MITSUBISHI

MELSOFT

Integrated FA Software

GT Converter2

Version 2

Operating Manual

SW2D5C-GTWK2-E
SW2D5C-GTD2-E

● SAFETY PRECAUTIONS ●

(Be sure to read these instructions before using the product)

Before using this product, read this manual and the relevant manuals introduced in this manual carefully and handle the product correctly with full attention to safety.
Note that these precautions apply only to this product.
In this manual, the safety instructions are ranked as "WARNING" and "CAUTION".

⚠ WARNING	Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.
⚠ CAUTION	CAUTION Indicates that incorrect handling may cause hazardous conditions, resulting in minor or moderate injury or property damage.

Note that failure to observe the ⚠ CAUTION level instructions may also lead to serious results depending on the circumstances.
Be sure to observe the instructions of both levels to ensure personal safety.

Please keep this manual in accessible place and be sure to forward it to the end user.

[Precaution for Conversion]

⚠ Caution
● All project data conversion for the GOT1000 or GOT-A900 series using GT Converter2 shall not be guaranteed. Before downloading converted project data to the GOT, be sure to check the settings with GT Designer2 and correct them if necessary. Failure to do so can lead to malfunction.

Cautions for using this software

1. Required PC memory

   The processing may be terminated by Windows® on a personal computer of which main memory capacity is less than 64M bytes. Make sure to secure the capacity of 64 M bytes or more.

2. Free capacity of hard disk (virtual memory)

   At least 50M bytes of free capacity of virtual memory should be secured within hard disk to run this software.

   The processing may be terminated by Windows®, if 50M bytes or more of free space cannot be secured within hard disk while running GT Designer.

   Secure enough free capacity of virtual memory within hard disk space in order to run the software.

   When enough free capacity cannot be secured, make sure to save projects frequently.

3. Error messages displayed while starting and editing

   "Insufficient memory."

   If the above message appears, close other running application software or reboot Windows in order to secure at least 50M bytes of free hard disk space.

4. OS setting

   Set the font size as "Small Font" when setting OS (Windows®) screen.

   The GT designer2 dialog box cannot be displayed correctly if the font size is set as "Large font".

REVISIONS

* The manual number is given on the left bottom of the back cover.

Print Date	*Manual Number	Revision
Oct., 2004	SH(NA)-080533ENG-A	First Printing
Mar., 2005	SH(NA)-080533ENG-B	Compatible with GT Converter2 Version2.09K. Partial corrections Section 1.1, 3.1, 4.1.1, 4.1.2, 4.2, 4.4, 5.3, 5.3.2, 5.4, Appendix 1, 2, 2.2, 2.3, 2.6 Additions Appendix 3
Jan., 2006	SH(NA)-080533ENG-C	Compatible with GT Converter2 Version 2.27D Partial corrections Appendix 2.2, 2.8, 3
Jun., 2006	SH(NA)-080533ENG-D	Partial corrections Appendix 2.1
Nov., 2006	SH(NA)-080533ENG-E	Compatible with GT Converter2 Version 2.43V Partial corrections Section 5.3.2, Appendix 2.1, 2.2, 2.6, 2.7, 3
Dec., 2007	SH(NA)-080533ENG-F	Compatible with GT Converter2 Version 2.73B Partial corrections Section 1.1, 3.1, 4.1.2, 5.3, 5.3.2, Appendix 2.5 Partical additions Section 3.1, 5.4.1, Appendix 1.2, 2.6, 2.7, 3
Feb., 2008	SH(NA)-080533ENG-G	Compatible with GT Converter2 Version 2.77F Partial corrections Section 5.4, Appendix 3 Partical additions Section 5.4.1
Jun., 2008	SH(NA)-080533ENG-H	Compatible with GT Converter2 Version 2.82L Partial corrections Section 2.1, 2.2, Appendix 1.2 Partical additions Chapter 1, Section 5.4.1, Appendix 3
Oct., 2010	SH(NA)-080533ENG-I	Additions Appendix 3
Sep., 2012	SH(NA)-080533ENG-J	Additions SAFETY PRECAUTIONS changed, Appendix 2.5

Japanese Manual Version SH-080512-K

INTRODUCTION

Thank you for purchasing Mitsubishi Graphic Operation Terminal (Mitsubishi GOT).
Prior to use, read this manual to fully understand the functions and performance of the GOT.

CONTENTS

Manuals

The following table lists the manual relevant to this product.
You can order it as necessary.

Related Manuals

Manual Name	Manual Number (Type code)
GT Designer2 Version2 Basic Operation/Data Transfer Manual (for GOT1000 Series) Describes methods of the GT Designer2 installation operation, basic operation for drawing and transmitting data to GOT1000 series. (Sold separately)*1	SH-080529ENG (1D7M24)
GT Designer2 Version2 Screen Design Manual (for GOT1000 Series) 1/3 GT Designer2 Version2 Screen Design Manual (for GOT1000 Series) 2/3 GT Designer2 Version2 Screen Design Manual (for GOT1000 Series) 3/3 Describes specifications and settings of the object functions used in GOT1000 series. (Sold separately)*1	SH-080530ENG (1D7M25)
GT Designer2 Version2 Operating Manual (Startup ▪ Introductory Manual) Explains how to install GT Designer2 and screen editing methods for novice GOT900 series users. (Sold separately)*1	SH-080520ENG (1DM215)
GT Designer2 Version2 Operating Manual Explains how to operate GT Designer2 and how to transfer data to GOT900 series. (Sold separately)*1	SH-080521ENG (1DM216)
GT Designer2 Version2 Reference Manual Provides specifications and setting details of various object functions used in GOT900 series. (Sold separately)*1	SH-080522ENG (1DM217)

*1 Included with GT Works2 and GT Designer2 in PDF format.

Abbreviations and Generic Terms

Abbreviations and generic terms used in this manual are as follows:

■ GOT

Abbreviations and generic terms			Description
GOT1000 Series	GT SoftGOT1000		Abbreviation of GT SoftGOT1000
	GT1595	GT1595-X	Abbreviation of GT1595-XTBA, GT1595-XTBD
	GT1585	GT1585V-S	Abbreviation of GT1585V-STBA
		GT1585-S	Abbreviation of GT1585-STBA, GT1585-STBD
	GT157□	GT1575V-S	Abbreviation of GT1575V-STBA
		GT1575-S	Abbreviation of GT1575-STBA, GT1575-STBD
		GT1575-V	Abbreviation of GT1575-VTBA, GT1575-VTBD
		GT1575-VN	Abbreviation of GT1575-VNBA, GT1575-VNBD
		GT1572-VN	Abbreviation of GT1572-VNBA, GT1572-VNBD
	GT156□	GT1565-V	Abbreviation of GT1565-VTBA, GT1565-VTBD
		GT1562-VN	Abbreviation of GT1562-VNBA, GT1562-VNBD
	GT155□	GT1555-V	Abbreviation of GT1555-VTBD
		GT1555-Q	Abbreviation of GT1555-QTBD, GT1555-QSBD
		GT1550-Q	Abbreviation of GT1550-QLBD
	GT15□□, GT15		Abbreviation of GT1595, GT1585, GT157□, GT156□, GT155□
	GT115□	GT1155-Q	Abbreviation of GT1155-QTBDQ, GT1155-QSBDQ, GT1155-QTBDA, GT1155-QSBDA, GT1155-QSBD
		GT1150-Q	Abbreviation of GT1150-QLBDQ, GT1150-QLBDA, GT1150-QLBD
	Handy GOT	GT1155HS-Q	Abbreviation of GT1155HS-QSBD
		GT1150HS-Q	Abbreviation of GT1150HS-QLBD
	GT11□□, GT11		Abbreviation of GT1155-Q, GT1150-Q, GT11 Handy GOT
	GT1030		Abbreviation of GT1030-LBD, GT1030-LBD2, GT1030-LBDW, GT1030-LBDW2
	GT1020		Abbreviation of GT1020-LBD, GT1020-LBD2, GT1020-LBL, GT1020-LBDW, GT1020-LBDW2, GT1020-LBLW
	GT10□□, GT10		Abbreviation of GT1030, GT1020
GOT900 Series			Abbreviation of GOT-A900 series, GOT-F900 series
GOT800 Series			Abbreviation of GOT-800 series

■ Software

Abbreviations and generic terms	Description
GT Converter2	Abbreviation of data conversion software GT Converter2 for GOT1000/GOT900 series
GT Works2 Version□	SW□D5C-GTWK2-E, SW□D5C-GTWK2-EV
GT Designer2 Version□	SW□D5C-GTD2-E, SW□D5C-GTD2-EV
GT Designer2	Abbreviation of screen drawing software GT Designer2 for GOT1000/GOT900 series
GT Simulator2	Abbreviation of screen simulator GT Simulator 2 for GOT1000 / GOT900 series
GT SoftGOT1000	Abbreviation of monitoring software GT SoftGOT1000
GT SoftGOT2	Abbreviation of monitoring software GT SoftGOT2
GX Developer	Abbreviation of SW□D5C-GPPW-E(-EV)/SW□D5F-GPPW-E type software package
GX Simulator	Abbreviation of SW□D5C-LLT-E(-EV) type ladder logic test tool function software packages (SW5D5C-LLT (-EV) or later versions)
PX Developer	Abbreviation of SW□D5C-FBDQ-E type FBD software package for process control
Document Converter	Abbreviation of document data conversion software Document Converter for GOT1000 series
DU/WIN	Abbreviation for PX-PCS-DU/WIN
SW3NIW-A8GOTP	SW3NIW-A8GOTP Graphic Settings Software Package
GP-PRO/PBⅢ Series	Generic term for GP-PRO/PBⅢ (DOS Version), GP-PRO/PBⅢ for Windows95, GP-PRO/PBⅢ for Windows, GP-PRO/PBⅢ C-Package01, GP-PRO/PBⅢ C-Package02 and GP-PRO/PBⅢ C-Package03

■ Other

Abbreviations and generic terms	Description
Computer	Generic term for IBM PC/AT®-compatible personal computer (Including PC98-NX®)

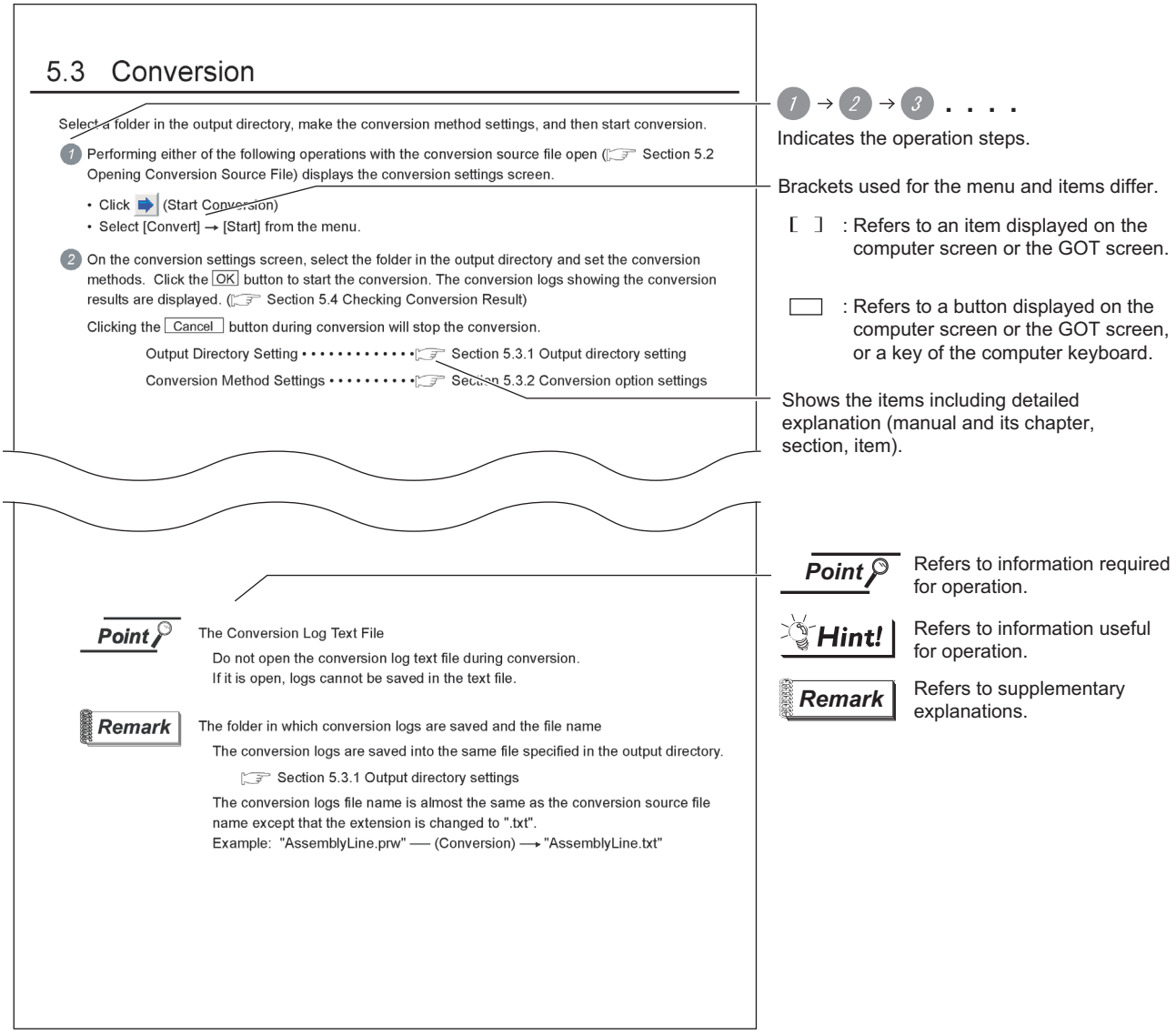
How to use this manual

1 Functions

This manual describes functions available for the GT Converter2 Version2.82L.
For the added functions by the product version upgrade, refer to the list of functions added by GT Converter2 version upgrade in Appendices.

2 Symbols

Following symbols are used in this manual.



*The above is user for explanation only and differs from the actual page.

Memo

1. OUTLINE

This manual explains the specifications and operation methods of GT Converter2.

Point

Installation method of GT Converter2

For the installation method of GT Converter2, refer to the following manuals.

☞ GT Designer2 Version□ Basic Operation/Data Transfer Manual
(2.2 Installing the Software Programs)

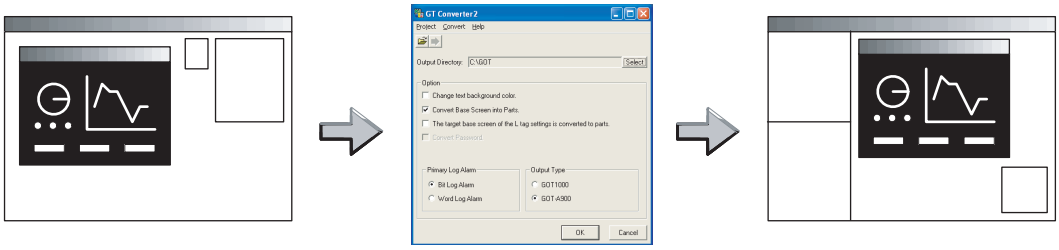
1.1 Features

GT Converter2 is software that converts project data created by existing screen editor software into those available for use on GT Designer 2.

1 Compatible with Digital Electronics Corporation's screen editor software

••••••••••••••••••☞ Section 3.1 Compatible File Formats

Project data created by Digital Electronics Corporation's GP-PRO/PBⅢ series screen editor software can be converted into GT Designer2 project data (for the GOT1000 or GOT-A900).



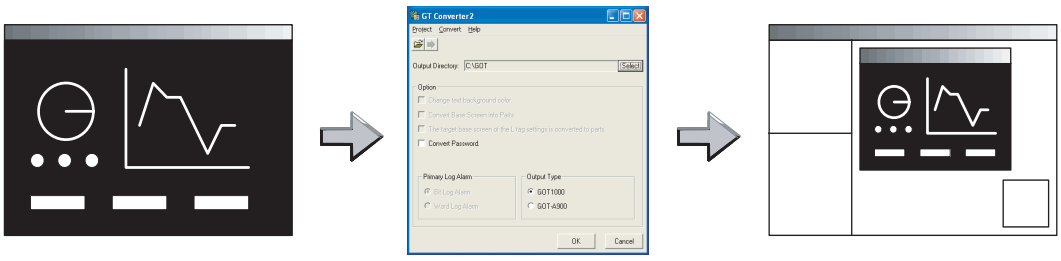
GP-PRO/PBⅢ series　　GT Converter2　　GT Designer2

The GOT1000 or GOT-A900 series can be selected as a GOT type.

2 Compliance with GOT800 series screen editor software

••••••••••••••••••☞ Section 3.1 Compatible File Formats

Project data created by the GOT800 series screen editor software, SW3NIW-A8GOTP, can be converted into GT Designer 2 project data (for the GOT1000 or GOT-A900).



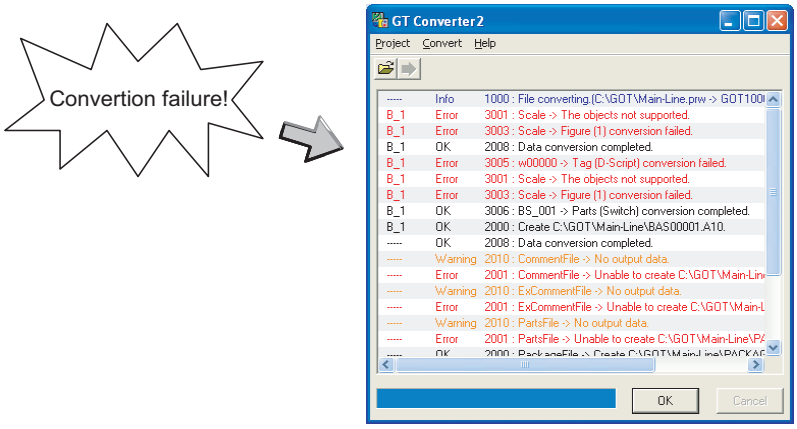
SW3NIW-A8GOTP　　GT Converter2　　GT Designer2

The GOT1000 or GOT-A900 series can be selected as a GOT type.

3 Outputting conversion logs

••••••••••••••••••☞ Section 5.4 Checking Conversion Result

The conversion logs (conversion results) can be displayed on the screen and saved as a text file.
If a conversion failure occurs, the cause of the failure can be checked on the conversion logs.



2. SYSTEM CONFIGURATION

2.1 System Configuration

Because GT Converter2 is installed into the same computer where GT Designer2 is installed, the system configuration is the same as that of GT Designer2.

System Configuration • • • ☞ GT Designer2 Version□ Basic Operation/Data Transfer Manual (Section 1.5 System Configuration)

2.2 Operating Environment

Item		Description
Personal computer		PC/AT compatible personal computer that Windows® runs on
Operating system		Microsoft® Windows® 98 Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows® Millennium Edition Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows NT® Workstation 4.0 Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 Microsoft® Windows® 2000 Professional Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 Microsoft® Windows® XP Professional Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3 Microsoft® Windows® XP Home Edition Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3 Microsoft® Windows Vista® Ultimate Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3 Microsoft® Windows Vista® Enterprise Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3 Microsoft® Windows Vista® Business Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3 Microsoft® Windows Vista® Home Premium Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3 Microsoft® Windows Vista® Home Basic Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 *2 *3
Computer		Refer to "Applicable operating system and performance required for personal computer" on the next page.
	CPU	
	Memory	
Hard disk space		For installation: 10MB or more For execution: 50MB or more
Disk drive		CD-ROM drive
Display color		High Color (16 bits) or more
Display*3		Resolution 800 × 600 dots or more
Others		Internet Explorer 5.0 or later must be installed.
		The mouse, keyboard, printer, and CD-ROM drive must be compatible with the above OS.

*1: Administrator authority is required for installing GT Converter2.

*2: The following functions are not supported.
- "Compatibility mode"
- "Change your desktop themes (fonts)"
- "Fast user switching"
- "Remote desktop"

*3: Only the 32-bit OS is available.

Applicable operating system and performance required for personal computer

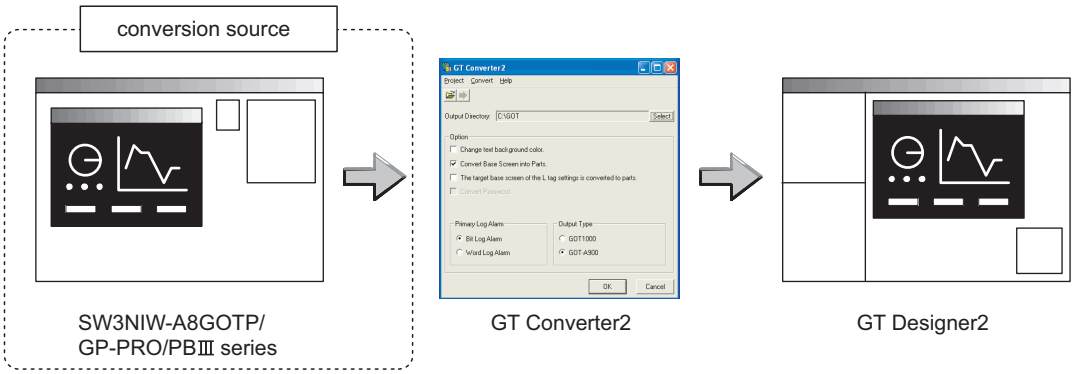
Operating system	Performance required for personal computer	
	CPU	Memory
Microsoft® Windows® 98 Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Pentium® 200MHz or more	64MB or more
Microsoft® Windows® Millennium Edition Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Pentium® 200MHz or more	64MB or more
Microsoft® Windows NT® Workstation 4.0 Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Pentium® 200MHz or more	64MB or more
Microsoft® Windows® 2000 Professional Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Pentium® 200MHz or more	64MB or more
Microsoft® Windows® XP Professional Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows® XP Home Edition Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Pentium II® 300MHz or more	128MB or more
Microsoft® Windows Vista® Ultimate Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows Vista® Enterprise Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows Vista® Business Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows Vista® Home Premium Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions) Microsoft® Windows Vista® Home Basic Operating System (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	800MHz or more (Recommended: 1GHz or more)	512MB or more (Recommended: 1GB or more)

3. SPECIFICATIONS

3.1 Compatible File Formats

This section explains GT Converter2 compatible file formats before and after conversion.

1 Conversion source file format



(1) Digital Electronics Corporation's screen editor software

The following can be specified as conversion source file formats.

Screen editor software	File format
GP-PRO/PBⅢ for Windows95 GP-PRO/PBⅢ for Windows GP-PRO/PBⅢ C-Package01 GP-PRO/PBⅢ C-Package02 GP-PRO/PBⅢ C-Package03	ProPB/Win project format (*.prw)
GP-PRO/PBⅢ (DOS Version)	ProPB/DOS project format (*.pro)

Point

Precautions for converting project data created by screen editor software from Digital Electronics Corporation

When project data created by the screen editor software of GP-PRO/PB Ⅲ series from Digital Electronics Corporation are not correctly converted, open and save the data again with the software, and then convert the data. As a result, the data may be correctly converted.

For details on the screen editor software of GP-PRO/PB Ⅲ series manufactured by Digital Electronics Corporation, refer to the following.

☞ Manual for GP-PRO/PB Ⅲ series manufactured by Digital Electronics Corporation

(2) GOT800 Series screen editor software

The following can be specified as a conversion source file format.

Screen editor software	File format
SW3NIW-A8GOTP	GOT800 Format (a8gotp.got)

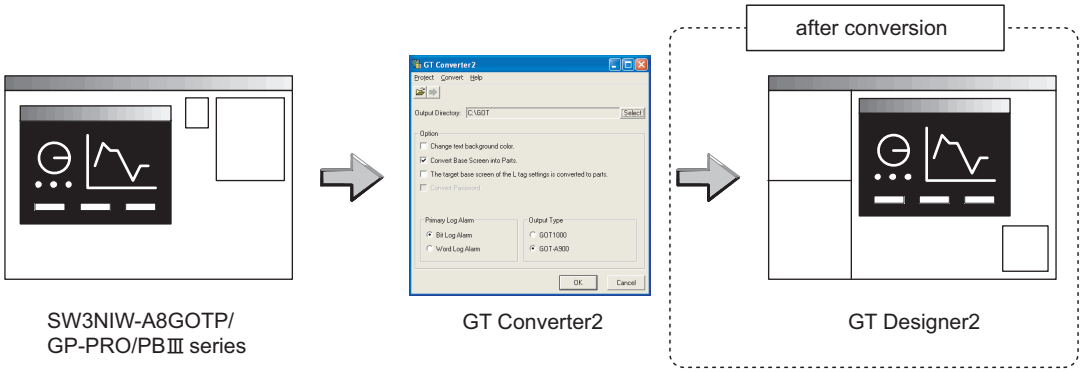
Remark

To Reuse Project Data Created for A64GOT or A77GOT

Using SW3NIW-A8GOTP, convert the project data for A64GOT or A77GOT into GOT800 file format.
The project data in GOT800 format can be converted into GT Designer2 project data using GT Converter2.
Refer to the following manual for the details.

☞ SW3NIW-A8GOTP Graphic Settings Software Package Operating Manual (Monitor Screen Creation Manual) (IB-66793) (Section 2.5 Using Previously Created GOT Data)

2 File format after conversion



The following can be specified for the file formats after conversion.

Manufacturer	Screen editor software	File format
Mitsubishi Electric Corporation	GT Designer2	GOT1000 Format (*.g1)
		GOT-A900 Format (A9GOTP.GOT)

Remark

Data Size of Converted File

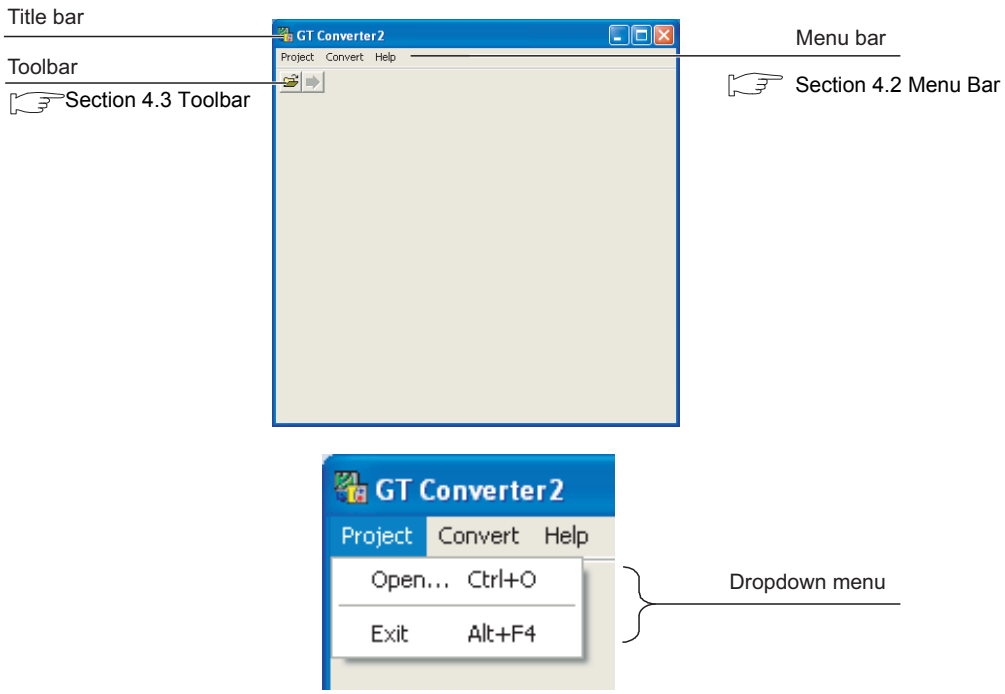
When checking the data size of the file after conversion, save the project data on GT Designer2 once, and then re-open the saved project data.
The data size may not be displayed properly if this is not performed.

4. GT CONVERTER2 SCREEN LAYOUT

4.1 Screen Layout and Basic Operations

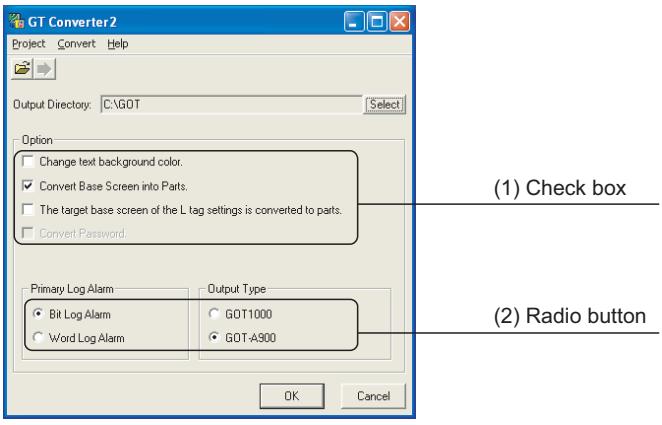
4.1.1 Screen layout

The screen is laid out as shown below.



4.1.2 Basic operations

Basic operations are explained here.



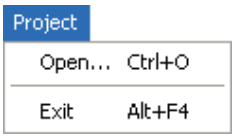
(1) Check box
To execute an item, click ☐ to put the ✓ mark.

(2) Radio button
Click ○ for the item to be selected.

4.2 Menu Bar

The following commands are provided on the menu bar.

Project



From the Project menu, project data can be opened and GT Converter2 can be exited.

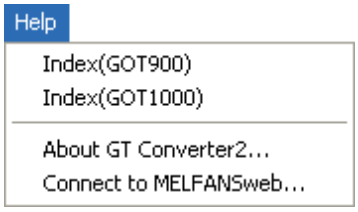
☞ Chapter 5. GT CONVERTER2 OPERATION METHODS

Conversion

From he Conversion menu, the conversion settings screen can be displayed.

☞ Chapter 5. GT CONVERTER2 OPERATION METHODS

Help



The help menu contains functions of viewing the PDF manual related to the GT Designer2 and checking the software version.

☞ Section 4.4 How to use Help

4.3 Toolbar

The following toolbar are provided.

Name	Content
Open	Opens a conversion source file.
Start	Used to make conversion settings and perform conversion.

4.4 How to use Help

Help is used for referring to the GT Designer2-relevant manual (PDF format) and confirming the software version.

Point

Before viewing PDF format manual

To view the PDF manual, GT Manual and Adobe® Reader® is required to be installed.

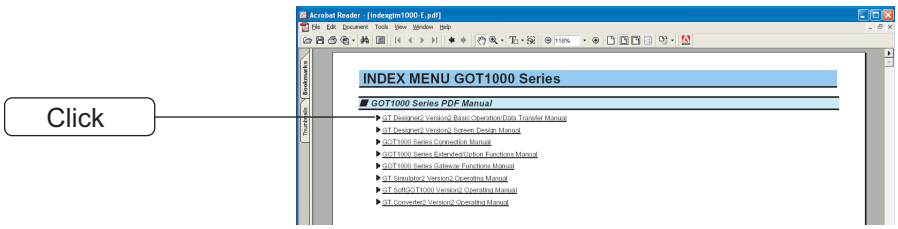
1 Operation method

1 Click on each menu item under [Help].

Item	Description
[Index (GOT 1000)], [Index (GOT900)]	This item is used for viewing a PDF manual.
[About GT Converter2...]	This item is used for confirming the GT Converter2 version.
[Connect to MELFANSweb...]	This item is used for connecting to the MITSUBISHI ELECTRIC FA NETWORK SERVICE ON WORLD WIDE, MELFANSweb homepage

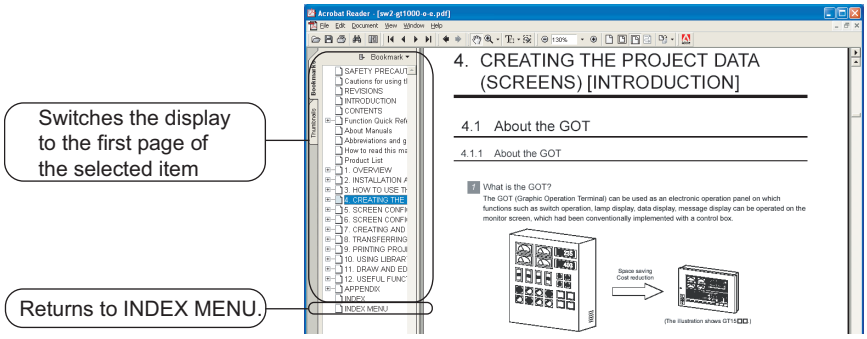
2 PDF manual viewing procedure (When [Index (GOT1000)] / [Index (GOT900)] is selected.)

1 After operation in 1, the screen shown below is displayed. Click the manual you want to view.



*The above is user for explanation only and differs from the actual page.

2 The selected manual is displayed.
(For details of the Adobe® Reader® operation method, refer to the help of Adobe® Reader®.)



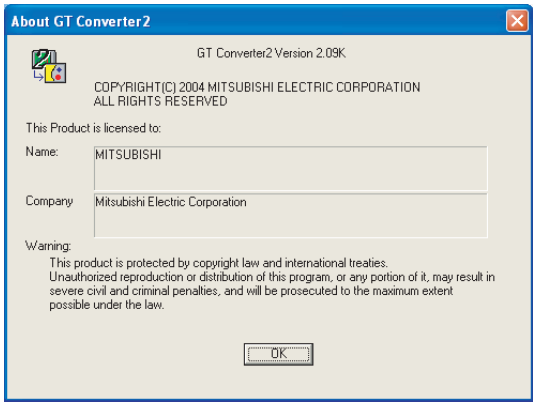
*The above is user for explanation only and differs from the actual page.

3 Clicking the icon on the bottom-right corner of the INDEX MENU switches the screen between the GOT1000 and GOT900 series manuals.

(Example : Screen displayed when changing to the GOT900 Series)

3 GT converter2 version check procedure (When selecting [About GT Converter2...])

1 After operation in 1, the Version Information screen is displayed.



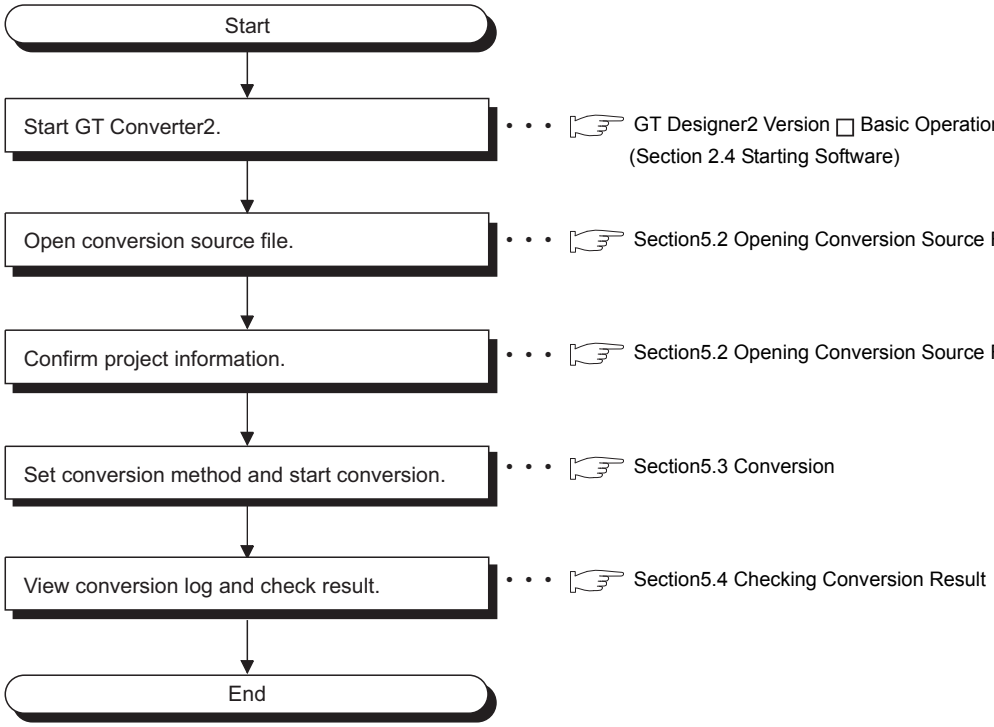
(Example: When the version is 2.09K)

Item	Description
GT Converter2	The version of the GT Converter2 is displayed.
Name	The name entered at GT Converter2 installation is displayed.
Company	The company name entered at GT Converter2 installation is displayed.
OK	Closes the version information screen.

5. GT CONVERTER2 OPERATION METHODS

5.1 Operating Procedures

The GT Converter2 operating procedures are shown below.



Remark To Reuse Project Data Created for A64GOT or A77GOT

Using SW3NIW-A8GOTP, convert the project data for A64GOT or A77GOT into GOT800 file format.
The project data in GOT800 format can be converted into GT Designer2 project data using GT Converter2.
Refer to the following manual for the details.

☞ SW3NIW-A8GOTP Graphic Settings Software Package Operating Manual (Monitor Screen Creation Manual) (IB-66793) (Section 2.5 Using Previously Created GOT Data)

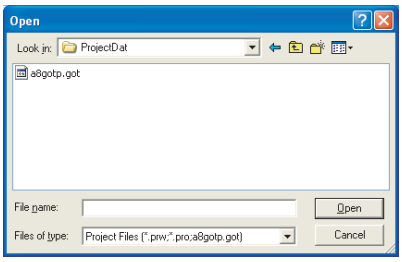
5.2 Opening Conversion Source File

Open a conversion source file.

1 Either of the following operations displays a dialog box.

- Click (Open).
- Select [Project] → [Open] from the menu.

2 Make the following settings and click the Open button to open the conversion source file.

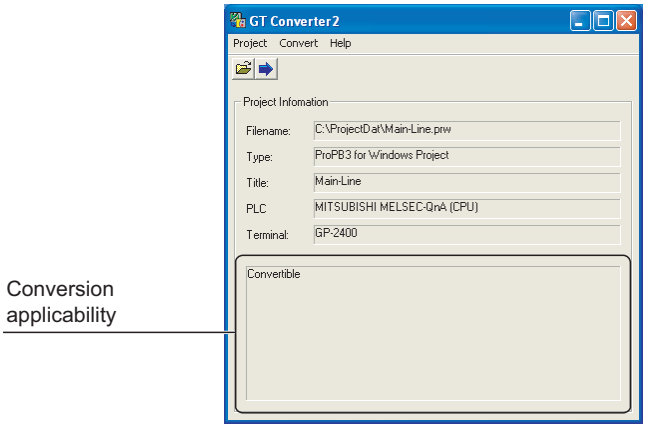


Item	Description
Lock in	Select the location where the conversion source file is saved.
File name	Enter the conversion source file name.

3 Opening the conversion source file displays the project information screen.

The project information obtained from the conversion source file is displayed on the project information screen.

"Unknown" is shown for items for which project information could not be obtained.



Item	Description
File name	Displays the project filename.
Type	Displays the type of the screen editing software used to create the conversion source file. ProPB3 for Windows Project: Displayed when the conversion source file was created by any of the following software. •GP-PRO/PB III for Windows95 •GP-PRO/PB III for Windows •GP-PRO/PB III C-Package01 •GP-PRO/PB III C-Package02 •GP-PRO/PB III C-Package03 ProPB3 for DOS Project: Displayed when the conversion source file was created by GP-PRO/PBIII (DOS version). A8GOTP Project: Displayed when the conversion source file was created by SW3NIW-A8GOTP.
Title	Displays the comment (GP-PRO/PB III series) or project title (SW3NIW-A8GOTP) set for the project.
PLC	Displays the PLC type set for the project.
Terminal	Displays the GP type (GP-PRO/PB III series) or GOT type (SW3NIW-A8GOTP) set for the project.
Conversion applicability	The conversion source file can be converted when "Convertible" is displayed. Conversion is not allowed when "Unconvertible" (*1) is displayed.

*1 "Unconvertible" is displayed in either of the following cases:

- When "Unknown" appears in "Type"
  Check if the conversion source file is faulty or not with the screen editor software.
- When the PLC type displayed in "PLC" does not support conversion (☞ Appendix 2.3 PLC type)

5.3 Conversion

Select a folder in the output directory, make the conversion method settings, and then start conversion.

1 Performing either of the following operations with the conversion source file open (☞ Section 5.2 Opening Conversion Source File) displays the conversion settings screen.

- Click (Start Conversion)
- Select [Convert] → [Start] from the menu.

2 On the conversion settings screen, select the folder in the output directory and set the conversion methods.

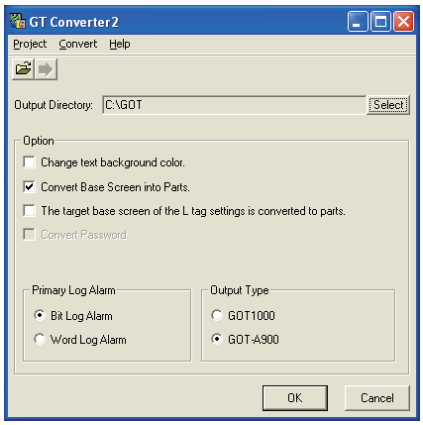
Click the OK button to start the conversion.

The conversion logs showing the conversion results are displayed. (☞ Section 5.4 Checking Conversion Result)

Clicking the Cancel button during conversion will stop the conversion.

Output Directory Setting • • • • • • • • • • • • • ☞ Section 5.3.1 Output directory setting

Conversion Method Settings • • • • • • • • • • ☞ Section 5.3.2 Conversion option settings



Point

(1) Converted File Types

The file type of the converted files varies depending on the conversion format settings (☞ Section 5.3.2 Conversion option settings)

Conversion format	File name
GOT1000	The following 3 types of files are output after conversion. • "<filename>.g1" • "<filename>.g1d" • "Script\Sc<Sequence number>.txt" (Output into "Script" folder) The name of the source project file is entered in <filename>. Example:"AssemblyLine.prw" ⟶ (Conversion) ⟶ "AssemblyLine.g1" A number greater than 1 is placed in <Sequence number>.
GOT-A900	After conversion, the following 8 types of files are output. • "A9GOTP.GOT" • "PARTS00.A9" • "BAS00001.A9" to "BAS08999.A9" • "WIN00001.A9" to "WIN08999.A9" • "COMMEN00.A9" • "PACKAGE.A9" • "GOTWAV00.A9" • "Script\Sc<Sequence number>.txt" (Output into "Script" folder) A number greater than 1 is placed in <Sequence number>.Example: "AssemblyLine.prw" ⟶ (Conversion) ⟶ "A9GOTP.GOT"

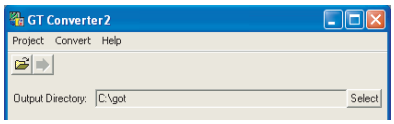
(2) Handling of Converted Files

The above set of files is all required when opening a converted file with GT Designer 2.
When handling the files (copy/move/delete), perform the operation on all of these files together.

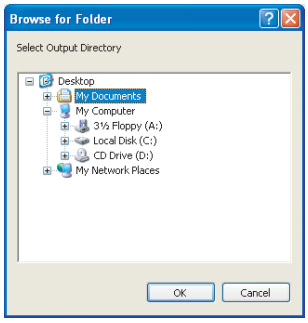
5.3.1 Output directory setting

Make the output directory setting on the conversion settings screen.
After conversion, the converted file and the conversion log are saved in the targeted output file.

1 Clicking on the Select button provided for "Output Directory:" on the conversion settings screen displays the Browse for Folder screen.



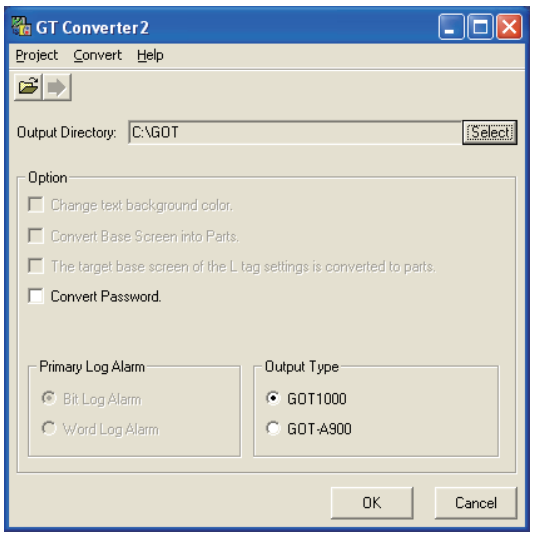
2 Select a folder on the Browse for Folder screen and click the OK button.



5.3.2 Conversion option settings

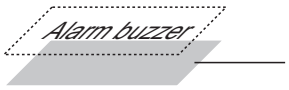
Set conversion methods on the conversion settings screen.

1 Make the following settings.



(When converting the project data for GOT800 series.)

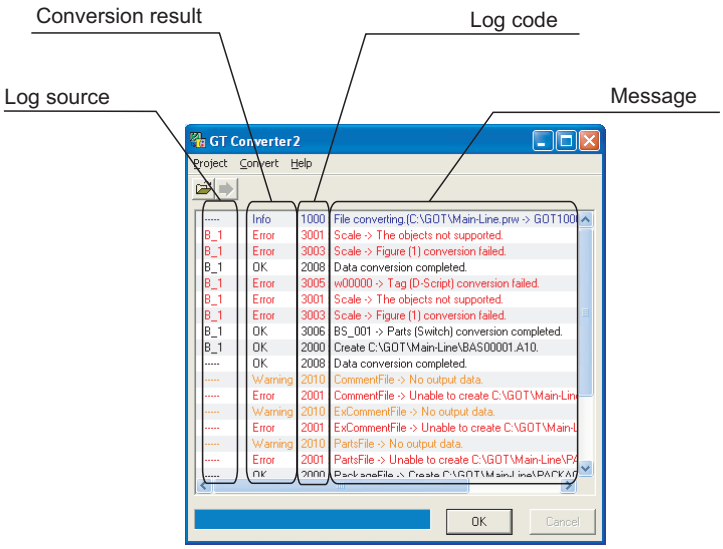
(When converting the project data for GP-PRO/PB Ⅲ series.)

Item	Description	Source file format		
		ProPB/ Win	ProPB/ DOS	GOT800
Change text background color	When checked, the rectangle filled with a background color is placed behind the character string. Applicable only when "GOT-A900" format is selected for “Output Type”.  When you mark this checkbox, this square shape is inserted underneath. For GOT1000 series, a background color can be converted regardless of this setting item.	○	○	×
Convert Base Screen into Parts.	When checked, the base screen in the conversion source file is converted into a base screen and parts. In this case, only the graphic data placed on the base screen of the conversion source file are converted into parts. When not checked, it is converted into the base screen only.	○	×	×
The target base screen of the L tag settings is converted to parts.	When converting the L tag into parts display, set the part type. When checked, it is set to parts. When not checked, it is set to the base screen. This option setting is available when "Convert Base Screen into Parts." shown above is check-marked.	○	×	×
Convert the password.	When checked, the password for conversion source file is converted into the password for [Data Transmission/Utility].	×	×	○
Primary Log Alarm	Select the log alarm to be converted. Log alarm that is not selected is not converted.	○	○	×
Output type	When converting it into "GOT1000 Binary Files (*.G1)", select GOT1000 type. When converting it into "GT Designer Files (A9GOTP.GOT)", select GOT-A900 type.	○	○	○

○: Applicable, ×: Not applicable

5.4 Checking Conversion Result

Referring to the conversion logs (☞ Section 5.4.1 Conversion log list Conversion log list), check the conversion results.
The conversion logs are displayed on the screen at the time of conversion and saved in a text file.



Item	Description
Log source	Displays the conversion source. (☞ 1 Log source list in this section)
Conversion result	OK : Indicates conversion has been done properly. Warning : Indicates there is a warning. Error : Indicate failure in conversion. Info : Indicates information other than the above.
Log code	Displays the log code.
Message	Displays the conversion source objects (☞ 2 Conversion source object list in this section)and messages (☞ Section 5.4.1 Conversion log list Conversion log list). Conversion source objects are displayed only when a diagram, tag, or part has been converted.
OK button	Returns it to the project data screen. (☞ Section5.2 3 Opening the conversion source file displays the project information screen.)
Cancel button	Stops current conversion.

Point

(1) The Conversion Log Text File
Do not open the conversion log text file during conversion.
If it is open, logs cannot be saved in the text file.

Remark

The folder in which conversion logs are saved and the file name

The conversion logs are saved into the same file specified in the output directory.

☞ Section 5.3.1 Output directory setting Output directory setting

The conversion logs file name is almost the same as the conversion source file name except that the extension is changed to ".txt".
Example: "AssemblyLine.prw" ⟶ (Conversion) ⟶ "AssemblyLine.txt"

1 Log source list

The log source list is shown below.

Display	Conversion source
B_<Number>	Base Screen
U_<Number>	Window Screen
K_<Number>	Keyboard Screen
T_<Number>	Line Graph Screen
I_<Number>	Image Screen
X_<Number>	Text Screen
O_<Number>	Sound
A_<Number>	Alarm Summary
Q_<Number>	Log Alarm
W_<Number>	Text Table
F_<Number>	Filing Data
-----	Others

2 Conversion source object list

The conversion source object list is shown below.

Display	Conversion source
Line, poly-line, rectangle, circle, oval, pie, fill, polygon, tick mark, string, dot, bitmap	Graphic types are displayed when figures have been converted.
Other than the above	Tag IDs or part IDs which are the same as those displayed on the GP-PRO/PBⅢ series' editing screen are displayed.

5.4.1 Conversion log list

The following table lists conversion logs and corresponding corrective actions.

Log code	Message	Conversion result	Corrective action
1000	File converting.	Info	---
1001	Conversion completed.	Info	---
1002	Conversion Interrupted.	Error	Do not press the Cancel button during conversion.
1003	Conversion failed.	Error	Correct the error occurred before this error.
1004	Error(<Exception code>).	Error	After the conversion, modify the error screen with GT Designer 2.
1005	G1 file created.	OK	---
1006	G1 file creation error.	Error	Perform the following before conversion. • Exit the other running applications. • When using WindowsNT® Workstation4.0, Windows® 2000 Professional, Windows® XP, or Windows Vista®, perform conversion as a user specified in the Administrator authority (a PC administrator). • Change the output target. • Restart Microsoft® Windows®.
1007	File reading error.	Error	Perform the following before conversion. • Exit the other running applications. • When using WindowsNT® Workstation4.0, Windows® 2000 Professional, Windows® XP, or Windows Vista®, perform conversion as a user specified in the Administrator authority (a PC administrator). • Change the output target. • Restart Microsoft® Windows®.
1008	Failed to create temporary directory.	Error	Perform the following before conversion. • Restart GT Converter2. • Exit the other running applications. • When using WindowsNT® Workstation4.0, Windows® 2000 Professional, Windows® XP, or Windows Vista®, perform conversion as a user specified in the Administrator authority (a PC administrator). • Change the output target. • Restart Microsoft® Windows®.
2000	Create "<path>".	OK	---
2001	Unable to create "<path>".	Error	Correct the error occurred before this error.
2002	Device conversion error.	Warning	After the conversion, set the device of the error object again with GT Designer2.
2003	LS Area conversion error.	Warning	After the conversion, set the device of the error object again with GT Designer2.
2004	Maximum data number exceeded.	Error	Correct the error data with the screen editor software before conversion.
2005	Data code error.	Error	Manually perform conversion with GT Designer2 after the conversion.
2006	Log Alarms cannot be converted due to option settings.	Warning	Manually set the unconverted log alarm with GT Designer2 after the conversion.
2007	Maximum character string exceeded.	Warning	Modify the characters using screen editor software before conversion so that the number of characters will be the maximum or less.
2008	Data conversion completed.	OK	---
2009	Data conversion failed.	Error	Correct the error occurred before this error.
2010	No output data.	Warning	No corrective actions are required.

(Continued to next page)

Log code	Message	Conversion result	Corrective action
3000	Display data too large.	Error	Before conversion, set the object in a proper position using screen editor software.
3001	The objects not supported.	Error	After the conversion, create a substitute for the error object with GT Designer2. Manually create a substitute object.
3002	Figure (Figure no.) conversion completed.	OK	---
3003	Figure (Figure no.) conversion failed.	Error	Correct the error occurred before this error.
3004	Tag (Tag name) conversion completed.	OK	---
3005	Tag (Tag name) conversion failed.	Error	Correct the error occurred before this error.
3006	Parts (Parts name) conversion completed.	OK	---
3007	Parts (Parts name) conversion failed.	Error	Correct the error occurred before this error.
4000	Data call from CF card not supported.	Error	Before conversion, change the object setting to other than "CF card" using screen editor software.
4001	Unable to convert indirect devices.	Error	Before conversion, change the warning settings of the object to "direct specification" using the screen editor software.
4002	Indirect color specification is not supported.	Warning	Before conversion, change the color settings of the object to "direct specification" using the screen editor software.
4003	Signed MSB not supported.	Error	Before conversion, change the input code of the object to other than MSB code using the screen editor software.
4004	Unable to convert color blocks.	Error	Before conversion, cancel the color block setting of the object using the screen editor software.
4005	Unable to convert slanted tags.	Error	Before conversion, set the tag angle to 0 degrees using the screen editor software.
4006	Data compressed.	Error	Before conversion, decompress the data using the screen editor software.
4007	Maximum points limit exceeded.	Warning	Before conversion, reduce the number of figures' points to 1,000 or less using the screen editor software.
4008	Data error.	Error	After the conversion, create a substitute for the error object with GT Designer2.
4009	Conversion of text screen number failed.	Warning	Change the total number of lines on the text screen to 12,000 or less.
4010	Maximum line spacing limit exceeded.	Warning	After the conversion, change the position of the character string with GT Designer2.
4011	Unable to convert arrow attributes.	Warning	After the conversion, draw an arrow using lines with GT Designer2.
4012	Unable to convert BMP image in parts.	Error	After the conversion, register the BMP image as a part with GT Designer2.
5000	Syntax error.	Error	Before conversion, correct the script syntax error with the screen editor software.
5001	Unable to convert script trigger.	Error	After the conversion, manually set the trigger with GT Designer2.
5002	Unable to convert script.	Error	Before conversion, remove the command that is not supported by GT Converter2 using the screen editor software.
5003	Unsupported special relay is converted to GD device.	Warning	After the conversion, set the GD device to an appropriate device with GT Designer2.

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	(Conversion time <# of seconds> sec.)	Info	---
-	> Initialized a result display file	Info	---
-	> 2 or more alarm history sprites cannot be placed on the same screen	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	XXX An error occurred while reading a PRO file XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Running out of free space on the disk XXX	Info	
-	XXX An error occurred while generating a package information file XXX	Info	
-	XXX An error occurred while creating a project index XXX	Info	
-	XXX An error occurred while creating a screen index XXX	Info	
-	XXX Unable to write data to a result display file XXX	Info	
-	XXX Initialization processing failed XXX	Info	
-	XXX An error occurred while generating an all screen common file XXX	Info	
-	XXX An error occurred while converting screens irrelevant to drawing XXX	Info	
-	XXX Unable to open a conversion termination file XXX	Info	
-	XXX Unable to write the flag to a conversion termination file XXX	Info	
-	XXX Failed to write data to a conversion termination file XXX	Info	
-	> Activating functional part A (funcA_main.exe 5.60.00	Info	---
-	=== Sprite data will be converted	Info	---
-	=== Sprite figure data will be converted	Info	---
-	=== Screen index will be created	Info	---
-	=== Figure data will be converted	Info	---
-	### Project/index creation phase	Info	---
-	### Package information file creation phase	Info	---
-	### All screen common setting file creation phase	Info	---
-	### Drawing-unrelated screen conversion phase	Info	---
-	### Drawing-related screen conversion phase	Info	---
-	### Temporary file merging phase	Info	---
-	### PRO file reading phase	Info	---
-	### Initialization processing	Info	---
-	B Screen No. <Screen No.> Conversion initiation	Info	---
-	B Screen No. <Screen No.> Conversion termination	Info	---
-	Tag: Convert A-tag into Alarm List/User Alarm	Info	---
-	Tag: Convert C-tag into Time Display	Info	---

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	Tag: Convert K-tag into Numerical Input	Info	---
-	Tag: Convert N-tag into Numerical Display	Info	---
-	Tag: Convert Q-tag into Alarm History	Info	---
-	Tag: Convert a-tag into Alarm List/User Alarm	Info	---
-	Failed to convert devices	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	Failed to open the file.	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	Failed to get the file size.	Info	
-	Unable to secure the memory	Info	
-	Set Overlay Screen <Layer name> Layer <Hierarchy No.> th	Info	---
-	Current time (hh/mm/ss) <Time>	Info	---
-	Object: Transform Circle	Info	---
-	Object: Transform Square/Rectangle	Info	---
-	Object: Transform Pie (change into Line and Arc)	Info	---
-	Object: Transform Oval	Info	---
-	Object: Transform Line	Info	---
-	Object: Filled objects are not targeted for conversion	Info	---
-	Object: Transform Filled Polygon (convert into Polygon)	Info	---
-	Object: Transform Text	Info	---
-	Object: Transform Scale (convert into multiple lines)	Info	---
-	All or part of a figure is set outside of the screen	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	Success	Info	---
-	Date (mm/dd/yy) <Date>	Info	---
-	Part: Transform Lamp	Info	---
-	Part: Transform Numeric Display	Info	---
-	Part: Transform Date	Info	---
-	Converted file size = <size> byte	Info	---
-	The tag is not targeted for conversion (<coordinate>,<coordinate> - <coordinate>,<coordinate>)	Info	---
-	The part is not targeted for conversion (<coordinate>,<coordinate> - <coordinate>,<coordinate>)	Info	---
-	=== Alarm history data will be registered	Info	---
-	=== Sprite information with memory save will be registered	Info	---
-	<File name> Unable to open the file	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	(Conversion time <# of seconds> sec.)	Info	---
-	*** Conversion of SW1 version is not supported	Info	Before conversion, convert the project data to the GOT800 format with SW3NIW-A8GOTP.

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	*** Getting file information...	Info	---
-	> Converting into M0 device	Info	---
-	> Exceeded the maximum number of characters (12) used for a file name	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	> Detected Z device set for bit specification of word.	Info	---
-	> Exceeded the maximum number of characters (32) used for a screen title	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	> Initialized a result display file	Info	---
-	A8GOTP,got Conversion initiation	Info	---
-	A8GOTP.got Conversion termination	Info	---
-	Conversion of A8GOTP.got is not performed	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	Comment.a8 Conversion initiation	Info	---
-	Comment.a8 Conversion termination	Info	---
-	Hqfont.a8 Conversion initiation	Info	---
-	Hqfont.a8 Conversion termination	Info	---
-	Conversion of Hqfont.a8 is not performed	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	Conversion of PACKAGE.A8 is not performed	Info	
-	Package.a8 Conversion initiation	Info	---
-	Package.a8 Conversion termination	Info	---
-	Conversion of Parts.a8 is not performed	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	Parts.a8 Conversion initiation	Info	---
-	Parts.a8 Conversion termination	Info	---
-	Warning!! Excess of device types	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	Warning!! Appropriate color data cannot be found	Info	
-	XXX <File name> Unable to open the file XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Failed to write data to PACKAGE.A9 file XXX	Info	
-	XXX PLC Type is different XXX	Info	Before conversion, change the PLC type to one that is supported by GT Converter2 with the screen editor software.
-	XXX Conversion of this sprite is not performed XXX	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	XXX Running out of free space on the disk XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Reaffirm Device No. XXX	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	XXX Failed to write into the buffer XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Unable to open the file XXX	Info	
-	XXX Failed to open the file XXX	Info	
-	XXX Failed to create a project index XXX	Info	
-	XXX Insufficient memory XXX	Info	

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	XXX Failed to secure the work area XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Unable to write data to a result display file XXX	Info	
-	XXX Failed to get row information XXX	Info	
-	XXX Failure XXX	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	XXX Failure XXX (<coordinate>,<coordinate> - <coordinate>,<coordinate>)	Info	
-	XXX Initialization processing failed XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Detected an improperly set device XXX	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	XXX Unable to open a conversion termination file XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Unable to write the flag to a conversion termination file XXX	Info	
-	XXX Failed to write data to a conversion termination file XXX	Info	
-	XXX Unable to write into a save destination XXX	Info	
-	XXX Failed to get column information XXX	Info	
-	XXX Failed to secure continuous device index table XXX	Info	
-	xxx Failed to convert GOT Type xxx	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	xxx Failed to write data to Hqfont.a9 file xxx	Info	
-	xxx Failed to convert PLC Type xxx	Info	
-	xxx Failed to merge TMP files xxx	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	xxx Failed to convert other items xxx	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	xxx Failed to register alarm history data xxx	Info	
-	xxx Failed to convert system information xxx	Info	
-	xxx Failed to convert sprite figure data xxx	Info	
-	xxx Failed to convert device data xxx	Info	
-	xxx Failed to convert device setting array xxx	Info	
-	xxx Failed to convert hard copy setting xxx	Info	
-	xxx Failed to convert bar code xxx	Info	
-	xxx Password conversion failed xxx	Info	
-	xxx Failed to convert package information xxx	Info	
-	xxx Failed to merge files xxx	Info	
-	xxx Failed to convert headers xxx	Info	

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	xxx Failed to register sprite information with memory save xxx	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	xxx Failed to register monitor setting data xxx	Info	
-	xxx Failed to convert report common setting data xxx	Info	
-	xxx Failed to convert logging data xxx	Info	
-	xxx Failed to convert print data xxx	Info	
-	xxx Failed to convert print format xxx	Info	
-	xxx Failed to convert screen/station No. switching xxx	Info	
-	xxx Failed to convert screen common setting xxx	Info	
-	xxx Failed to convert Detail Comment xxx	Info	
-	xxx Failed to convert status observation xxx	Info	
-	xxx Failed to convert figure/script data xxx	Info	
-	xxx Failed to convert headers of all screen common setting file xxx	Info	
-	xxx Failed to convert operation panel xxx	Info	
-	xxx Failed to convert parts data xxx	Info	
-	> Activating functional part B	Info	---
-	> All conversion processing is completed	Info	---
-	=== GOT Type will be converted	Info	---
-	=== PLC Type will be converted	Info	---
-	=== TMP fill will be merged	Info	---
-	=== Other items will be converted	Info	---
-	=== System information will be converted	Info	---
-	=== Sprite figure data will be converted	Info	---
-	=== Device data will be converted	Info	---
-	=== Device setting array will be converted	Info	---
-	=== Hard copy setting will be converted	Info	---
-	=== Bar code will be converted	Info	---
-	=== Password will be converted	Info	---
-	=== Package information will be converted	Info	---
-	=== Header will be converted	Info	---
-	=== Monitor setting data will be registered	Info	---
-	=== Report common setting data will be converted	Info	---
-	=== Logging data will be converted	Info	---
-	=== Print data will be converted	Info	---
-	=== Print format will be converted (dummy)	Info	---
-	=== Screen/Station No. Switching will be converted	Info	---

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	=== Screen common items will be converted	Info	---
-	=== Detailed comment will be converted	Info	---
-	=== Status observation will be converted	Info	---
-	=== Figure/sprite data will be converted	Info	---
-	=== Header of an all screen common setting file will be converted	Info	---
-	=== Operation panel will be converted	Info	---
-	=== Parts data will be converted	Info	---
-	!!! No password conversion due to the conversion options	Info	For converting the password, check [Convert Password.] in the conversion option setting. (☞ Section 5.3.2 Conversion option settings)
-	### Project index table creation	Info	---
-	### Package information file conversion	Info	---
-	### Base/window file conversion	Info	---
-	### Report setting file conversion	Info	---
-	### All screen common setting file conversion	Info	---
-	### Comment file conversion	Info	---
-	### HQ text file conversion	Info	---
-	### Part file conversion	Info	---
-	### Initialization processing	Info	---
-	There is no data in the offset TMP file	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	The size is changed back to the default.	Info	---
-	Sprite code error	Info	Before conversion, remove the commands that are not supported by GT Converter2 with the screen editor software.
-	File of default setting will be created.	Info	---
-	Failed to secure the buffer	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	Failed to write to the buffer	Info	
-	Unable to open the file	Info	
-	Failed to open the file.	Info	
-	Failed to write the file.	Info	
-	Failed to write data to the file	Info	
-	Failed to open the file	Info	
-	The file size is 0	Info	
-	Unable to get the file size	Info	

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	Failed to get the file size	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	Short of memory.	Info	
-	Insufficient memory	Info	
-	Changed report format into logging page break.	Info	---
-	Converted a basic object into a Library item Coordinates (<coordinate>,<coordinate> - <coordinate>,<coordinate>)	Info	---
-	Current time (hh/mm/ss) <Time>	Info	---
-	Object: Convert Grouped Information	Info	---
-	Object: Transform Bitmap	Info	---
-	Object: Transform Circle/Oval	Info	---
-	Object: Transform Arc/Elliptic Arc	Info	---
-	Object: Transform Pie	Info	---
-	Object: Transform Polygon	Info	---
-	Object: Transform Rectangle	Info	---
-	Object: Transform Line	Info	---
-	Object: Transform Fill	Info	---
-	Object: Transform Text	Info	---
-	Object: Transform Continuous Straight Line	Info	---
-	Figure code error	Info	Before conversion, remove the figures that are not supported by GT Converter2 with the screen editor software.
-	Success	Info	---
-	Date (mm/dd/yy) <Date>	Info	---
-	Character string is not set	Info	After the conversion, correct the error in the data shown in the message with GT Designer2.
-	Converted file size = <size> byte	Info	---
-	Original file size = <size> byte	Info	---
-	Sprite: Convert Ascii Input	Info	---
-	Sprite: Convert Ascii Display	Info	---
-	Sprite: Convert Alarm History	Info	---
-	Sprite: Convert Comment Display	Info	---
-	Sprite: Convert System Alarm	Info	---
-	Sprite: Convert touch key settings	Info	---
-	Sprite: Convert Data List	Info	---
-	Sprite: Convert Trend Graph	Info	---
-	Sprite: Convert Panelmeter	Info	---
-	Sprite: Convert User Alarm List	Info	---
-	Sprite: Convert Lamp	Info	---
-	Sprite: Convert Level	Info	---
-	Sprite: Convert Time Display	Info	---
-	Sprite: Convert Numeric Input	Info	---
-	Sprite: Convert Numeric Display	Info	---

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	Sprite: Convert Line Graph	Info	---
-	Sprite: Convert Part Movement	Info	---
-	Sprite: Convert Part Display	Info	---
-	Sprite: Convert Bar Graph	Info	---

5.5 Exiting GT Converter2

Exit GT Converter2.

1 Either of the following operations exits GT Converter2.

- Select the [Project] → [Exit] from the menu.
- Click  on the title bar.

APPENDICES

Appendix 1 Conversion Specifications for GOT800 Series

This section explains the conversion specifications of project data for the GOT800 series.

Point

(1) Precautions for data conversion
GT Converter2 will not be liable for the damage caused by data conversion, from the existing data to GOT1000 series or GOT-A900 series.
Before downloading converted project data to the GOT, be sure to check GT Designer2 setup and make corrections if necessary.
Note that any function that is not supported by the conversion destination GOT will not be converted.

(2) Converting a file with a name in other than English (Japanese, Chinese or other language)
The file cannot be converted when the file name is in other than English.Change the file name to English before conversion.

(3) Converting a file including character strings in other than English (Japanese, Chinese or other language)
The character strings cannot be converted correctly when the conversion source file includes character strings in other than English.
Change the character strings to English with the drawing software before conversion.

Even the items described convertible in this Appendix may not be convertible depending on project setup. If conversion failed in some items, descriptions of the error items are given in conversion log.

☞ Section 5.4 Checking Conversion Result

Appendix 1.1 Graphics Conversion specification

All graphics convertible.

Appendix 1.2 Conversion specifications for sprites

1 Restrictions

The following describes the restrictions related to the conversion of sprites.

(1) Figures that cannot be changed as attributes for display

When converting the lamp display project data or the touch switch project data, the following basic figures are converted as the library project data.

- LAMP 9
- LAMP 10
- LAMP 11
- LAMP 12
- LAMP 22
- SWITCH 34 ON
- SWITCH 34 OFF
- SWITCH 45 ON
- SWITCH 45 OFF

The project data for figures that are converted as the library data cannot change the attributes for display of GT Designer2 ([Frame], [Lamp], [Switch], [Background], and [Pattern]).

To change attributes for display, change [Figure] for the display style to the basic figures.

2 Conversion specifications

The following indicates the conversion specifications of sprites.

Item	Conversion applicability	Remarks
Numeric Value Display	○	-----
ASCII Display	○	-----
Clock Display	○	-----
Comment Display	○	-----
System Alarm List Display	○	-----
User Alarm List Display	○	-----
Parts Display	○	When setting [XOR] for [Display mode], the settings after conversion are shown below. • GOT1000 [While display mode of part display is XOR, grouped figures are displayed by XOR.] is set for [Auxiliary Setting]. • GOT-A900 [Enable change of XOR display in part display] is set in the GOT800 Compatible Mode dialog box.
Parts Movement	○	-----
Lamp Display	○	-----
Panel Meter Display	○	-----
Level Display	○	-----
Trend Graph Display	○	-----
Line Graph Display	○	-----
Bar Graph Display	○	-----
Touch Key	○	-----

(Continued to next page)

Item	Conversion applicability	Remarks
ASCII Input	○	----
Window display position	○	----
Data List Display	○	----
Alarm History Display	○	----

○ : Convertible, × : Inconvertible

Appendix 2 Conversion Specifications for GP-PRO/PB III Series

This section explains conversion specifications of the GP-PRO/PB III series.
(The conversion specifications in this appendix indicate only those of the main items.)

Point

(1) Precautions for data conversion
GT Converter2 will not be liable for the damage caused by data conversion, from the existing data to GOT1000 series or GOT-A900 series.
Before downloading converted project data to the GOT, be sure to check GT Designer2 setup and make corrections if necessary.
Note that any function that is not supported by the conversion destination GOT will not be converted.

(2) Converting a file with a name in other than English (Japanese, Chinese or other language)
The file cannot be converted when the file name is in other than English.
Change the file name to English before conversion.

(3) Converting a file including character strings in other than English (Japanese, Chinese or other language)
The character strings cannot be converted correctly when the conversion source file includes character strings in other than English.
Change the character strings to English with the drawing software before conversion.

The same conversion specifications of GT Converter2 are applied to all versions of the GP-PRO/PB III series.
Therefore, all the GP-PRO/PB III series versions can be used.

Even the items described convertible in this Appendix may not be convertible depending on project setup.
If conversion failed in some items, descriptions of the error items are given in conversion log.

☞ Section 5.4 Checking Conversion Result

Appendix 2.1 Conversion specifications of project data

1 Restrictions of project data

The following describes the restrictions related to project data conversion.

(a) Setting items related to a memory card are inconvertible.

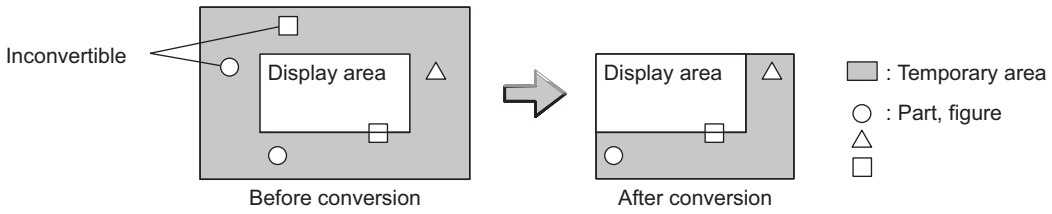
(b) When the device has been assigned to the control address of a text table, only the device in GOT1000 format is converted into a Language Switch device.
The device in GOT-A900 format is inconvertible.

(c) When "The target base screen of the L tag settings is converted to parts" is selected on Option, the graphic data on the base screen read by the L-tag is converted into parts.

☞ Section 5.3.2 Conversion option settings

(d) Mark screens are inconvertible. Since parts of GT Designer2 function as same as Mark screen, recreate the Mark screens with GT Designer2 parts after conversion.

(e) Part and figure that are sticking out of the upper/left sides of the display area are inconvertible. Before conversion, check that parts and figures are not stuck out.



2 Conversion specifications of GP system setting

(1) Restrictions

The initial screen number of the initial screen settings is not convertible.

Hint! How to convert screen setup and screen number

To convert screen numbers on GOT, set a script or a ladder program to open the screen having the same number as the initial screen number at a GOT startup.

(1)Setting example of opening the initial screen (screen No. 2) at a GOT startup using a script

GT Designer2 setting

- Base screen switch device GD100

Script setting example

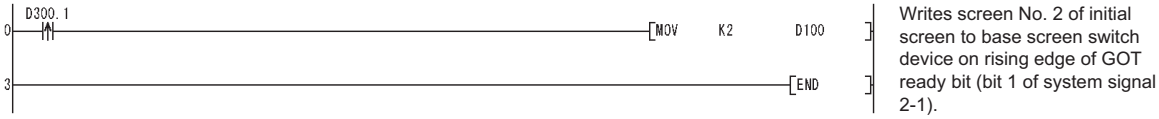
Item	Description	
Data range	Unsigned BIN16	
Trigger type	Rise	
Trigger device	GS0.b4	
Script	[w:GD100] = 2;	//Writes screen No. 2 of initial screen //to base screen switching device.

(2)Program example for opening the initial screen (screen No. 2) at a GOT startup using a ladder program

GT Designer2 setting

- Base screen switching device D100
- System signal 2-1 D300

Program example



3 Conversion specifications of alarm data

(1) Restrictions

The following describes the restrictions related to alarm data conversion.

(a) In the Bit Log Alarm setting and Word Log Alarm setting, only the log alarm selected for conversion is converted.

☞ Section 5.3.2 Conversion option settings

(b) The background color of a text is not converted.
Therefore the text appears without background color.

(c) Comment numbers are not shifted up at the time of conversion.
The positions having no numbers before conversion have no numbers after conversion.

(2) Conversion specifications of alarm data

The following indicates the conversion specifications of alarm data.

Alarm data item	Conversion applicability	Conversion destination *1	Remarks
Alarm Message	○	Basic Comment, Comment Group/Advanced Alarm Popup Display	Refer to the following for the conversion destination comment No. ☞ Appendix 2.1 7 Basic comment and comment group conversion
Alarm Summary setting	○	Basic Comment, Comment Group	
Bit Log Alarm setting	○	Basic Comment/Common Settings (Alarm History)	
Word Log Alarm setting	○	Basic Comment/Common Settings (Alarm History)	

○ : Convertible, × : Inconvertible

*1 Advanced Alarm Popup Display and Comment Group are convertible for GOT1000 series only.

4 Conversion specifications of filing setting

(1) Restrictions

The setting items related to a memory card are inconvertible.

5 Conversion specifications of text tables

(1) Restrictions

The following describes the restrictions related to text table conversion.

(a) When text tables are converted into GOT1000 format, the text tables No. 1 to 10 will be converted into basic comment and comment group, and text tables No. 11 and later will not be converted.

(b) When using Language Switch, convert a text table into GOT1000 format, and change the object whose text will be displayed on GT Designer2 into an object compatible with Language Switch, for example, Comment Display, Advanced User Alarm, Advanced System Alarm. Language Switch cannot be executed without correcting the objects.

(c) When a text table is converted into GOT-A900 format, Language Switch will be disabled. Refer to the above (b) for detail.

(d) When text tables are converted into GOT-A900 format, only the text table No. 1 is converted into the basic comment, and the text tables No. 2 and later will not converted.

(e) Up to 512 characters of each text string in a text table will be converted and the 513th characters and later will be deleted.

(f) The background color of a text will not be converted.
After conversion, the text appears without background color.

(g) Comment numbers will not shifted up at the time of conversion.
The positions having no numbers before conversion turns to as they are after conversion.

(2) Conversion specifications of text tables

The following indicates the conversion specifications of text tables.

Text table item	Conversion applicability	Conversion destination	Remarks
Text table setting	○	Basic Comment and Comment Group	Refer to the following for the conversion destination comment No. ☞ Appendix 2.1 7 Basic comment and comment group conversion

○ : Convertible, × : Inconvertible

6 Conversion specifications of screen types

(1) Restrictions

The following describes the restrictions related to screen type conversion.

(a) Up to 12767 lines of strings on text screens are converted in order of screen numbers. The 12768th lines and later will not be converted.

(b) The background color of a text on a text screen is inconvertible. After conversion, the text appears without background color.

(c) On a text screen, one line is converted as one comment.

(d) Comment numbers on a text screen will not be shifted up at the time of conversion.

(e) Text screens with multi-language setting are not converted. After conversion, set them as basic comments or comment groups on the GT Designer2.

(2) Conversion specifications of screen types

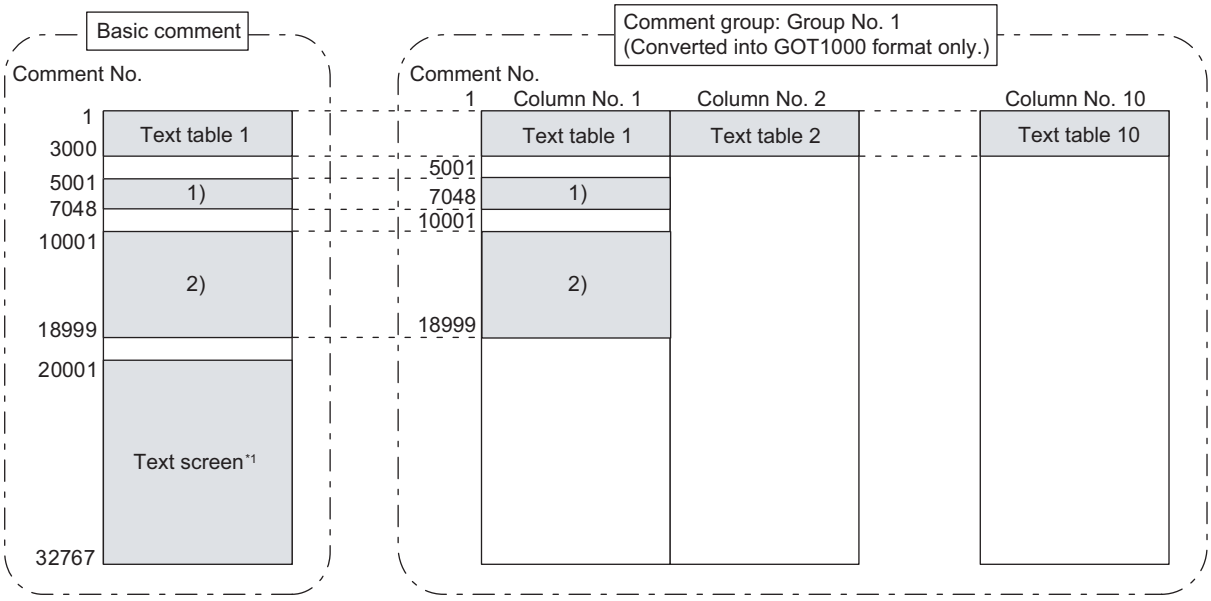
The following indicates the conversion specifications of screen types.

Screen information item	Conversion applicability	Conversion destination	Remarks
Base screen	○	Base screen and parts	The conversion destination changes, depending on the setting on the Conversion setting screen. (☞ Section 5.3.2 Conversion option settings) Base screen No. : 1 to 8999 Parts No. : 1 to 8999
Mark screen	×	----	Mark screens are inconvertible. Since parts of GT Designer2 function as same as Mark screen, recreate the Mark screens with GT Designer2 parts after conversion.
Trend Graph screen	○	Window screen	Window screen No.: 20001 to 28999
Keyboard screen	○	Window screen	Window screen No.: 10001 to 18999
Text screen	○	Basic comment	Refer to the following for the conversion destination comment No. ☞ Appendix 2.1 7 Basic comment and comment group conversion
Image Library screen	○	Parts	Parts No.: 10001 to 18999
Video screen	×	----	----
Window screen	○	Window screen	Window screen No.: 1 to 8999

○ : Convertible, × : Inconvertible

7 Basic comment and comment group conversion

The following shows the structure of alarm data, basic comment and comment group after converting from text table and text screen.



1) Bit/Word Log Alarm setting
2) Alarm Message Display/Alarm Summary setting
*1 The comment numbers of text screen will be shifted up at the time of conversion.

Refer to the following for the restrictions.

Text table . . . . . ☞ Appendix 2.1 5 Conversion specifications of text tables

Bit/Word Log Alarm setting . . . . . ☞ Appendix 2.1 3 Conversion specifications of alarm data

Alarm Message Display/Alarm Summary setting . . . . . ☞ Appendix 2.1 3 Conversion specifications of alarm data

Text screen . . . . . ☞ Appendix 2.1 6 Conversion specifications of screen types

Appendix 2.2 GP type

The following indicates the conversion specifications of the GP types.

Conversion source GP type		Conversion destination GOT type	
Series name	Model name	GOT1000 format	GOT-A900 format
GP2000	GP2500	GT15-V	A97☐GOT
	GP2600	GT15-S	A985GOT
	GP2400	GT15-V	A97☐GOT
	GP2300	GT15-Q	A95☐GOT
	GP2300L		A95☐GOT
	GP2500L	GT15-V	A97☐GOT
	GP2500S		A97☐GOT
	GP2501		A97☐GOT
	GP2401		A97☐GOT
	GP2601	GT15-S	A985GOT
	GP2301S	GT15-Q	A95☐GOT
	GP2301L		A95☐GOT
	GP2501S	GT15-V	A97☐GOT
	GP2301HS	GT15-Q	A95☐GOT
	GP2301HL		A95☐GOT
	GP2401HT	GT15-V	A97☐GOT
GP77R	GP577R		A97☐GOT
	GP477R*1		A960GOT
	GP377R	GT15-Q	A95☐GOT

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*1 When data is converted into GOT1000 format, a prompt appears to confirm screen size change to the 640 × 480 dots GT15-V.

Conversion source GP type		Conversion destination GOT type	
Series name	Model name	GOT1000 format	GOT-A900 format
GP70	GP570	GT15-V	A97 ☐ GOT
	GP470[*1]		A960GOT
	GP270S	GT15-Q	A95 ☐ GOT
	GP370S		A95 ☐ GOT
	GP870VM	GT15-V	A97 ☐ GOT
	GP571T		A97 ☐ GOT
	GPH70S	GT15-Q	A95 ☐ GOT
	GP570L	GT15-V	A97 ☐ GOT
	GP675	GT15-S	A985GOT
	GP570VM	GT15-V	A97 ☐ GOT
	GPH70L	GT15-Q	A95 ☐ GOT
	GP270L		A95 ☐ GOT
	GP370L		A95 ☐ GOT
	GP37WL		A95 ☐ GOT
	GP377S		A95 ☐ GOT
	GP377L		A95 ☐ GOT
	GP37W2		A95 ☐ GOT

(Continued to next page)

*1 When data is converted into GOT1000 format, a prompt appears to confirm screen size change to the 640 × 480 dots GT15-V.

Conversion source GP type		Conversion destination GOT type	
Series name	Model name	GOT1000 format	GOT-A900 format
GP-Web	GP-Web 200×150 *1	GT15-V	A97 □ GOT
	GP-Web 800×150 *1		A97 □ GOT
	GP-Web 200×600 *1		A97 □ GOT
	GP-Web VGA(640×480)		A97 □ GOT
	GP-Web 1024×768	GT15-X	GT SoftGOT2
	GP-Web 200×150 for GLC *1	GT15-V	A97 □ GOT
	GP-Web 800×150 for GLC *1		A97 □ GOT
	GP-Web 200×600 for GLC *1		A97 □ GOT
	GP-Web VGA(640×480) for GLC		A97 □ GOT
	GP-Web 1024×768 for GLC	GT15-X	GT SoftGOT2
GLC	GLC100S	GT15-Q	A95 □ GOT
	GLC100L		A95 □ GOT
	GLC200E *1	GT15-V	A960GOT
	GLC300T		A97 □ GOT
	GLC110T	GT15-Q	A95 □ GOT
	GLC2400	GT15-V	A97 □ GOT
	GLC2600	GT15-S	A985GOT
	GLC2300L	GT15-Q	A95 □ GOT
	GLC2300T		A95 □ GOT
Factory Gateway	Factory Gateway FGW-SE		A95 □ GOT

*1 When data is converted into GOT1000 format, a prompt appears to confirm screen size change to the 640 × 480 dots GT15-V.

Appendix 2.3 PLC type

The following indicates the conversion specifications of the PLC types.
When the conversion source PLC type is inconvertible, the project information screen shows that the PLC type is inconvertible (☞ Section5.2 3 Opening the conversion source file displays the project information screen.) , and then the whole project data will not be converted.

Conversion source PLC type		PLC type after conversion		
Maker	PLC type	GOT1000 format	GOT-A900 format	PLC type
Mitsubishi Electric Corporation	MELSEC-AnA(LINK)	○	○	MELSEC-A
	MELSEC-A(ETHER)	○	○	MELSEC-A
	MELSEC-A(JPCN1)	○	○	MELSEC-A
	MELSEC-AnA(CPU)	○	○	MELSEC-A
	MELSEC-AnN(LINK)	○	○	MELSEC-A
	MELSEC-AnN(CPU)	○	○	MELSEC-A
	MELSEC-QnA(LINK)	○	○	MELSEC-QnA/Q
	MELSEC-Q(ETHER)	○	○	MELSEC-QnA/Q
	MELSEC-QnA(CPU)	○	○	MELSEC-QnA/Q
	MELSEC-Q(CPU)	○	○	MELSEC-QnA/Q
	MELSEC-FX(CPU)	○	○	MELSEC-FX
	MELSEC-F2 Series	×	×	-----
	MELSEC-FX2(LINK)	○	×	MELSEC-FX
	MELSEC NET/10	×	×	-----
	CC-Link Intelligent Device	×	×	-----
	CC-Link type	×	×	-----
	FREQROL Series	×	×	-----
OMRON Corporation	SYSMAC-C Series	○	○	OMRON SYSMAC
	SYSMAC-C 1:n communication	○	×	OMRON SYSMAC
	SYSMAC-CS1 Series	○	×	OMRON SYSMAC
	SYSMAC-CV Series	○	○	OMRON SYSMAC
	THERMAC NEO Series	×	×	-----
	SYSMAC-CS1(ETHER)	×	×	-----
Sharp Corporation	New Satellite JW Series	○	×	SHARP JW
TOSHIBA CORPORATION	PROSEC-T(ETHER)	○	×	TOSHIBA PROSEC T/V Series
	PROSEC-T Series	○	○	TOSHIBA PROSEC T/V Series
	PROSEC-EX2000 Series	×	×	-----

(Continued to next page)

○ : Convertible, × : Inconvertible

Conversion source PLC type		PLC type after conversion		
Maker	PLC type	GOT1000 format	GOT-A900 format	PLC type
Hitachi Industrial Equipment Systems Co., Ltd.	HIDIC H Series	○	×	HITACHI HIDIC H
	HIDIC H2 Series	×	×	----
	HIDIC-S10α Series	×	×	----
	HIDIC-S10α (JPCN1)	×	×	----
	HIZAC-EC Series	×	×	----
Matsushita Electric Works, Ltd.	MEWNET-FP Series	○	×	MATSUSHITA MEWNET-FP
YASKAWA Electric Corporation	MP900/CP9200SH Series	○	×	YASKAWA CP9200SH/ MP900 Series
	Memocon-SC Series	○	×	YASKAWA CP9300MS (MC compatible)
	GL120/130 Series	○	○	YASKAWA GL/PROGIC8
	PROGIC8 Series	○	×	YASKAWA GL/PROGIC8
	MPPanel Series	×	×	----
	Inverter	×	×	----
Yokogawa Electric Corporation	FACTORY ACE 1:1 communication	○	×	Yokogawa Electric FACTORY ACE
	FACTORY ACE 1:n communication	○	×	Yokogawa Electric FACTORY ACE
	FA-M3(ETHER)	×	×	----
Allen-Bradley (Rockwell Automation, Inc.)	ControlLogix DF1	×	×	----
	PLC-5 Series	×	×	----
	SLC500 Series	○	×	AB SLC500
	Data Highway Plus	×	×	----
	Slc500 DH485	×	×	----
	Remoto IO	×	×	----
Siemens AG	S5 90-115 Series	×	×	----
	S5 135-155 Series	×	×	----
	S5 3964(R) protocol	×	×	----
	S7 via 3964/RK512	×	×	----
	S7-200 PPI	×	×	----
	545/555 CPU	×	×	----
	S7-300/400 via MPI	○	×	SIEMENS S7-300/400
	S7-200 via MPI	×	×	----
Digital Electronics Corporation	Memory Link Ethernet type	○	○	Microcomputer
	Memory Link SIO type	○	○	Microcomputer

○ : Convertible, × : Inconvertible

Appendix 2.4 Screen information

1 Restrictions

The following describes the restrictions related to screen information conversion.

(1) Mark screens are inconvertible. Since parts of GT Designer2 function as same as Mark screen, recreate the Mark screens with GT Designer2 parts after conversion.

(2) When Base screens are converted into parts by the setting on the Conversion setting screen (☞ Section 5.3.2 Conversion option settings),only graphic data is converted into parts.

(3) When Image Library screens are converted, only graphic data is converted into parts.

Appendix 2.5 Graphic data

1 Restrictions

The following describes the restrictions related to graphic data conversion.

(1) Blink settings are inconvertible.

(2) The graphic data that extends off the screen edge is inconvertible.

(3) Setup items, which have not been converted, are replaced by default settings of GT Designer2.

2 Conversion specifications

The following indicates the conversion specifications of graphic data.
When any inconvertible items are included in project data, only convertible items are converted.

Graphic data item	Conversion applicability	Conversion destination	Remarks
Dot	○	Rectangle	――
Line / Poly-line	○	Line / Line Freeform	Arrows are converted to lines.
Rectangle	○	Rectangle / Polygon	Rounded rectangles and chamfered rectangles can be converted into those available for GOT1000 series only. For converting rectangles into data available for GOT-A900 series, chamfered rectangles are converted into polygons.
Circle / Oval	○	Circle	――
Arc / Pie	○	Arc / Sector	――
Fill	○	Paint	――
Filled Polygon	○	Polygon	――
Tick mark	○	Scale	Arc scales are inconvertible. Linear scales are convertible.
String	○	Text / Simple Comment	For converting strings to GOT1000 format, if the conversion source is string table reference, horizontal writing and no slant, the strings are converted to Simple Comment. For converting strings to GOT1000 format, if the conversion source does not apply to the conditions above, the strings are converted to text figures.

(Continued to next page)

Graphic data item	Conversion applicability	Conversion destination	Remarks
Load Screen	○	Set Overlay Screen	When the screen to be read is an image screen, it is converted into parts display (display condition: GB40 Rising).
Load Mark	×	----	Mark calls are inconvertible as well as Mark screens.

○ : Convertible, × : Inconvertible

Appendix 2.6 Tag information

1 Restrictions

The following describes the restrictions related to tag information conversion.

(1) Display angle is always converted to 0 degree.

(2) The tag information that extends off the screen edge is inconvertible.

(3) Indirect color setting will be converted to white.

(4) When an input code, which is not supported by the GOT (example: MSB code) is included, the tag information will not be converted.

(5) When the input/display range of a relative display is indirect, it is converted into an object in which data operation has not been set.

(6) When Color change has been set Alarm tag, the tag will be converted without alarm action.

(7) Zero display settings are inconvertible.
On the GOT, data 0 is shown as "0" on a screen.

(8) When Indirect offset devices are set to operation data have been , the operation data will be converted without operation processing.

(9) When Indirect offset devices are set to range values of Alarm/Range, the range values will be converted without Alarm/Range.

(10) Q-tags will be converted into alarm history.
It is not converted into an extended alarm history.

(11) Level-by-level color switch display of Q tags are inconvertible.

2 Conversion specifications

The following indicates the conversion specifications of tag information.
When any inconvertible item is included in project data, only convertible items will be converted.

Tag information item	Conversion applicability	Conversion destination	Remarks
A-tag (Alarm Summary Text Display)	○	Alarm list	-----
a-tag (Alarm Summary Display)	○	Alarm list	-----
C-tag (Time Display)	○	Clock Display	-----
D-tag (Statistical Graph Display)	○	Statistics Graph	-----
d-tag (Statistical Data Display)	×	-----	-----
E-tag (Extended N-tag Function)	○	Numerical Display	-----
F-tag (Free Library Display)	×	-----	-----
G-tag (Graph Display)*1	○	Level/Panelmeter	-----
g-tag (Extended G-tag Function)*1	○	Level/Panelmeter	-----
H-tag (Moving Mark Display)	×	-----	-----
J-tag (Moving Mark Display)	×	-----	J-tag is inconvertible as well as Mark screen.
K-tag (Setting Input)*2	○	Numerical/ASCII Input	Not converted when indirect setting is "Device type & address".
k-tag (Key Input)	○	Key code switch	-----
L-tag (Library display)	○	Parts Display	-----
I-tag (Library Status Display)	○	Parts Display	-----
M-tag (Mark Display)	×	-----	M-tag is inconvertible as well as Mark screen.
N-tag (Numeric Display)	○	Numerical Display	-----
n-tag (Alarm Range Display)	×	-----	-----
P-tag (Numeric Display in Pre-designed Format)	○	Numerical Display	Can be converted to GOT1000 format only. Cannot be converted to GOT-A900 format.
Q-tag (Alarm Summary Display)	○	Alarm history	-----
R-tag (Rail Settings)	×	-----	-----
S-tag (String Display)	○	ASCII Display	-----
T-tag (Touch Panel Input)	○	Bit/Word/Key code switch	Not converted when group is specified for action setting. For the conversion specifications of action settings set for Mode/Special, refer to the following. ☞ Appendix 2.6 3 Conversion specifications of action settings set for Mode/Special of T-tag
t-tag (Selector Switch Input)	×	-----	-----
Tih-tag (Inching Function)	×	-----	-----
Tiw-tag (Inching Function)	×	-----	-----
U-tag (Window Display)	×	-----	-----
V-tag (Video Window Display)	×	-----	-----

○ : Convertible, × : Inconvertible

(Continued to next page)

Tag information item	Conversion applicability	Conversion destination	Remarks
v-tag (Extended Video Window Display)	×	-----	-----
W-tag (Write to Device)	○	Status Observation: Screen	Not converted when action setting is bit inversion.
X-tag (Display Text Data)*3	○	Comment Display	-----
Trend Graph Display: Designated Screen	○	Trend Graph	-----
Trend Graph Display: Channel Setting	○	Trend Graph	-----

○ : Convertible, × : Inconvertible

*1 When the relative setting is specified for G-tag and g-tag, the maximum and minmum values in the input range are converted into the upper and lower limits.

*2 Data in the alarm range set for K-tag are converted into data in the display range of the numerical input. Data outside the alarm range are converted into data in the input range of the numerical input.

*3 When a word address of the display start line is set for X-tag, the address is converted into data of a monitor device.

3 Conversion specifications of action settings set for Mode/Special of T-tag

The following describes the conversion specifications of action settings set for Mode/Special of T-tag. When any action setting other than those in the following table is set, the T-tag will not be converted.

Action setting of T-tag	Action setting of key code switch
Up	Move cursor upward
Down	Move cursor downward
OK	Write to the device and move the cursor
Start	Show cursor
Start (Freeze Mode)	Show cursor
Finish	Hide cursor
Ack	Display date/time of selected data
Ack All	Display date/time of all data
Roll Up	Scroll up by one line
Roll Down	Scroll down by one line
Delete	Clear the selected alarm data
Delete All	Clear all alarm data
Clear Recovered Alarm	Clear the selected alarm data
Clear All Recovered Alarms	Clear all alarm data
Back to previous screen	Move to upper-hierarchy

Appendix 2.7 Parts information

1 Restrictions

The following describes the restrictions related to parts information conversion.

(1) Parts information comments are inconvertible.

(2) Change notification bit setting function of the setting value display function is inconvertible.

(3) Grouping function of setting value display function is inconvertible.

(4) Graphic data included in the parts will be converted into graphics.

(5) Name plate characters of switch, lamp and message display are converted as name plate of conversion destination object. (Display position is center.)

2 Conversion specifications

The following indicates the conversion specifications of parts information.
When any inconvertible items are included in project data, only convertible items are converted.

Parts information item	Conversion applicability	Conversion destination	Remarks
Bit switch	○	Bit switch	——
Word switch	○	Data set switch	——
Special function switch	○	Key code switch	——
Toggle switch	○	Bit switch	——
Lamp	○	Lamp display	——
4-State Lamp	×	——	——
Bar Graph*1	○	Bar Graph	——
Pie Graph*1	○	Panelmeter	——
Half Pie Graph*1	○	Panelmeter	——
Tank Graph*1	○	Level display	——
Meter Graph*1	○	Panelmeter	——
Trend Graph	○	Trend Graph	——
Keyboard	○	Key code switch	——
Keypad Input Display*2	○	Numerical/ASCII Input	——
Alarm	○	User alarm	——
File Name Display	×	——	——
Logging Display Device	×	——	——
Data Transfer Display	×	——	——
CSV Display	×	——	——
File Manager Display	×	——	——
Numeric Display	○	Numerical Display	——
Message Display	○	Lamp display	——
Date Display	○	Date display	——
Time Display	○	Time Display	——

○ : Convertible, × : Inconvertible

(Continued to next page)

Parts information item	Conversion applicability	Conversion destination	Remarks
Graphic display	×	-----	-----
Window Display	×	-----	-----

○ : Convertible, × : Inconvertible

*1 When the relative setting is specified for bar graphs, pie graphs, half pie graphs, tank graphs, and meter graphs, the maximum and minmum values in the input range are converted into the upper and lower limits.

*2 Data in the alarm range set for the keypad input display are converted into data in the display range of the numerical input. Data outside the alarm range are converted into data in the input range of the numerical input.

Appendix 2.8 D-Script

1 Restrictions

The following describes the restrictions related to D-Script conversion.

(1) When a script includes any inconvertible items other than a trigger, that script will not be converted.

(2) Trigger expressions, "Detect true (nonzero)" and "Detect false (zero)" will be converted to [Ordinary] of trigger type.

Hint! How to convert functions similar to expressions, true (nonzero) and false (zero)

The script to which the following control statement is added to the head part after being converted to GT Designer2 can be executed under the same condition as D-Script.

• When "Detect true (nonzero)" is used in D-Script

```
if( !<Condition> *1 ){ return; }
```

*1 The above <Condition> is an expression that is considered to be true at the trigger conditions of "Detect true (nonzero)"

• When "Detect false (zero)" is used in D-Script

```
if( <Condition> *2 ){ return; }
```

*2 The above <Condition> is an expression that is considered to be true at the trigger conditions of "Detect false (zero)"

2 Conversion specifications of script settings

The following indicates the conversion specifications of script settings.

Script setting item		Conversion applicability	Conversion destination	Remarks
ID		×	-----	-----
Comment		×	-----	-----
Trigger	Timer, Rise, Fall, Change	○	Trigger type	-----
	Condition	○	Trigger type (Ordinary)	By editing the script on GT Designer2 after conversion, similar functions can be reproduced. 1 Restrictions
Timer setting (1 to 32767)		○	Sampling	-----
Bit address		○	Trigger Device	-----
Trigger		×	-----	-----
Execution		○	Script file	-----
Data range (BIN/BCD)		○	Data format (BIN/BCD/real number)	-----
Bit length (16/32)		○	Data format (16/32)	-----
Code +/- (Present/Absent)		○	Display data format (Present/ Absent)	-----

○ : Convertible, × : Inconvertible

3 Conversion specifications of variables

The following indicates the conversion specifications of variables.

Variable	Conversion applicability	Conversion destination	Remarks
Dec (Decimal)	○	-----	-----
Hex (Hexadecimal)	○	-----	-----
Oct (Octal)	○	-----	-----

○ : Convertible, × : Inconvertible

4 Conversion specifications of addresses

The following indicates the conversion specifications of addresses.

Address	Conversion applicability	Conversion destination	Remarks
Temporary work address	○	Temporary device area	-----
Bit address	○	Bit device	-----
Word address	○	Word device	-----

○ : Convertible, × : Inconvertible

5 Conversion specifications of commands

The following indicates the conversion specifications of commands.

Command	Conversion applicability	Conversion destination	Remarks
Clear Bit - clear	○	rst	----
Toggle Bit - toggle	○	alt	----
Set Bit - set	○	set	----
Memory Copy (memcpy/_memcpy_EX)	○	bmov	----
Memory Set (memset/_memset_EX)	○	fmov	----
Draw: Circle (dsp_circle)	×	d_cycle/ p_cycle	----
Draw: Screen call (b_call)	×	----	----
Draw: Rectangle (dsp_rectangle)	×	d_rectangle/ p_rectangle	----
Draw: Line (dsp_line)	×	d_line	----
Draw: Dot (dsp_dot)	×	p_rectangle	----
Receive (IO_READ/ _IO_READ_EX)	×	----	----
Send (IO_WRITE/ _IO_WRITE_EX)	×	----	----
Wait receive (_IO_READ_WAIT)	×	----	Dedicated to extended SIO script
Set string (_strset)	×	----	Dedicated to extended SIO script
Copy from Data Buffer to LS Area (_dlcopy)	×	----	Dedicated to extended SIO script
Copy from LS Area to Data Buffer (_ldcopy)	×	----	Dedicated to extended SIO script
Conversion from hexadecimal to binary number (_hexasc2bin)	×	----	Dedicated to extended SIO script
Conversion from decimal string to binary number (_decasc2bin)	×	----	Dedicated to extended SIO script
Conversion from binary number to hexadecimal string (_bin2hexasc)	×	----	Dedicated to extended SIO script
Conversion from binary number to decimal string (_bin2decasc)	×	----	Dedicated to extended SIO script
Function for retrieving string length (_strlen)	×	----	Dedicated to extended SIO script
Function for concatenating string (_strcat)	×	----	Dedicated to extended SIO script
Partial string (_strmid)	×	----	Dedicated to extended SIO script
Wait (_wait)	×	----	Dedicated to extended SIO script
Function return (return)	×	----	Dedicated to extended SIO script

○ : Convertible, × : Inconvertible

6 Conversion specifications of comparisons

The following indicates the conversion specifications of comparisons.

Comparison	Conversion applicability	Conversion destination	Remarks
and	○	&&	-----
or	○	||	-----
not	○	!	-----
<	○	<	-----
<=	○	<=	-----
<>	○	!=	-----
>	○	>	-----
>=	○	>=	-----
==	○	==	-----

○ : Convertible, × : Inconvertible

7 Conversion specifications of operators

The following indicates the conversion specifications of operators.

Operator	Conversion applicability	Conversion destination	Remarks
+	○	+	-----
-	○	-	-----
%	○	%	-----
*	○	*	-----
/	○	/	-----
=	○	=	-----
<<	○	<<	-----
>>	○	>>	-----
&	○	&	-----
|	○	|	-----
^	○	^	-----
~	○	~	-----

○ : Convertible, × : Inconvertible

8 Conversion specifications of descriptive expressions

The following indicates the conversion specifications of descriptive expressions.

Descriptive expressions	Conversion applicability	Conversion destination	Remarks

if(Condition)
{
Processing
}
endif
	○	if(Condition)
		{
		Processing;
		}
			----- 	

if(Condition)
{
Processing 1
}
else
{
Processing 2
}
endif
	○	if(Condition)
		{
		Processing 1;
		}
		else
		{
		Processing 2;
		}
			----- 	

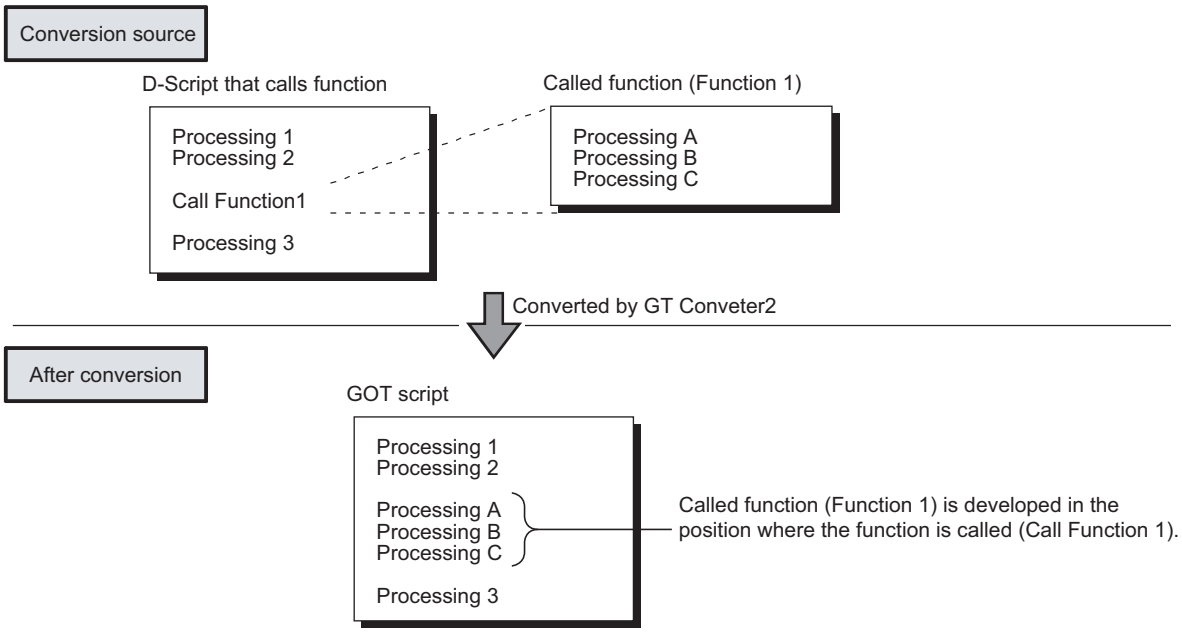
loop(Temporary)
{
Processing
}
endloop
	○	while(Temporary)
		{
		Processing;
		Temporary= Temporary - 1;
		}
			When Write value is set to a device other than Temporary in a loop statement, the loop statement will not be converted.

break	○	break;	-----

○ : Convertible, × : Inconvertible

9 Conversion specifications of functions

A function is developed in the location where it was called.



Appendix 2.9 LS area

The following describes the conversion specifications of LS areas.

1 Restrictions

The following describes the restrictions related to LS area conversion.

(1) Devices from LS0 to LS2031 and LS2096 to LS8191 will be converted into GOT data registers GD of the same device numbers as the LS area addresses. For example, LS4000 is converted to GD4000.
Since the function of LS area will not be replaced by the GOT data register GD, that is user area, reallocate the devices with GT Designer2 if necessary.

(2) When any of devices from LS0 to LS63 is converted into GOT-A900 format, reallocate the device with GT Designer2 since those devices cannot be used.

(3) Since devices from LS0 to LS19, system data area, are converted into GOT data registers GD, that is user area, the functions become unavailable after conversion.

2 Conversion specifications of LS areas

The following indicates the conversion specifications of LS areas.

(1) The LS area described in the D script is also converted like the LS area set to the object.

Conversion source LS area	Conversion destination device	Description	Remarks
LS0 to LS2031	GD0 to GD2031	Internal device	Converted into device having the same number as the LS area address.
LS2032	GS0	Common relay information	☞ Appendix 2.9 3 Conversion specifications of LS2032
LS2033	GS1	Base screen information	☞ Appendix 2.9 4 Conversion specifications of LS2033
LS2035	GS7	1-second binary counter	-----
LS2036	GS8	Tag scan time	-----
LS2038	GS10	Tag scan counter	-----
LS2096 to LS8191	GD2096 to GD8191	Internal device	Converted into device having the same number as the LS area address.
Other LS areas	-----	-----	Converted into the status where no devices have been set.

3 Conversion specifications of LS2032

The following indicates the conversion specifications of LS2032.

Bit	Conversion destination device	Description	Remarks
0	GS0.0	Alternates between ON and OFF every communication cycle.	----
1	GS0.1	Turns ON during the time from screen switching to tag processing completion.	----
2	----	Turns ON only when a communication error occurs.	Converts into the status in which no device has been set.
3	GS0.3	Turns ON while the initial screen is displayed just after startup. Normally kept ON.	----
4	GS0.4	Normally kept ON.	----
5	GS0.5	Normally kept OFF.	----
6	----	Turns ON when the backup SRAM data is cleared.	Converts into the status in which no device has been set.
7	GS14.7	Turns ON when D-Script is used then BCD error occurred.	----
8	GS14.8	Turns ON when D-Script is used then 0 division error occurred.	----
9	----	Writes completion bit address (From filing data to SRAM)	Converts into the status in which no device has been set.
10		Transfer completion bit address	
11		Keeps ON while filing data is being transferred from SRAM to LS area by the file item display.	
12	GS14.12	Turns ON when D-Script is used then a communication error is caused by memcpy() or address offset call. Turns OFF when data reading is completed properly.	----
13 to 15	----	Reserved area	Converts into the status in which no device has been set.

4 Conversion specifications of LS2033

The following indicates the conversion specifications of LS2033.

Bit	Conversion destination device	Description	Remarks
0	GS1.0	Alternates between ON and OFF every communication cycle.	----
1	GS1.1	Turns ON during the status from screen switching to tag processing completion.	----
2 to 15	----	----	Converts into the status in which no device has been set.

Appendix 3 Procedure to Convert GP-PRO/PB III Series Project Data

This section explains the procedure to convert project data created by Digital Electronics Corporation's GP-PRO/PBⅢ series screen editor software into GT Designer2 project data.

<Requirements>
Conversion environment (Screen editor software)
Screen editor software before conversion: GP-PRO/PBⅢ series
Screen editor software after conversion : GT Designer2 Version2

Model
Model before conversion: GP2000 or earlier
Model after conversion : GOT1000 series

<Precautions>
The descriptions regarding the other company information in the procedure are based on our research.
Make sure to validate the data after conversion by the user.
For the tag conversion availability list (separate document), contact your local Mitsubishi representative.

Appendix 3.1 Conversion procedure

	Procedure	Points to be checked (Including precautions and tips for conversion)	Reference
1	Checking the original data		
	• Examine the original data.	• Print the tag list with the GP-PRO/PBⅢ series. (The printed data is used to check the original data and the converted data.) • Project information • System setting • Screen information (Screen hard copy, screen load list, tag list) • Used device list	-
	• Create the list of used tags per screen.	• Use the printed tag list to check if uncorrected items do not exist when the converted data is manually corrected.	-
	• Check the system configuration.	• Check the GP system setting with the GP-PRO/PBⅢ series.	-

Procedure			Points to be checked (Including precautions and tips for conversion)	Reference
2	Converting the data with GT Converter2			
	• Start GT Converter2.			
	• Open the project to be converted.		• The GP-PRO/PBⅢ series project file is *.prw/*.pro.	-
	• Check the project information.		• File name, type, title, PLC type (connected PLC), terminal type (GP model) • Conversion availability: When the data can be converted, execute the conversion. When the data cannot be converted, replace the data manually.	-
	• Select options.	Conversion option	[Convert Base Screen into Parts.] • Option regarding base screens • Check this item when many parts (many screens in the original data) exist, and delete unnecessary screens and others after conversion to simplify the operation. [The target base screen of the L tag settings is converted to parts.] • This item can be checked when [Convert Base Screen into Parts.] is checked. • Check this item when [Convert Base Screen into Parts.] is checked, and delete unnecessary screens and others after conversion to simplify the operation. ========== The following settings are not required for converting the GP2000 project data. ========== [Change text background color] • This item can be selected only when [GOT-A900] is selected for [Output Type]. Check the item at conversion. [Convert the password.] • This item can be selected only when the GOT800 series data is converted into the GOT1000 series data.	-
		[Primary Log Alarm]	• Select the alarm type used in the original data. When both the bit log alarm and the word log alarm are used, convert the alarms separately, and then merge the alarms after conversion.	-
		[Output Type]	• Select the GOT type after conversion.	-
	• Execute the conversion.			

Procedure			Points to be checked (Including precautions and tips for conversion)	Reference
3	Checking the converted data			
	• Check the conversion result.	Conversion result	• When the conversion is completed, the conversion result is displayed. The conversion result data is stored in the conversion destination folder. • For error information and others, refer to the section specified as reference in this manual.	5.4 Checking Conversion Result
		Converted data	• Check that the following files are output with the conversion. • *.TXT: Conversion result • *.g1: Converted screen data (Binary format) • *.g1d: Converted screen data (Binary format) (*: File name of original data)	-
	• When the data is not correctly converted	When the data is correctly converted by correcting the original data before conversion	• When the GP size of the original data is 0, the data may not be converted correctly. This can be improved by saving each screen again with the GP-PRO/PBⅢ series and converting the data. • Grouped tags and parts may not be converted correctly. Cancel the grouping with the GP-PRO/PBⅢ series and convert the data again.	-
		When the data requires to be corrected manually after conversion	• When the screen background color after conversion differs from that before conversion (The color after conversion is the paint color of GT Designer2.) This is because the paint mark of a closed figure on the screen is out of the figure on the screen after conversion. This is also because the figure is not completely closed. Find the point that requires correction with the converted data, and correct the position of the paint mark or correct the figure so that the figure is completely closed. (When the correction point is for a switch figure, register the switch figure in the library, and then make corrections.)	-
	• Others	Precautions	• The initial screen number of the initial screen settings is not converted. The conversion is available by using the script function or a ladder program. (This manual describes the setting example.)	Appendix 2.1 Conversion specifications of project data
			• The device assigned to the control address of a text table is converted into the language switching device when only [GOT1000] is set for [Output Type].	
		Conversion specifications	• Alarm data • Text table • Screen type • Basic comment and comment group	
			• GP type	Appendix 2.2 GP type
			• PLC type	Appendix 2.3 PLC type
			• Screen information	Appendix 2.4 Screen information
			• Graphic data	Appendix 2.5 Graphic data
			• Tag information	Appendix 2.6 Tag information
			• Parts information	Appendix 2.7 Parts information
			• D-Script	Appendix 2.8 D-Script
			• LS area	Appendix 2.9 LS area
			• Overall tags	Tag conversion availability list (Contact your local Mitsubishi representative.)

Procedure			Points to be checked (Including precautions and tips for conversion)	Reference
4	Correcting the data manually			
1)	Open the file (*.g1) with GT Designer2.		With GT Designer2, open the file (*.g1) that is converted with GT Converter2.	-
	Internal system information		Initially, make sure to understand difference in design concepts between the GP and the GOT.	Appendix 3.2 GP2000 system data
2)	Check and set the controller type.			
3)	Check and set the screen switching devices of base screens and window screens.	Base screen	• For the screen switching device, set the PLC address equivalent to the ninth address (Change screen number) starting from the start address of the system data area in the GP2000. • How to check the start address of the system data area With the GP-PRO/PBIII series, select [Screen/Setup] - [GP Setup] - [Mode Settings] from the menu.	-
		Window screen	• For the project with window screens, set the devices that do not affect the project.	-
			• Regarding the design concept, the window control device of a U-tag for the GP differs from the screen switching device of a window screen for the GOT. Make sure to understand the difference. • As with the base screen switching, the GOT displays the window screen with the number that is the same as the value in the the corresponding screen switching device. This function is similar to the indirect specification of the global window for the GP. • For the GP, windows other than the global window are local windows, and the windows are hidden when base screens are switched. For the GOT, all the window screens are considered as the GP global windows. To hide the window screens when base screens are switched, configure the settings, including the script.	Appendix 3.2 GP2000 system data
4)	Configure the communication settings.		• When the PLC type unsupported by the GOT is set, change the PLC type to one supported by the GOT in the original data, and convert the data again. GT Converter2 may not support new PLCs or non-Mitsubishi PLCs. Manually correct the communication settings so that the settings are equivalent to the settings in the original data.	Appendix 2.3 PLC type
5)	Configure the initial screen settings.		• The initial screen number of the initial screen settings is not converted. Display the screen specified by using the script function or a ladder program as the initial screen. (This manual describes the setting example.) <Point> • If the screen switching device stores 0 when the GOT is turned on, the GOT displays the base screen with the minimum screen number among downloaded screens.	Appendix 2.1 Conversion specifications of project data

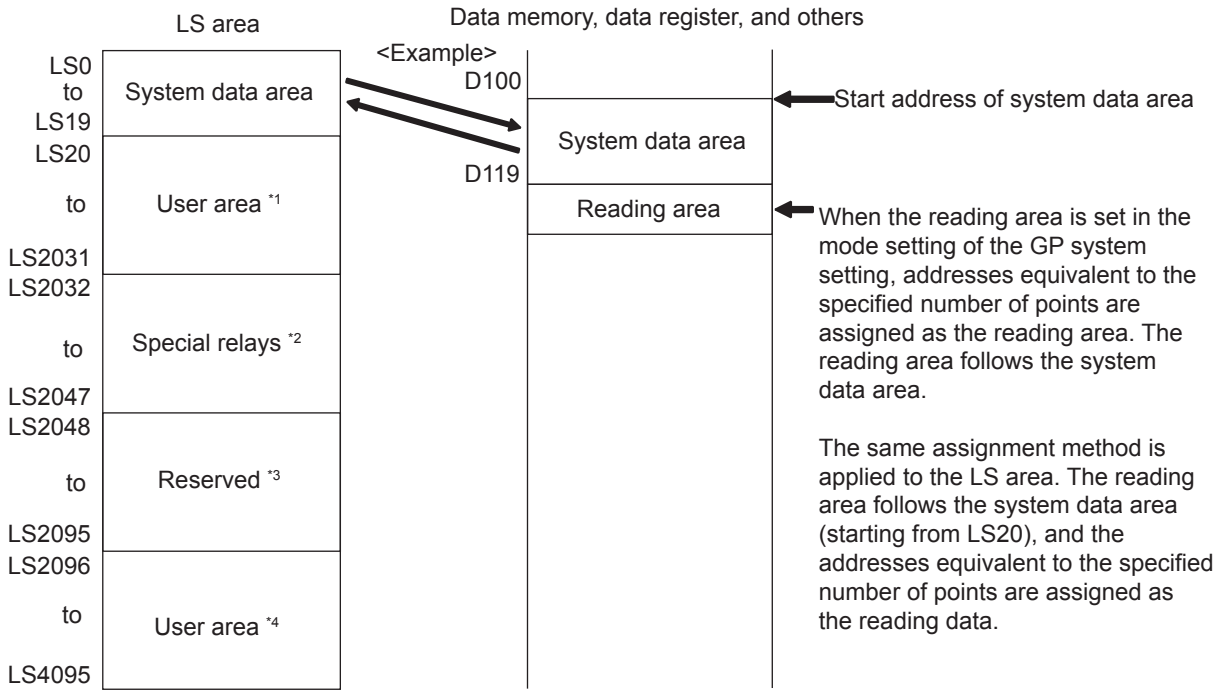
Procedure			Points to be checked (Including precautions and tips for conversion)	Reference
6)	Correct each screen.	Overall	• For the objects with conversion errors, replace the objects manually.	Tag conversion availability list (Contact your local Mitsubishi representative.)
			• For figures of switches and lamps, using basic figures is recommended to correct the figures easier.	-
			• For the items that are not correctly converted, replace the items manually by referring to the conversion tips in the tag conversion availability list. • For the items that are correctly converted, also check if any precautions in the tag conversion availability list are applied.	-
		Screen load	• After conversion, the loaded screen is placed at the upper-left corner (0,0). Reposition the loaded screen at the proper position on the base screen.	-
		Figure blinking	• For the GOT, the figure blinks by using the lamp attribute and setting the Always ON device.	-
		L-tag	• Register the figures for L-tags registered in a base screen as parts, and delete the base screen. • When many parts (many screens in the original data) exist, check [Convert Base Screen into Parts.] and [The target base screen of the L tag settings is converted to parts.], and then delete unnecessary screens and others after conversion to simplify the operation.	-
		K-tag	• The GOT action is equivalent to the GP action with the Auto Clear On setting. • The barcode input per object is unsupported.	-
		X-tag	• X-tag: Set the comment display with GT Designer2.	-
		U-tag	• U-tag: Set the screen switching device of the window screen with GT Designer2.	-
		Overlap of T-tag and L-tag	• The overlap of a T-tag and an L-tag can be replaced with one touch switch.	-
		D-Script	• With GT Desinger2, select [Common] - [Script] from the menu, check [Disable internal device (GD/GB) assignment delay], and set the script data storage destination to [Project Data (Internal Data)].	-
		Screen change level direction	• Since the initial setting of the GP screen switching operation is [Return to Previous Screen], if [Screen Level Change Direction] is not checked in the system settings, set the operation mode of the GOT screen switching to [History].	-
		Paint used for an object figure	• When the paint color is out of the figure, locate the cause (paint mark). When the paint mark is in the hidden area of the screen display area, the paint color is not displayed. To locate the paint mark easily, set the larger display magnification, adjust the screen size so that about a quarter of the viewed screen display area is displayed, and then scroll the screen. • After the object with the painted figure is found, copy the figure to the library, delete the paint by the library editor, and set the figure to the object again. • When the figure is other than switch and lamp figures, set a standard frame figure again.	-
		Local window	• Perform the following operations according to the screen. • Set the project script so that only necessary screens are displayed. • With a go to screen switch, close the window screen.	-
		Text table	• With GT Designer2, select [Common] - [System Environment] from the menu and select [Language Switching]. Check [Alternative Column No. (beyond the device range) (exc 1-10)], and set the column number equivalent to [Default Table Setup] of the GP.	-

Procedure			Points to be checked (Including precautions and tips for conversion)	Reference
7)	• Line printer	Bar-code reader	• Establish a handshake with the PLC, script, and others.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 4.9 Bar-Code Reader Compatibility
		Serial-code reader	• Establish a handshake with the PLC, script, and others.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 4.8 Serial-Code Reader Compatibility
		Screen hard copy print	• Configure the hard copy setting.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 4.7.10 Screen Capture
		Q-tag print (Real time)	• The GOT has no equivalent function.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 2.20.9 GP System Area Q-tag settings
		Q-tag print (Grouping)	• Consider printing the file in the CSV format on the personal computer and other printing methods.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 2.20.9 GP System Area Q-tag settings
		Logging data print (Realtime)	• The GOT has no equivalent function.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 4.3 Logging Function
		Logging data print (Block Unit)	• Consider printing the file in the CSV format on the personal computer and other printing methods. • Consider replacing the function with the report function.	
		CSV data print	• The GOT has no equivalent function.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 4.5.6 Printing CSV Data
	• RAM backup		• The GOT has no equivalent function.	<Digital Electronics Corporation> Tag Reference Manual_gpwtag_m.pdf 4.12 Extended Functions of VM Unit
8)	Correct the size and the appearance of the objects.		-	-
9)	Adjust the touch area according to the object size.		• Correct the touch switch valid area (16-dot unit). * Applied to the models excluding GT16.	-
10)	Save the project.		• The file name must be the same as the file name of the original data.	-

Procedure		Points to be checked (Including precautions and tips for conversion)	Reference
5	Checking the operations		
	• With the GP and the GOT	By using the GP and the GOT, compare operations between the GP and the GOT. • Check that the operations of the objects (including switches and lamps) in the converted data are the same as those in the original data. • Change the device values of the PLC by using the device test function of GX Developer, and check the device operations.	-
	• Without the GP and the GOT	By using GT Simulator2, compare operations between the GP and the GOT. • For the GP, convert the data to the GP3000 data by GP-Pro EX project converter, and check the operations by GP-Pro EX Simulation. • For the GOT, check the operations by GT Simulator2.	-

<System data area>
The GP2000 internal areas are collectively called LS area.
Twenty word addresses starting from the start address in the LS area are the system data area.

The system data area is a defined area that the GP occupies in the PLC memory to execute basic operations, including the screen switching. In the area, a function is predetermined per address. The system data area is a medium for the GP to exchange data with a host. By specifying an address of the PLC memory in [PLC SETUP] of the INITIALIZE menu of the GP, the consecutive addresses starting from the specified address are automatically assigned as the system data area in the PLC.



*1 Area used for the functions that data is not required to be sent to the PLC, including the window display
*2 Area that functions like the GOT special registers. For details, refer to the PLC manual.
*3 Area used for function enhancement
*4 Area added with GP Ver4.0 or later

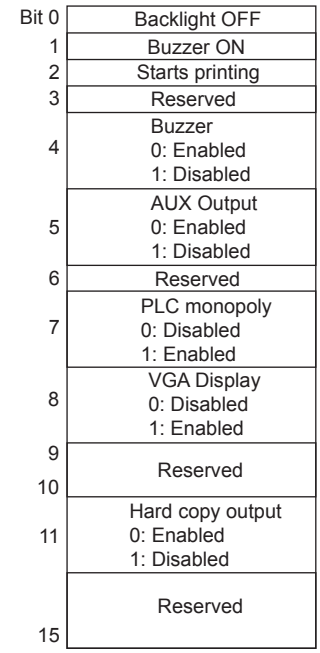
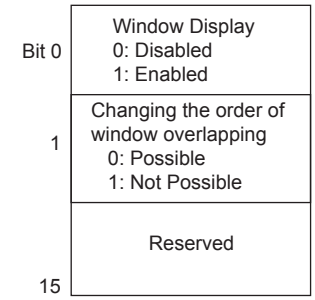
* Though the LS area retains data even though the GP is turned off, the GOT clears the data when the GOT is turned off.

* With GT Converter2, the LS addresses are converted into the GOT data registers. Convert the converted GOT data registers equivalent to the screen switching devices in a batch.

* For the microcomputer connection, the screen switching device set with GT Designer2 is not the PLC address equivalent to the ninth address, starting from the start address of the system data area in the GP2000.

<Contents and range of system data area>
With the GP offline mode, specifying [STARTING ADDRESS OF SYSTEM DATA AREA] in [PLC SETUP] of the INITIALIZE menu automatically prepares the system data area in the PLC.
The following table shows the contents of the system data area.

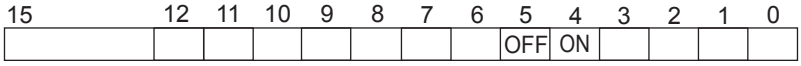
Area	Word address	Description	Bit	Remarks
GP → PLC Exclusive Writing Area	+0	Display Screen Number	1 to 8999 (However, 1 to 1999 when using BCD input)	
	+1	Error Status Each bit changes according to the GP error status. When an error occurs, the corresponding bit turns on. Turning on, off, and then on the power clears the bit.	0, 1	Not used
			2	System ROM/RAM
			3	Memory Checksum
			4	SIO Framing
			5	SIO Parity
			6	SIO Over-run
			7, 8	Not used
			9	Memory requires Initialization.
			10	Timer Clock Error
			11	PLC
			12 to 15	Not used
	+2	Current YEAR BCD 2 digits	Last 2 digits	
	+3	Current MONTH BCD 2 digits	01 to 12 (month)	
	+4	Current DAY BCD 2 digits	01 to 31 (date)	
	+5	Current TIME BCD 4 digits	00 to 23 hr, 00 to 59 min	
	+6	Status	Bits and corresponding bit status Bit 0: PLC monopoly 2: Now Printing 3: Writes a set value Reserved 7: K-tag entry error Reserved 15 * Monitor only the necessary bits in the bit unit. Since reserved bits may be used for the GP system maintenance and others, their ON/OFF status is not defined.	
	+7	Reserved	-	

	Word address	Description	Bit	Remarks
GP → PLC Exclusive Reading Area	+8	Change Screen Number	1 to 8999 (However, 1 to 1999 when using BCD input) <Example> When the start address of the system data area is "D00000", the change screen number is "D00008".	
	+9	Screen Display ON/OFF	FFFFh: Screen clears almost immediately. 0h: Screen turns ON.	
	+10	Current YEAR BCD 2 digits + flag	Last 2 digits (Bit #15 is the clock's data write change flag.)	
	+11	Current MONTH, BCD 2 digits	01 to 12 (month)	
	+12	Current DAY, BCD 2 digits	01 to 31 (date)	
	+13	Current TIME, BCD 4 digits	00 to 23 hr, 00 to 59 min	
	+14	Control * Equivalent to the GOT system information	Bits and corresponding bit status  * Make sure to turn off all reserved bits since they may be used for the GP system maintenance and others.	
	+15	Reserved	Set to 0.	
	+16	Window Control	Bits and corresponding bit status  	
	+17	Window Registration Number	Global Window registration number selected by Indirect setup (BIN or BCD)	
	+18	Window Display Position (X coordinate data)	Global Window display coordinates selected by Indirect setup (BIN or BCD)	
	+19	Window Display Position (Y coordinate data)		

<Special relays>
The following shows the structure of the GP70 series' special relays.

LS2032	Common Relay Information	
LS2033	Base Screen Information	
LS2034	Reserved	
LS2035	1 Second Binary Counter	
LS2036	Tag Scan Time	
LS2037	SIO Cycle Time	
LS2038	Tag Scan Time	
LS2039	SIO Error Code	
LS2040	Max Token Circulation Speed	Used only with n:1 multi-link connection
LS2041	Current Token Circulation Speed	
LS2042 to LS2047	Reserved	

<Common relay information (LS2032)>



Bit	Description
0	Repeatedly turns ON/OFF in a communication cycle.
1	Remains ON after when a screen change (base, window) occurs until the tag scan is complete.
2	ON only in the middle of an SIO error developing.
3	ON when displaying the Initial screen after powering up.
4	Always ON
5	Always OFF
6	Turns ON when backup SRAM data has been deleted. (Only for GP's equipped with backup SRAM)
7	Turns ON if a BCD error occurs while D-Script is being used. For more information about D-Script, refer to the section 3.1 "D script" in the Tag Reference Manual of Digital Electronics Corporation.
8	Turns ON if a zero division error occurs while D-Script is being used.
9	Filing data. Turns ON if the data is not transferred to Backup SRAM.
10	Filing data transfer is triggered by the Control Word Address. Turns ON if the data cannot be transferred from PLC to SRAM. Also data transfer between PLCs is triggered by the Filing Data Display. Turns ON if the data is not transferred from PLC to SRAM only when the transfer complete bit address is used.
11	Filing data. Via transfer data to and from SRAM to LS area, via Filing Data Display.
12	When using D-Script, turns ON if a communication error occurs when the function memcpy () is used, or reading the data from specified Address Offset. Turns OFF when data read is normally completed.
13 to 15	Reserved

<Base screen information (LS2033)>

Bit	Description
0	Repeatedly turns ON/OFF in a communication cycle. Turns ON/OFF in the same cycle as the zeroth bit of LS2032.
1	Remains ON from the base screen change to when the tag scan is complete.
2 to 15	-

Appendix 4 List of functions added by GT Converter2 version update

The following describes functions added by GT Converter2 version update from Version 2.00A to 2.82L.
When using any function in the following table, use GT Converter2 of the specified version or later.

1 Added conversion specifications

Conversion specifications		GT Conversion2 version
Added GOT types convertible (☞ Appendix 2.2 GP type)	GT15-X	2.27D
	GT15-Q	2.43V
Added PLC types convertible (SHARP PLC "New Satellite JW Series" and other PLCs (☞ Appendix 2.3 PLC type))		2.09K
Action settings set for Mode/Special of T-tag		2.09K
	Correspondence to "Back to previous screen"	2.43V
Conversion of the condition set for D-Script trigger to [Ordinary] of trigger type		2.27D
"Change text background color." of the conversion option setting can be supported for GOT-A900 format only		2.43V
Conversion of an alarm message into the Extended Alarm Popup Display		2.43V
Conversion of an alarm message into the Comment Group		2.43V
Conversion of name plate characters of switch, lamp and message display as name plate of conversion destination object		2.43V
Converting rounded rectangles and chamfered rectangles into those available for GOT1000 series only Converting chamfered rectangles into polygons when converting rectangles into data available for GOT-A900 series		2.73B
When the relative setting is specified for G-tag and g-tag, the maximum and minimum values in the input range are converted into the upper and lower limits.		2.73B
Data in the alarm range set for K-tag and the keypad input dislay are converted into data in the display range of the numerical input. Data outside the alarm range are converted into data in the input range of the numerical input.		2.73B
When a word address of the display start line is set for X-tag, the address is converted into data of a monitor device.		2.73B
When the relative setting is specified for certain graphs, the maximum and minmum values in the input range are converted into the upper and lower limits.		2.73B
Applicable to the conversion of GOT 800 series project data with the barcode setting.		2.73B
Applicable to the conversion of GOT 800 series project data with the password setting data.		2.73B
Displaying the conversion logs when converting data created with GP-PRO/PB III (DOS Version) or SW3NIW-A8GOTP		2.77F
Applicable to the conversion of GOT800 series project data that group figures are displayed with the XOR when the display mode of part display is set to the XOR.		2.82L
For the conversion of GOT800 series project data, [Font Control] of [Standard Font] for [System Settings] is set to [Japanese (supporting Europe)].		2.82L

SH(NA)-080533ENG-J

Integrated FA Software

GT Converter2

Version 2

Operating Manual

MODEL	SW2-GTCONV-O-E
MODEL CODE	1D7M27
SH(NA)-080533ENG-J(1209)MEE	

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