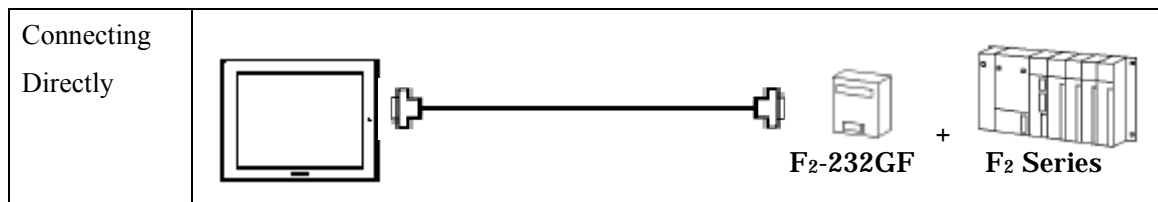



Mitsubishi <15> Mitsubishi Electric Corporation

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

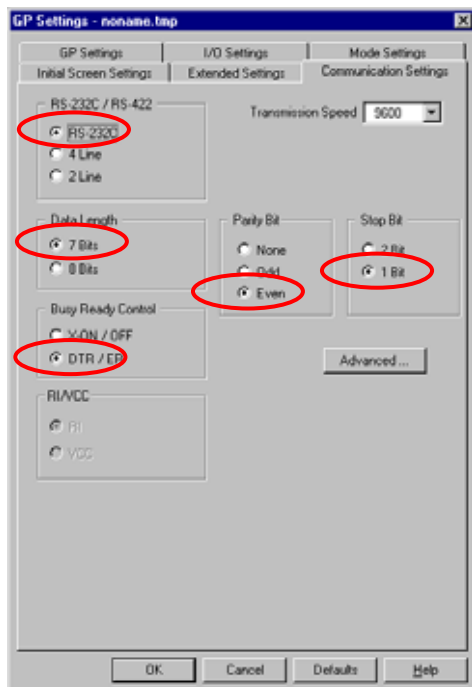
GP Setup		Interface Settings	
Baud Rate	9600 bps	Baud Rate	9600 bps
Data Length	7 bits	Data Bit	7 bits
Stop Bit	1 bit (fixed)	Stop Bit	1 bit (fixed)
Parity Bit	Even	Parity Bit	Even
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
---		Resistor Setting	Yes
---		Sum Check	Yes
Unit No.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

Communication Settings [GP]

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

Select [GP Setup] on Project Manager.

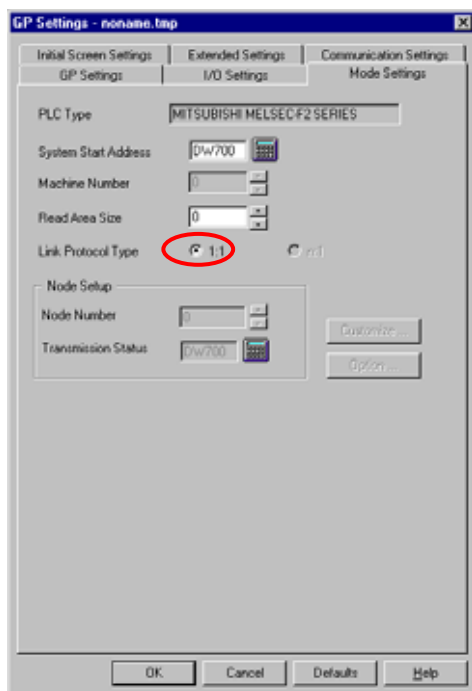
1) Communication Settings



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

Transfer Settings

Send Information

- ☒ Download 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

Communications Port

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

OK Cancel Help

3) Transfer Settings GP System Settings: Checked

Transfer to GP after settings completed.

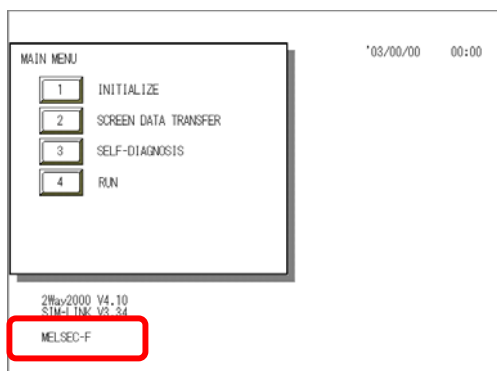
2 [GP Settings]

-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

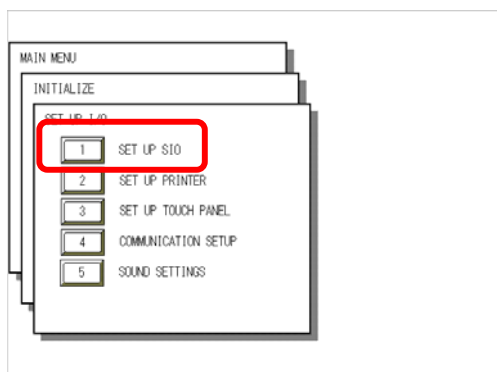


1) Checking GP Type

If you have selected Mitsubishi MELSEC-F2 (Link), the following will be shown.

”MELSEC-F”

2) Communication Settings



2) Communication Settings

[MAIN MENU]



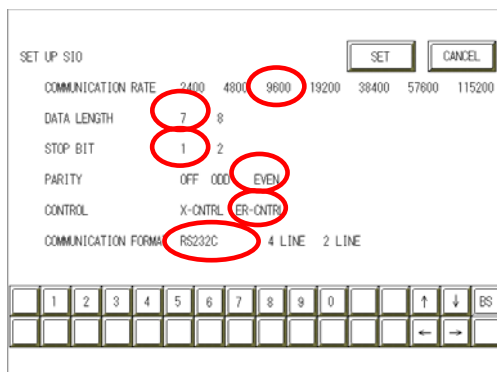
[INITIALIZE]



[SET UP I/O]



[SET UP SIO]



Communication Rate: 9600bps

Data Length : 7 Bits

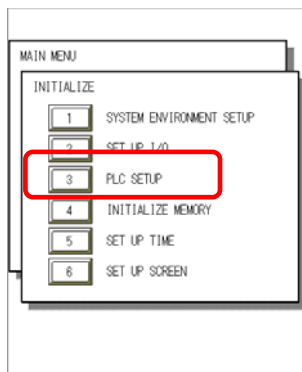
Stop Bit: 1 Bit

Parity: Even

Control : ER Cntrl

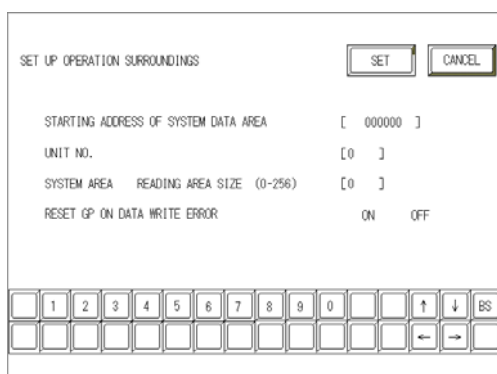
Communication Format : RS-232C

3) Setting up Operation Surroundings



3) Setting up Operation Surroundings

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





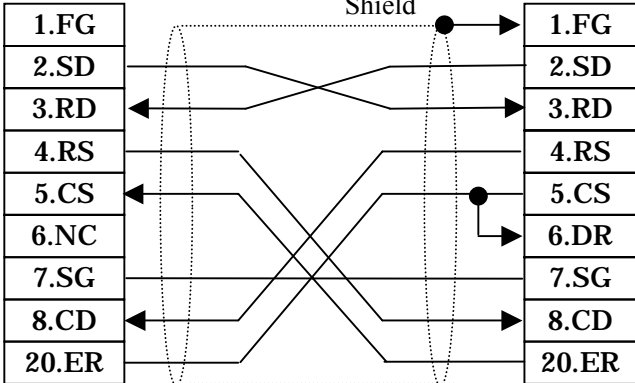
Starting Address of System Data Area:
Arbitrary Address

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) Shield 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		