

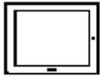
Mitsubishi <15> Mitsubishi Electric Corporation

F₂ Series Link Connection

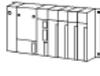
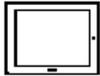
System Structure



GP

Machine 	Model	Remark
GP	GP70 Series GP77/77R Series GP2000 Series	Excepting for handy types.
GLC	GLC2000 Series	

PLC

CPU 	Interface Unit	Communication Method	Connection Cable 	GP 
F ₂ -20M F ₂ -40M F ₂ -60M	F ₂ -232GF	RS-232C	Connection Method	

Procedure to Connect PLC

Select PLC Type on GP-PRO/PB C-Package.

Refer to

Selecting PLC Type



Set the GP and PLC settings as the communication setting sample.

Refer to

**Communication
Setting Sample**



Set GP communication.
There are 2 ways.

- Setting on GP-PRO/PB C-Package and transfer the data
- Setting on the Offline of the GP main unit.

Refer to

**Communication
Settings [GP]**



Set PLC communication.

Refer to

**Communication
Settings [PLC]**



Connect PLC to GP.
Please check the connection method according to the connection type, or distance.

Refer to

**Connection Method &
Recommended Products**

Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Communication Setting Sample

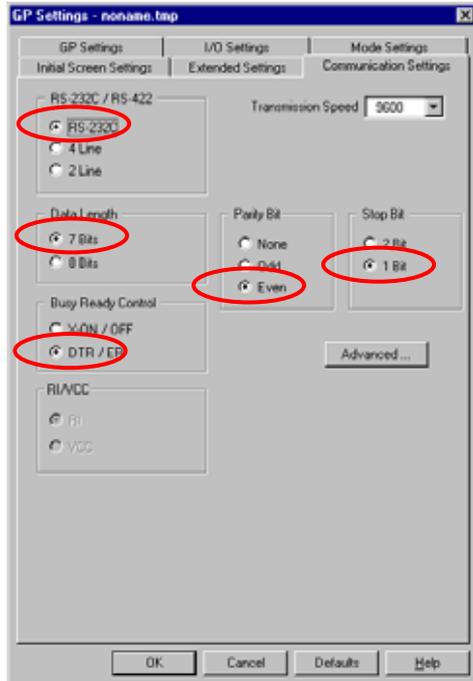
GP Setup		Interface Settings	
Baud Rate	9600 bps	Baud Rate	9600 bps
Data Length	7 bits	Data Bit	7 bits
Stop Bit	1 bit (fixed)	Stop Bit	1 bit (fixed)
Parity Bit	Even	Parity Bit	Even
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
---		Resistor Setting	Yes
---		Sum Check	Yes
Unit No.	0	Station Number	0

Communication Settings [GP]

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

Select [GP Setup] on Project Manager.

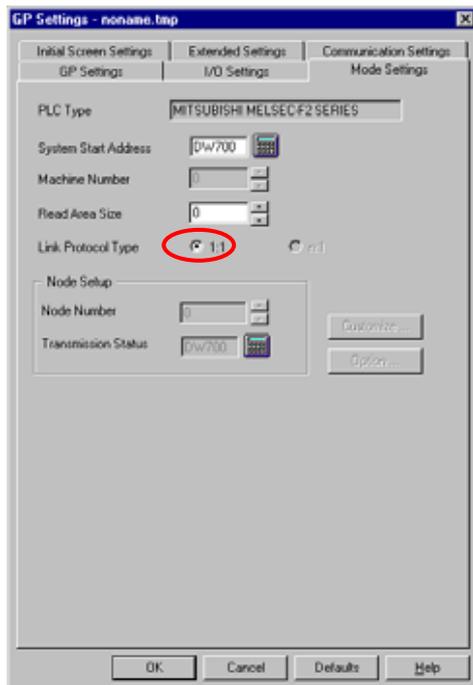
1) Communication Settings



1) Communication Settings

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

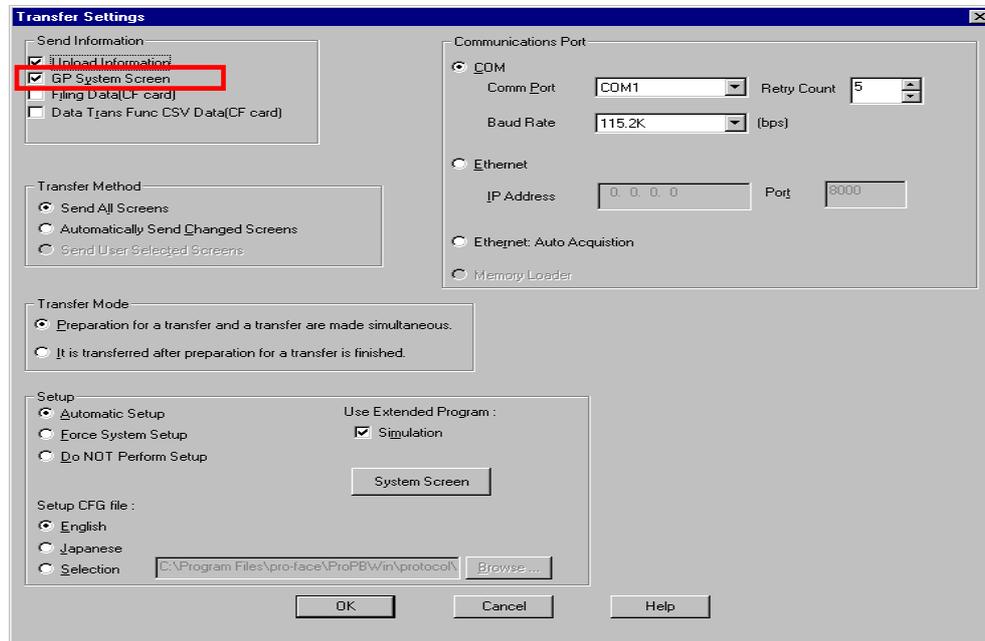


2) Mode Settings

System Start Address: Arbitrary Address
 Link Protocol Type: 1:1

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

3) Transfer Settings



3) Transfer Settings GP System Settings: Checked

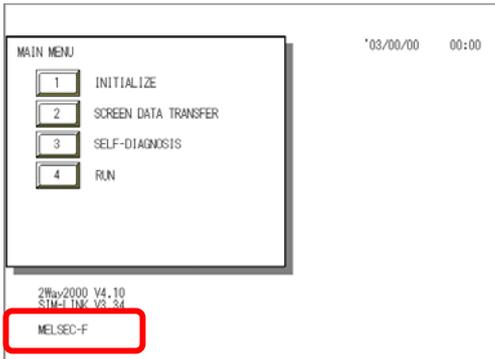
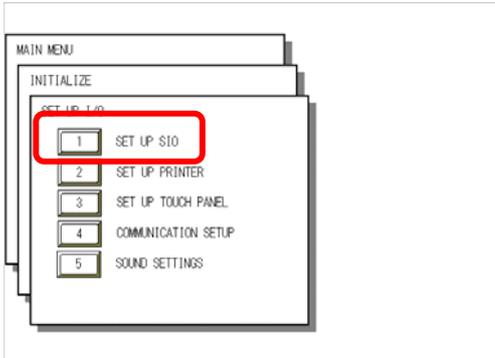
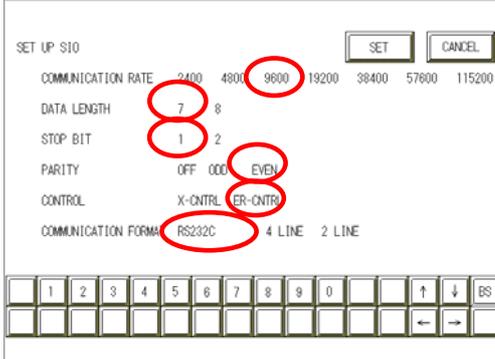
Transfer to GP after settings completed.

2 [GP Settings]

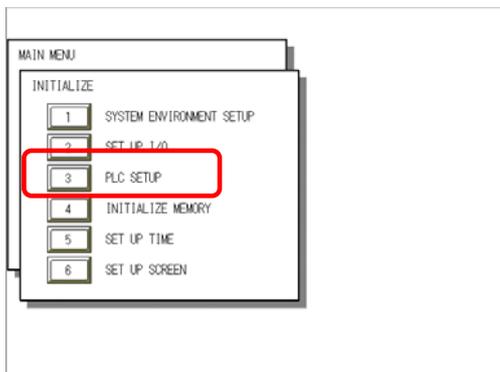
-Displaying Setting Screen-

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].

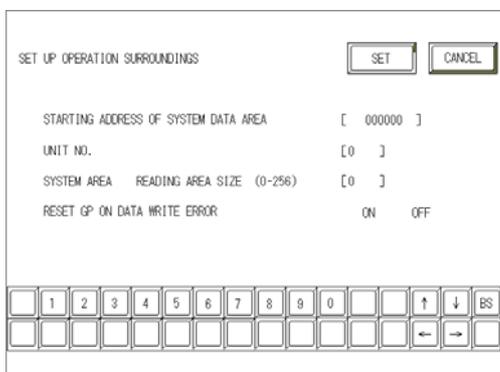
<p><u>1) Checking GP Type</u></p> 	<p><u>1) Checking GP Type</u></p> <p>If you have selected Mitsubishi MELSEC-F2 (Link), the following will be shown.</p> <p>”MELSEC-F”</p>
<p><u>2) Communication Settings</u></p> 	<p><u>2) Communication Settings</u></p> <p>[MAIN MENU] ↓ [INITIALIZE] ↓ [SET UP I/O] ↓ [SET UP SIO]</p>
	<p>Communication Rate: 9600bps Data Length : 7 Bits Stop Bit: 1 Bit Parity: Even Control : ER Cntrl Communication Format : RS-232C</p>

3) Setting up Operation Surroundings



3) Setting up Operation Surroundings

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



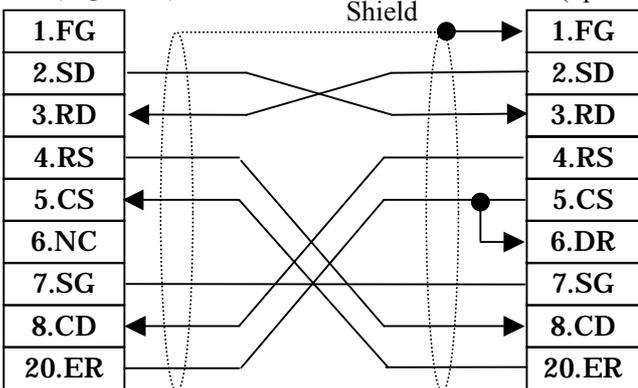
Starting Address of System Data Area:
Arbitrary Address

Unit No.: 0

Communication Settings [PLC]

There are no items to set on the PLC.

Connection Method

Type	Connection Method	Distance
Using GP410-IS00-O		5m
Using F ₂ -232CAB by Mitsubishi Electric Corporation		3m
Creating Cable	<p>GP Unit (25p Male) PLC (9p Male)</p> 	Within 15m



*** If a communication cable is used, it must be connected to the SG.**

The optional cable, GP410-IS00-O is 5m long. If you need a longer cable or shorter, please use a User-Created cable to connect.

Recommended Products

Connector/Cover for GP	D-sub 25 pin Plug	XM2A-2501 <OMRON Co.>
	Cover for D-sub 25 pin	XM2S-2511 <OMRON Co.>
	Jack Screw	XM2Z-0071 <OMRON Co.>
Cable	CO-MA-VV-SB5P × 28AWG <Hitachi Cable Ltd.>	
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45	