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.

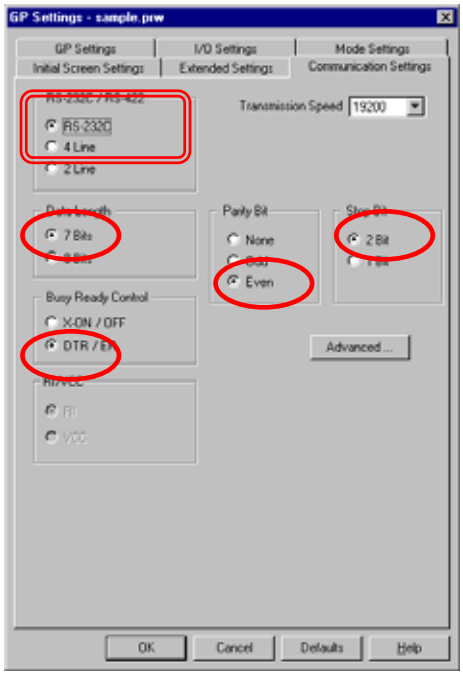
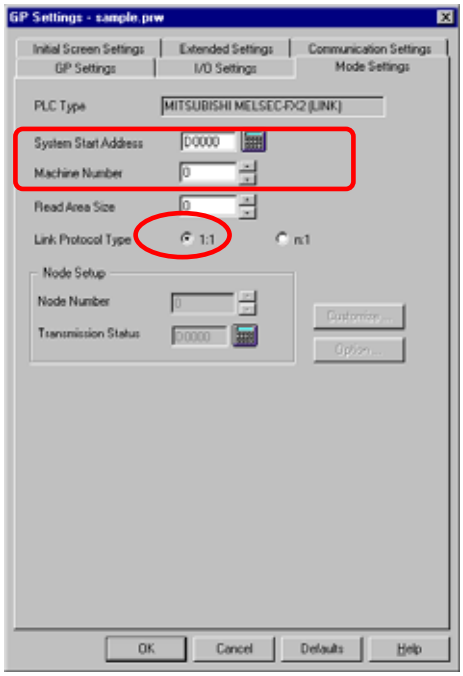
Communication Setting Sample

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
---		Terminator	No

Communication Settings [GP]

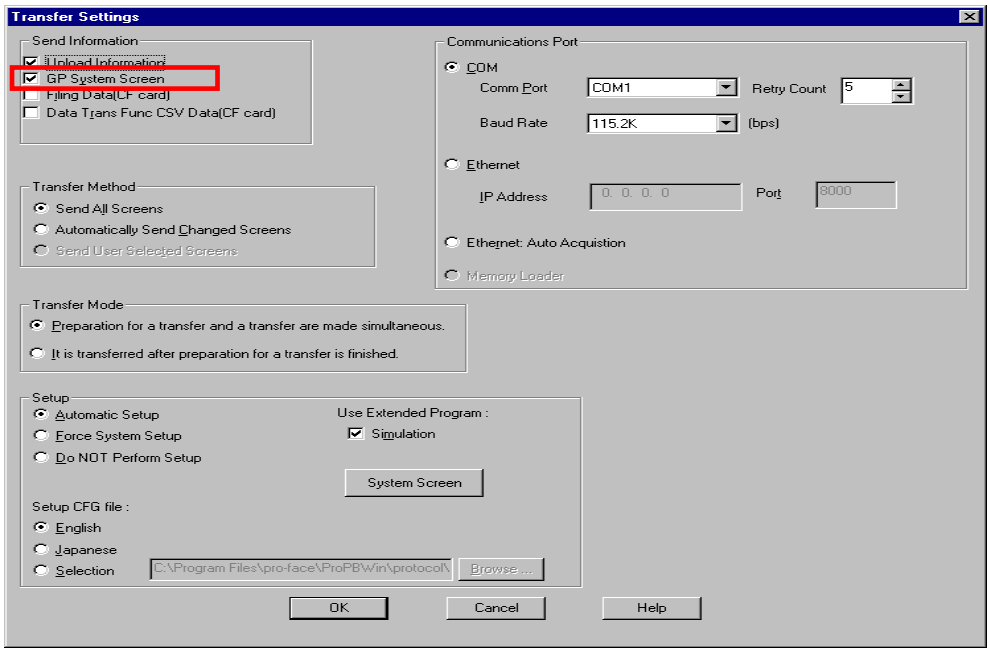
1 [GP-PRO/PBIII C-Package Setting]

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



3) Transfer Settings GP System Settings: Checked

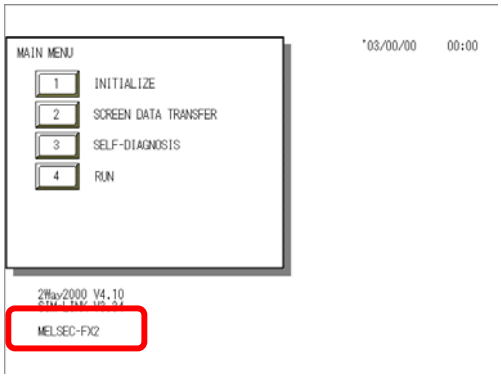
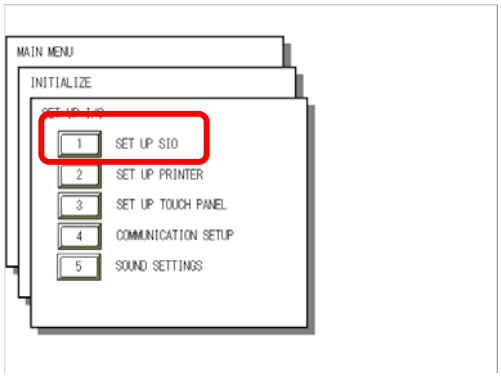
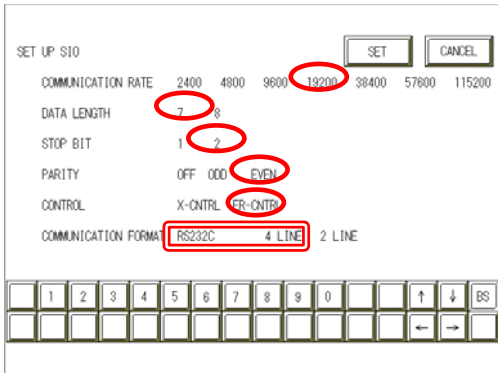
Transfer to GP after settings completed.

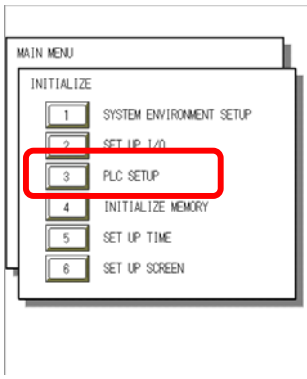
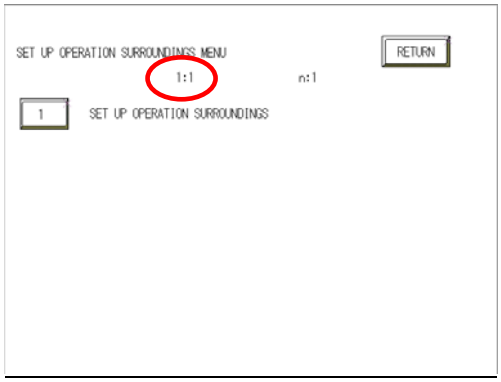
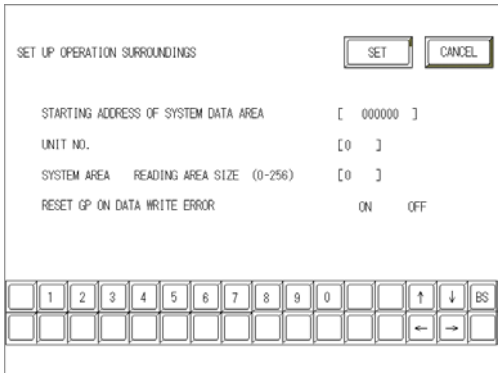
2 [GP Settings]

-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].

1) Checking GP Type 	1) Checking GP Type If you have selected Mitsubishi MELSEC-FX2 (LINK), the following will be shown. "MELSEC-FX2"
2) Communication Settings 	2) Communication Settings [MAIN MENU] ↓ [INITIALIZE] ↓ [SET UP I/O] ↓ [SET UP SIO]
	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 * Select one in ▭ depending on the communication method.

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