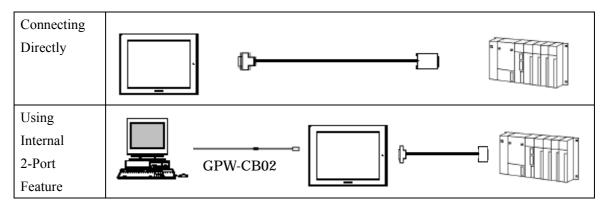


# Mitsubishi <12> Mitsubishi Electric Corporation Q Series (A Mode) CPU Direct Connection

## **System Structure**



Caution

2-Port Adapter cannot be used.

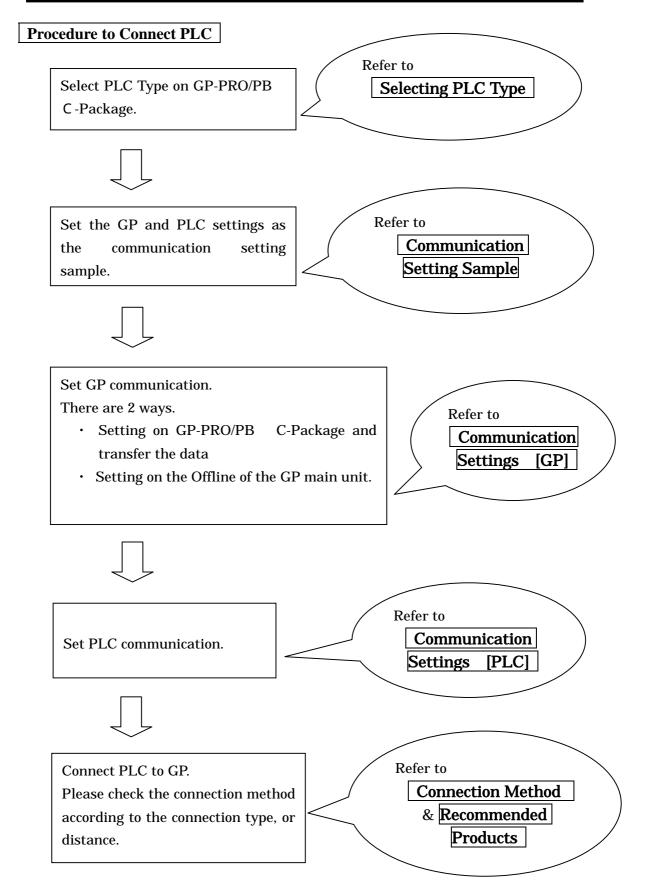
GP

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	Communication Method	Connection Cable	GP
Q02-A Q02H-A Q06H-A	RS-232C	<b>Connection Method</b>	







# **Selecting PLC Type**

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Mitsubishi MELSEC-AnA (CPU)

## **Communication Setting Sample**

GP Setup		PLC Settings
Baud Rate	9600bps (fixed)	
Data Length	8bit (fixed)	
Stop Bit	1bit (fixed)	
Parity Bit	Odd (fixed)	
Data Flow Control	ER Control	
Communication Format	RS-232C	
Unit No.	0 (fixed)	

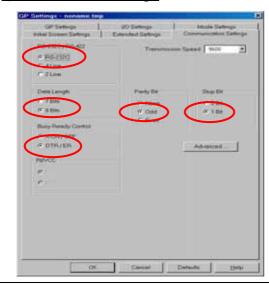


## Communication Settings [GP]

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

Select [GP Setup] on Project Manager.

#### 1) Communication Settings



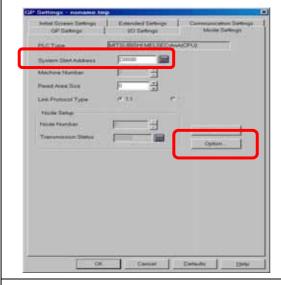
#### 1) Communication Settings

Transmission Speed: 9600bps

Data Length: 8 Bits Stop Bit: 1 Bit Parity Bit: Odd

Busy Ready Control: DTR / ER RS-232C/ RS-422: RS-232C

#### 2) Mode Settings

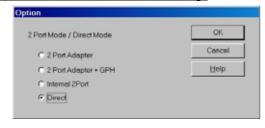


#### 2) Mode Settings

System Start Address: Arbitrary Address

Select [Option...].

## 3) 2-Port Mode/Direct Mode Settings



#### 3) 2-Port Mode/Direct Mode Settings

Connecting CPU Directly: Direct Using Internal 2-Port Adapter:

2-Port Adapter

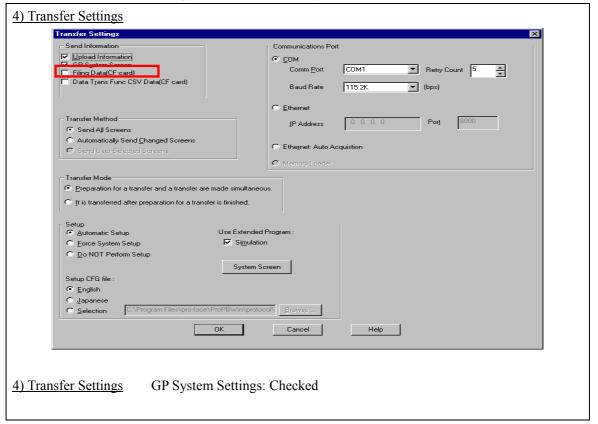


2-Port Adapter cannot be

aution used.



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



Transfer to GP after settings completed.

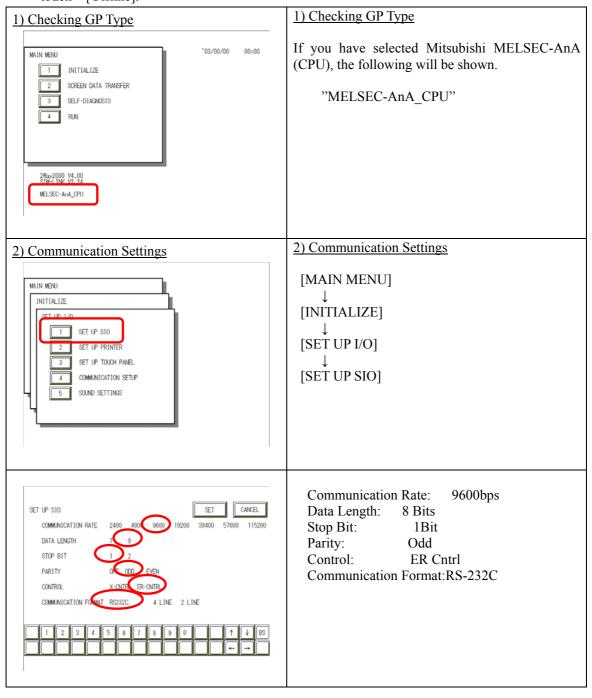


#### 2 [GP Settings]

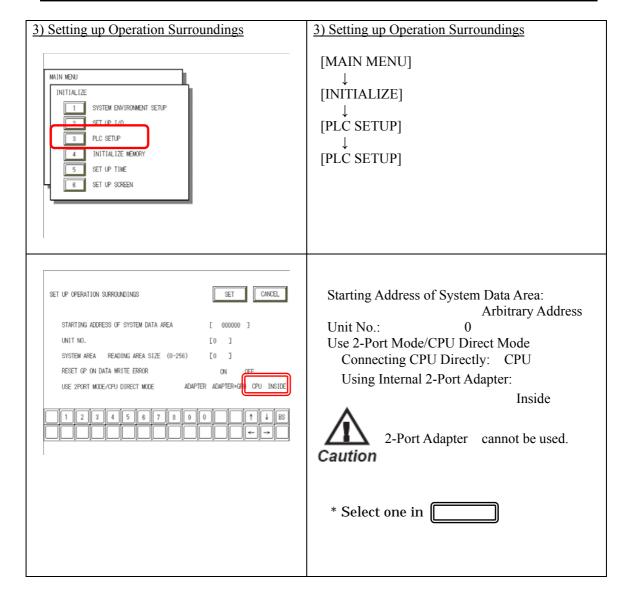
#### -Displaying Setting Screen-

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].







# **Communication Settings [PLC]**

There are no items to set on the PLC.



## **Connection Method**

Type	Connection Method		Distance
Using	GP Unit	PLC	
QC30R2 by	25 pin Male	Mini DIN 9 pin	
Mitsubishi			
Electric	_	Ferrite Core	
Corporation		Ferrite Core Holder	3 m
*9-25pin	Conversion Adapter C	2C30R2 by Mitsubishi	
Conversion			
Adapter is			
required.			
Using	GP Unit	PLC	
DQCABR2 by	25 pin Male	Mini DIN 9 pin	
Diatrend			Range
		Ferrite Core Ferrite Core Holder	between 1.5 and 15 m

# NOTE

- Attaching a Ferrite Core will reduce the amount of noise in your cable.
- Attach two Ferrite Cores to your cable, one at each end. Also, as shown in the drawing below, loop the cable once around the Ferrite Core.
- When using a data communication cable that is 3m (approx. 10 ft.) or longer, please use a cable made by Diatrend Corporation.



# **Recommended Products**

Ferrite Core	E04SR301334 <seiwa corporation="" electronics=""></seiwa>	
	39mm 34mm 313mm 30mm	
9-25 Conversion	n ZA-403 <roas co.=""></roas>	
Adapter		

# [Creating a 9-25 pin Conversion Adapter]

Connecter/Cover	D-sub 25 pin Plug	XM2A-2501 <om< th=""><th>RON Co.&gt;</th></om<>	RON Co.>
for GP	Cover for D-sub 25 pin	XM2S-2511 <omf< td=""><td>RON Co.&gt;</td></omf<>	RON Co.>
	Jack Screw	XM2Z-0071 < OMI	RON Co.>
Setscrew	Metric Coarse Screw Tre	ad: M2.6 × 0.45	
Diagram	D-sub 25 pin Male D-sub 9 pin Male		
	Lock-screw (mm)	Lock-screw (mm)	
	Frame	<del></del>	Frame
	1	]	
	8		1
	3 —		2
	2		3
	20		4
	7		5
	6		6
	4		7
	5		8
	22		9
	4	·	
		6 cm	