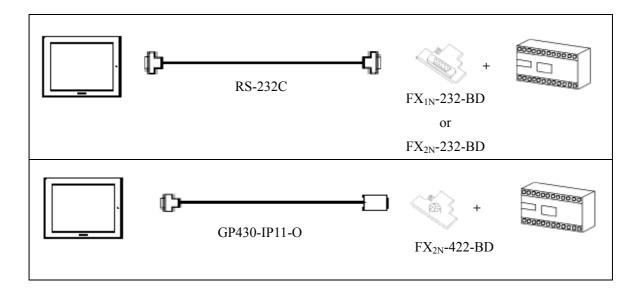


Mitsubishi <18> Mitsubishi Electric Corporation

FX Series + Expansion Board (CPU Direct Protocol) Connection

System Structure



GP

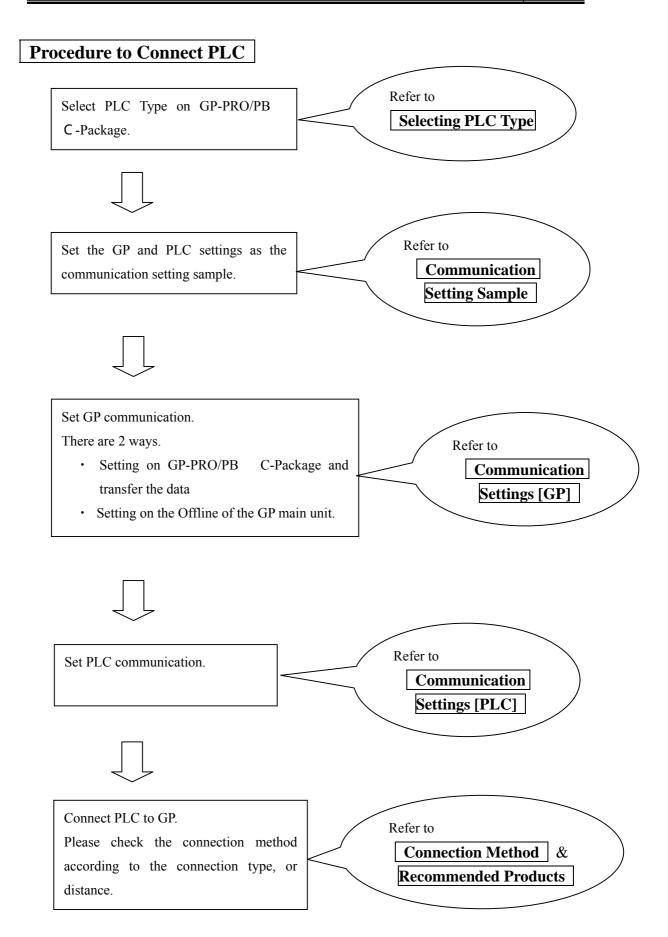
Machine	Model	Remark
GP	GP70 Series GP77/77R Series GP2000 Series	Excepting for handy types. The internal 2-Port feature is supported by only GP77/77R Series and GP2000 Series.
GLC	GLC2000 Series	2-Port Adapter and the internal 2-Port feature are not supported.



PLC

CPU	Expansion Board	Communication Method	Connection Cable	GP
FX _{1S}	FX _{1N} -232-BD		Connection Method	
FX_{2N}	FX _{2N} -232-BD	RS-232C	[1]	
	FX _{2N} -422-BD		Connection Method [2]	







Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Communication Setting Sample

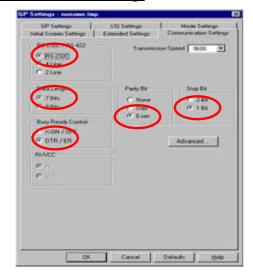
GP Setup		FX Series Settings
Baud Rate	9600 bps	
Data Length	7 bits (fixed)	
Stop Bit	1 bit (fixed)	
Parity Bit	Even (fixed)	
Data Flow Control	ER Control	
Communication Format	RS-232C	
Unit No.	0 (fixed)	



Communication Settings [GP]

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

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

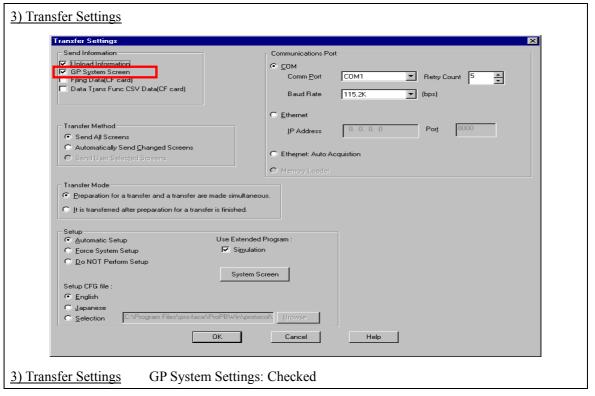


2) Mode Settings

System Start Address: Arbitrary Address



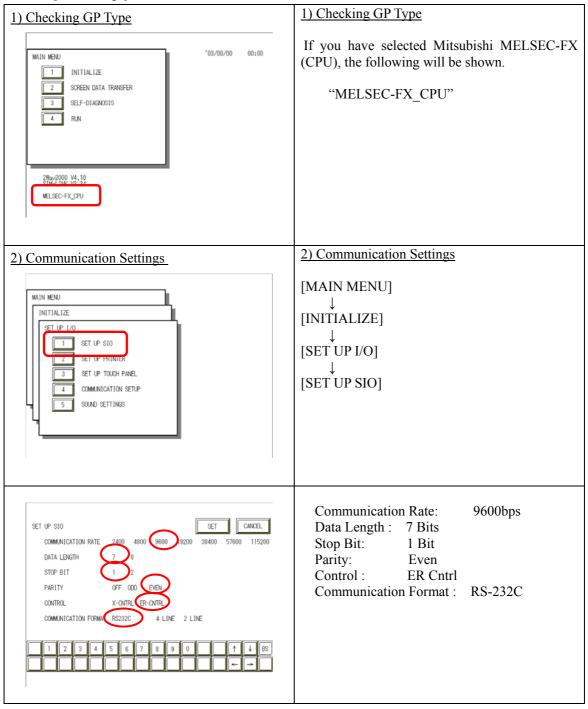
Select [Transfer] --> [Setup] --> [Transfer Settings].



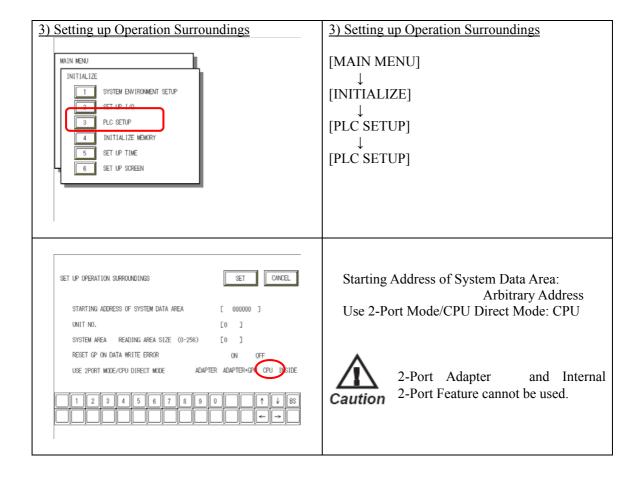
Transfer to GP after settings completed.



2 [GP Settings]







Communication Settings [PLC]

There are no items to set on the PLC.



Connection Method

[Connecting to FX_{1N} -232-BD, FX_{2N} -232-BD via Expansion Board]

Туре	Connection Method	
Using GP410-IS00-O	To GP GP410-IS00-O or F_2 -232CAB by Mitsubishi Elec. Commercial D-sub 25pin \leftrightarrow D-sub 9pin Conversion Connecter (Straight Type)	5m
Creating Cable * a part of GP410-IS00-O	To GP (25p Male) 1.FG 2.SD 3.RD 4.RS 5.CS 6.NC 7.SG 8.CD 20.ER Expansion Board 1.FG 2.SD 3.RD 4.RS 5.CS 6.DR 7.SG 8.CD 20.ER	Within 15m



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



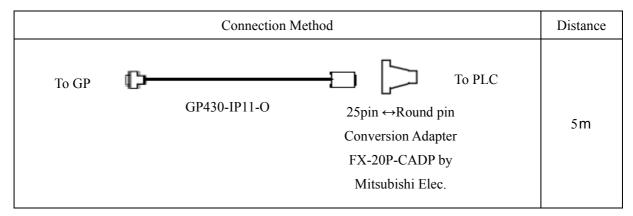
The optional cable, GP410-IS00-O is 5m long. If you need a longer cable or shorter, please use a user-created cable to connect.



Recommended Products

Connecter/Cover for GP	D-sub 25 pin Plug	XM2A-2501 <omron co.=""></omron>
	Cover for D-sub 25 pin	XM2S-2511 <omron co.=""></omron>
	Jack Screw	XM2Z-0071 <omron co.=""></omron>
Cable	CO-MA-VV-SB5P × 28AWG <hitachi cable="" ltd.=""></hitachi>	
Setscrew	Metric Coarse Screw Tread : M2.6 × 0.45	

[Connecting to FX_{2N}-422-BD via Expansion Board]





A user-created cable cannot be used.

Please be sure to use GP430-IP11-O.