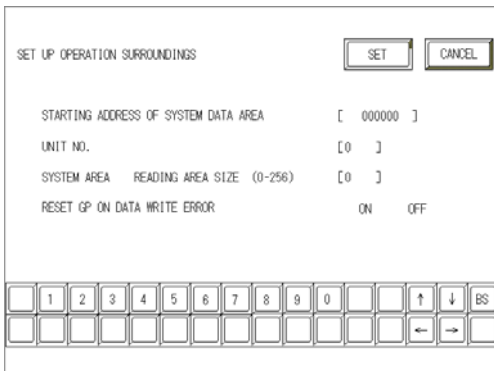


3) Setting up Operation Surroundings

[MAIN MENU]
↓
[INITIALIZE]
↓
[PLC SETUP]
↓
[PLC SETUP]



Set Up Operation Surroundings Menu: 1:1



Starting Address of System Data Area:
Arbitrary Address
Unit No.: 0

Communication Settings [PLC]

Store the values in each address below and reset PLC.

1. [Connecting to FX-232-BD]

Word Address	Value	Settings
D8120	E89E (HEX)	Baud Rate: 19200bps Data Bit: 7 Bits Stop Bit: 2 Bits Parity Bit: Even Control Format: ER Control Channel Setup: RS-232C
D8121	0	Station Number: 0

2. [Connecting to FX-485-BD]

Word Address	Value	Settings
D8120	E09E (HEX)	Baud Rate: 19200bps Data Bit: 7 Bits Stop Bit: 2 Bits Parity Bit: Even Control Format: ER Control Channel Setup: RS-422
D8121	0	Station Number: 0

3. [Connecting to FX0N-232ADP]

Word Address	Value	Settings
D8120	E89E (HEX)	Baud Rate: 19200bps Data Bit: 7 Bits Stop Bit: 2 Bits Parity Bit: Even Control Format: ER Control Channel Setup: RS-232C
D8121	0	Station Number: 0