Recipe Function

Sample Screen Manual

Mitsubishi Electric Corporation

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REVISIONS

Sample Screen Manual

Date	Control No.*	Description
2013/8/19	BCN-P5999-0116	First edition

* The Control No. is noted at the lower right of each page.

Project Data

Date	Project data	GT Designer3*	Description
2013/8/19	Recipe_V_Ver1_E.GTX	1.100E	First edition

* The version number of screen design software used to create the project data is listed. Please use the screen design software with the listed version or later.

1. OUTLINE

This manual explains the sample screens of GOT2000 when using the recipe function.

2. SYSTEM CONFIGURATION

- GOT2000
- GT27**-V(640×480)
- Interface: Standard I/F (Ethernet)
- SD card

Ethernet cable *1

Q06UDEHCPU

*1 For more details about the cable, please refer to the "GOT2000 Series Connection Manual (Mitsubishi Products)".

3. GOT

3.1 System Applications That Are Automatically Selected

Туре	System application name		
Standard Eurotian	Standard System Application		
Standard Function	Standard Font		Japanese
Communication Driver	Ethernet Connection		Ethernet (MELSEC), Q17nNC, CRnD-700, Gateway
	Standard Font		Chinese (Simplified)
Extended Eurotion	Outline Font	Gothic	Alphanumeric/Kana
			Japanese (Kanji)
			Chinese (Simplified)

3.2 Controller Setting of Screen Design Software

Detail Setting

Item	Set value	Remarks
GOT NET No.	1	
GOT Station No.	2	
GOT Ethernet Setting	Refer to table below	
GOT Communication Port No.	5001	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	

GOT Ethernet Setting

Item	Set value	Remarks
Reflect GOT Ethernet setting in the GOT	Checked	
GOT IP Address	192.168.3.18	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	

3.3 Ethernet Setting of Screen Design Software

	Host	Net No.	Station	Unit type	IP address	Port No.	Communication
1	*	1	1	QnUD(P)V/QnUDEH	192.168.3.39	5006	UDP

4. SCREEN SPECIFICATIONS

4.1 Display Language

The language of the text displayed on the screen can be switched between Japanese, English and Chinese (Simplified). The text strings in each language are registered in the columns No. 1 to No. 3 in the comment group No. 255 as shown below. When the column No. is set in the language switching device, the language corresponding to the column No. will appear.

Column No.	Language
1	English
2	Japanese
3	Chinese (Simplified)

4.2 Screen Transition





4.3 Explanation of Screens

4.3.1 Changeover - Registration Screen (B-30001)





4.3.2 Changeover - Operation Screen (B-30002)

4.3.3 Pattern Switching - Registration Screen (B-30003)

4.3.4 Pattern Switching - Operation Screen (B-30004)

4.4 Device List

Some of the devices used for settings of the on-screen switches and lamps, etc., are also used for common settings in scripts, etc. Using [Batch Edit] is recommended to change these devices in a batch. For more details about using [Batch Edit], please refer to the "GT Designer3 (GOT2000) Help".

4.4.1 Devices of the controller

Туре	Device No.	Application
Bit	Not used	
Word	Not used	

4.4.2 GOT internal devices

Туре	Device No.	Application
	GB40	Script No. 30001 trigger (always ON)
	GB60100	Recipe (No. 30001) write trigger
Dit	GB60101	Recipe (No. 30001) read trigger
DIL	GB60110	Recipe (No. 30001) Item-4
	GB60200	Recipe (No. 30002) write trigger
	GB60201	Recipe (No. 30002) read trigger
	GD60000	Base screen switching
	GD60021	Language switching
	GD60022	System language switching
	GD60100 to GD60109	Recipe (No. 30001) Product Name
	GD60110 to GD60119	Recipe (No. 30001) Product No.
	GD60120 to GD60122	Recipe (No. 30001) Item-1 to Item-3
Word	GD60130	Recipe (No. 30001) record No. device
	GD60200	Recipe (No. 30002) 1st Speed
	GD60201	Recipe (No. 30002) 2nd Speed
	GD60202	Recipe (No. 30002) 3rd Speed
	GD60210 to GD60218	Scatter graph
	GD60230	Recipe (No. 30002) record No. device
	GD60300 to GD60302	Recipe common settings

4.5 Comment List

Comment Group No.	Comment No.	Where comments are used
	No.1 to No.6	All screens
	No.7	B-30001
	No.8	B-30002
	No.9 to No.11	B-30001
	No.12	B-30002
	No.13 to No.19	B-30001, B-30002
255	No.20	B-30001, B-30003
	No.21	B-30002
	No.23	B-30003
	No.24	B-30004
	No.25 to No.34	B-30003, B-30004
	No.43, No.44	B-30003
	No.45	B-30004

4.6 Script List

Item	Settings
Project Script	Specified
Screen Script	Not specified
Object Script	Not specified

4.6.1 Project script

Script No. 30001			
Script name	Script30001	Comment	Scatter graph display
Data type	Signed BIN16	Trigger type	Rise, GB40
[w:GD60210]=0 [w:GD60211]=1 [w:GD60212]=4 [w:GD60213]=4 [w:GD60214]=7 [w:GD60215]=8 [w:GD60216]=7 [w:GD60217]=7 [w:GD60218]=0	 J); //Set 0 to X Device of Sc J); //Set 10 to X Device of S J); //Set 40 to X Device of S J); //Set 45 to X Device of S J); //Set 75 to X Device of S J); //Set 80 to X Device of S J); //Set 110 to X Device of S J); //Set 120 to X Device of S J); //Set 0 to Y Device of Sc 	atter Graph in B catter Graph in I catter Graph in I catter Graph in catter Graph in Scatter Graph in Scatter Graph in Scatter Graph in atter Graph in B	ase Screen 30003, 30004 Base Screen 30003, 30004

5. BINARY FILE \rightarrow UNICODE TEXT/CSV FILE CONVERSION

The recipe file created with the recipe function is a binary file (*.G2P). To display and edit the recipe file on a personal computer, it must be converted into a Unicode text file or CSV file. The following methods can be used to convert the file.

- (1) Conversion using GT Designer3
 - 1. Save the binary file on the personal computer.
 - 2. Select the [Tools] [Resource Data Conversion] [Recipe File] menu of GT Designer3.
- (2) Conversion using the utility

Select the G2P file in the [Recipe Information] of the utility. Then touch $G2P \rightarrow CSV$ or $G2P \rightarrow TXT$.

- (3) Conversion using the devices
 - 1. Specify the [External Control Information] settings (Recipe Common Setting) and set the [File Conversion External Control] (Recipe (File Save tab)).
 - 2. Write the recipe No. in the recipe No. storage device, and turn on b8 (recipe file convert signal) of the external control device.

For more details, please refer to 2."Operation using recipe files" in 9.3.2 "How to use the recipe" in the "GT Designer3 (GOT2000) Help".

6. TEMPLATES

Templates are a group of figures and objects. Related settings are grouped into template attributes and registered, so the devices and colors can be easily changed in a batch. For more details about changing the attribute settings, please refer to the "GT Designer3 (GOT2000) Help".

The template information is only displayed on the screen design software's editing screen. It is not displayed on the GOT display screen.

Example: Changing a font

(1) Select [Template Information], and click on [Template Property] (or double-click [Template Information]).

(2) Click on [Font], and select the new font.

