MELSOFT

MITSUBISHI ELECTRIC

Engineering Software

GT Converter2 Version3
Operating Manual for GT Works3

-SW1DND-GTWK3-E

SAFETY PRECAUTIONS

(Be sure to read these instructions before using this product.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

The precautions given in this manual are concerned with this product.

In this manual, the safety precautions 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 the ⚠ caution level may lead to a serious accident according to the circumstances.

Make sure to observe both warnings and cautions to ensure personal safety.

Please save this manual to make it accessible when required and always 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 Designer3 and correct them if necessary.
Failure to do so can lead to malfunction.

CAUTIONS FOR USING THIS SOFTWARE

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.

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.

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.

OS setting

Set the font size as "Small Font" when setting OS (Windows®) screen.
The GT Designer3 dialog box cannot be displayed correctly if the font size is set as "Large font".

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INTRODUCTION

Thank you for choosing Mitsubishi Electric Graphic Operation Terminal (GOT).

Before using the product, read this manual carefully and make sure you understand the functions and performance of the GOT for correct use.

☞ Manuals for GT Works3

☞ Abbreviations, Generic Terms, and Model Icons

Manuals for GT Works3

The electronic manuals related to this product are installed together with the screen design software.

If you need the printed manuals, consult your local sales office.

Manuals for GT Designer3 (GOT2000)

> **Point**
>
> e-Manual refers to the Mitsubishi Electric FA electronic book manuals that can be browsed using a dedicated tool.
>
> e-Manual has the following features:
> - Required information can be cross-searched in multiple manuals.
> - Other manuals can be accessed from the links in the manual.
> - Hardware specifications of each part can be found from the product figures.
> - Pages that users often browse can be bookmarked.
> - Sample programs can be copied to the engineering tool.

■Screen design software-related manuals

Manual name	Manual number (Model code)	Format
GT Works3 Installation Instructions	—	PDF
GT Designer3 (GOT2000) Screen Design Manual	SH-081220ENG (1D7ML9)	PDF e-Manual
GT Converter2 Version3 Operating Manual for GT Works3	SH-080862ENG (1D7MB2)	PDF e-Manual
GOT2000 Series MES Interface Function Manual for GT Works3 Version1	SH-081228ENG	PDF e-Manual

■Connection manuals

Manual name	Manual number (Model code)	Format
GOT2000 Series Connection Manual (Mitsubishi Electric Products) For GT Works3 Version1	SH-081197ENG (1D7MJ8)	PDF e-Manual
GOT2000 Series Connection Manual (Non-Mitsubishi Electric Products 1) For GT Works3 Version1	SH-081198ENG	PDF e-Manual
GOT2000 Series Connection Manual (Non-Mitsubishi Electric Products 2) For GT Works3 Version1	SH-081199ENG	PDF e-Manual
GOT2000 Series Connection Manual (Microcomputers, MODBUS/Fieldbus Products, Peripherals) For GT Works3 Version1	SH-081200ENG	PDF e-Manual
GOT2000 Series Handy GOT Connection Manual For GT Works3 Version1	SH-081867ENG (1D7MS9)	PDF e-Manual
GOT2000 Series Connection Manual (α2 Connection) for GT Works3 Version1	JY997D52301	PDF e-Manual

■GT SoftGOT2000 manuals

Manual name	Manual number (Model code)	Format
GT SoftGOT2000 Version1 Operating Manual	SH-081201ENG	PDF e-Manual
MELSOFT GT OPC UA Client Operating Manual	SH-082174ENG	PDF

■GOT2000 series user's manuals

Manual name	Manual number (Model code)	Format
GOT2000 Series User's Manual (Hardware)	SH-081194ENG (1D7MJ5)	PDF e-Manual
GOT2000 Series User's Manual (Utility)	SH-081195ENG (1D7MJ6)	PDF e-Manual
GOT2000 Series User's Manual (Monitor)	SH-081196ENG (1D7MJ7)	PDF e-Manual

■GOT SIMPLE series user's manuals

Manual name	Manual number (Model code)	Format
GOT SIMPLE Series User's Manual	JY997D52901	PDF e-Manual

■Manuals related to GT Works3 add-on projects

Manual name	Manual number (Model code)	Format
GT Works3 Add-on License for GOT2000 Enhanced Drive Control (Servo) Project Data Manual (Fundamentals)	SH-082072ENG (1D7MV1)	PDF e-Manual
GT Works3 Add-on License for GOT2000 Enhanced Drive Control (Servo) Project Data Manual (Screen Details)	SH-082074ENG (1D7MV3)	PDF e-Manual

Manuals for GT Designer3 (GOT1000)

■Screen creation software manuals

Manual Name	Packaging	Manual Number (Model code)
GT Works3 Version1 Installation Procedure Manual	Enclosed in product	-
GT Designer3 Version1 Screen Design Manual (Fundamentals) 1/2, 2/2	Stored in DVD-ROM	SH-080866ENG (1D7MB9)
GT Designer3 Version1 Screen Design Manual (Functions) 1/2, 2/2	Stored in DVD-ROM	SH-080867ENG (1D7MC1)
GT Simulator3 Version1 Operating Manual for GT Works3	Stored in DVD-ROM	SH-080861ENG (1D7MB1)
GT Converter2 Version3 Operating Manual for GT Works3	Stored in DVD-ROM	SH-080862ENG (1D7MB2)

■Connection manuals

Manual Name	Packaging	Manual Number (Model code)
GOT1000 Series Connection Manual (Mitsubishi Products) for GT Works3	Stored in DVD-ROM	SH-080868ENG (1D7MC2)
GOT1000 Series Connection Manual (Non-Mitsubishi Products 1) for GT Works3	Stored in DVD-ROM	SH-080869ENG (1D7MC3)
GOT1000 Series Connection Manual (Non-Mitsubishi Products 2) for GT Works3	Stored in DVD-ROM	SH-080870ENG (1D7MC4)
GOT1000 Series Connection Manual (Microcomputer, MODBUS Products, Peripherals) for GT Works3	Stored in DVD-ROM	SH-080871ENG (1D7MC5)
GOT1000 Series Connection Manual (α2 Connection) for GT Works3	Stored in DVD-ROM	JY997D39201

■Extended and option function manuals

Manual Name	Packaging	Manual Number (Model code)
GOT1000 Series Gateway Functions Manual for GT Works3	Stored in DVD-ROM	SH-080858ENG (1D7MA7)
GOT1000 Series MES Interface Function Manual for GT Works3	Stored in DVD-ROM	SH-080859ENG (1D7MA8)
GOT1000 Series User's Manual (Extended Functions, Option Functions) for GT Works3	Stored in DVD-ROM	SH-080863ENG (1D7MB3)

■GT SoftGOT1000 manuals

Manual Name	Packaging	Manual Number (Model code)
GT SoftGOT1000 Version3 Operating Manual for GT Works3	Stored in DVD-ROM	SH-080860ENG (1D7MA9)

■GT16 manuals

Manual Name	Packaging	Manual Number (Model code)
GT16 User's Manual (Hardware)	Stored in DVD-ROM	SH-080928ENG (1D7MD3)
GT16 User's Manual (Basic Utility)	Stored in DVD-ROM	SH-080929ENG (1D7MD4)
GT16 Handy GOT User's Manual	Stored in DVD-ROM	JY997D41201 JY997D41202 (09R821)

■GT15 manuals

Manual Name	Packaging	Manual Number (Model code)
GT15 User's Manual	Stored in DVD-ROM	SH-080528ENG (1D7M23)

■GT14 manuals

Manual Name	Packaging	Manual Number (Model code)
GT14 User's Manual	Stored in DVD-ROM	JY997D44801 (09R823)

■GT12 manuals

Manual Name	Packaging	Manual Number (Model code)
GT12 User's Manual	Stored in DVD-ROM	SH-080977ENG (1D7ME1)

■GT11 manuals

Manual Name	Packaging	Manual Number (Model code)
GT11 User's Manual	Stored in DVD-ROM	JY997D17501 (09R815)
GT11 Handy GOT User's Manual	Stored in DVD-ROM	JY997D20101 JY997D20102 (09R817)

■GT10 manuals

Manual Name	Packaging	Manual Number (Model code)
GT10 User's Manual	Stored in DVD-ROM	JY997D24701 (09R819)

Abbreviations, Generic Terms, and Model Icons

The following shows the abbreviations, generic terms, and model icons used in this manual.

GOT

■GOT2000 series

Abbreviations and generic terms			Description	Meaning of icon	
				Available	Unavailable
GT27	GT27-X	GT2715-X	GT2715-XTBA, GT2715-XTBD	**GT 27**	GT 27
	GT27-S	GT2712-S	GT2712-STBA, GT2712-STWA, GT2712-STBD, GT2712-STWD		
		GT2710-S	GT2710-STBA, GT2710-STBD		
		GT2708-S	GT2708-STBA, GT2708-STBD		
	GT27-V	GT2710-V	GT2710-VTBA, GT2710-VTWA, GT2710-VTBD, GT2710-VTWD		
		GT2708-V	GT2708-VTBA, GT2708-VTBD		
		GT2705-V	GT2705-VTBD		
GT25			All GT25 models	**GT 25**	GT 25
	GT25-W	GT2512-WX	GT2512-WXTBD, GT2512-WXTSD	**GT 25**	GT 25
		GT2510-WX	GT2510-WXTBD, GT2510-WXTSD		
		GT2507-W	GT2507-WTBD, GT2507-WTSD		
		GT2507T-W	GT2507T-WTSD		
	GT25-S	GT2512-S	GT2512-STBA, GT2512-STBD		
		GT2512F-S	GT2512F-STNA, GT2512F-STND		
	GT25-V	GT2510-V	GT2510-VTBA, GT2510-VTWA, GT2510-VTBD, GT2510-VTWD		
		GT2510F-V	GT2510F-VTNA, GT2510F-VTND		
		GT2508-V	GT2508-VTBA, GT2508-VTWA, GT2508-VTBD, GT2508-VTWD		
		GT2508F-V	GT2508F-VTNA, GT2508F-VTND		
		GT2505-V	GT2505-VTBD		
	GT25HS-V Handy GOT	GT2506HS-V	GT2506HS-VTBD	**GT 2506 HS**	GT 2506 HS
		GT2505HS-V	GT2505HS-VTBD	**GT 2505 HS**	GT 2505 HS
GT23	GT23-V	GT2310-V	GT2310-VTBA, GT2310-VTBD	**GT 23**	GT 23
		GT2308-V	GT2308-VTBA, GT2308-VTBD		

Abbreviations and generic terms			Description	Meaning of icon	
				Available	Unavailable
GT21			All GT21 models	**GT 21**	GT 21
	GT21-W	GT2107-W	GT2107-WTBD, GT2107-WTSD	**GT 21 07W**	GT 21 07W
	GT21-Q	GT2105-Q	GT2105-QTBDS, GT2105-QMBDS	**GT 21 05Q**	GT 21 05Q
	GT21-R	GT2104-R	GT2104-RTBD	**GT 21 04R**	GT 21 04R
	GT21-P	GT2104-P	GT2104-PMBD	**GT 21 03P 04P ET/R4**	GT 21 03P 04P ET/R4
			GT2104-PMBDS	**GT 21 03P 04P R4**	GT 21 03P 04P R4
			GT2104-PMBDS2	**GT 21 03P 04P R2**	GT 21 03P 04P R2
			GT2104-PMBLS	**GT 21 03P 04P R4-5V**	GT 21 03P 04P R4-5V
		GT2103-P	GT2103-PMBD	**GT 21 03P 04P ET/R4**	GT 21 03P 04P ET/R4
			GT2103-PMBDS	**GT 21 04R**	GT 21 04R
			GT2103-PMBDS2	**GT 21 03P 04P R2**	GT 21 03P 04P R2
			GT2103-PMBLS	**GT 21 03P 04P R4-5V**	GT 21 03P 04P R4-5V
GT SoftGOT2000			GT SoftGOT2000 Version1	**Soft GOT 2000**	Soft GOT 2000

■GOT SIMPLE series

Abbreviations and generic terms		Description	Meaning of icon	
			Available	Unavailable
GS21	GS21-W-N	GS2110-WTBD-N GS2107-WTBD-N	**GS**	GS
	GS21-W	GS2110-WTBD GS2107-WTBD		

■GOT1000 series, GOT900 series, and GOT800 series

Abbreviations and generic terms	Description	Meaning of icon	
		Available	Unavailable
GOT1000 Series	GOT1000 Series	—	
GOT900 Series	GOT-A900 Series, GOT-F900 Series	—	
GOT800 Series	GOT-800 Series	—	

Communication unit

■GOT2000 series

Abbreviations and generic terms	Description
Bus connection unit	GT15-QBUS GT15-QBUS2 GT15-ABUS GT15-ABUS2 GT15-75QBUSL GT15-75QBUS2L GT15-75ABUSL GT15-75ABUS2L
Serial communication unit	GT15-RS2-9P GT15-RS4-9S GT15-RS4-TE
MELSECNET/H communication unit	GT15-J71LP23-25 GT15-J71BR13
CC-Link IE TSN communication unit	GT25-J71GN13-T2
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX
CC-Link IE Field Network communication unit	GT15-J71GF13-T2
CC-Link communication unit	GT15-J61BT13
Wireless LAN communication unit	GT25-WLAN
Serial multi-drop connection unit	GT01-RS4-M
Connection conversion adapter	GT10-9PT5S
Field network adapter unit	GT25-FNADP
Ethernet communication unit	GT25-J71E71-100
RS-232/485 signal conversion adapter	GT14-RS2T4-9P

■GOT1000 series

Abbreviations and generic terms	Description
Bus connection unit	GT15-QBUS GT15-QBUS2 GT15-ABUS GT15-ABUS2 GT15-75QBUSL GT15-75QBUS2L GT15-75ABUSL GT15-75ABUS2L
Serial communication unit	GT15-RS2-9P GT15-RS4-9S GT15-RS4-TE
RS-422 conversion unit	GT15-RS2T4-9P GT15-RS2T4-25P
Ethernet communication unit	GT15-J71E71-100
MELSECNET/H communication unit	GT15-J71LP23-25 GT15-J71BR13
MELSECNET/10 communication unit	GT15-75J71LP23-Z[*1] GT15-75J71BR13-Z[*2]
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX
CC-Link IE Field Network communication unit	GT15-J71GF13-T2
CC-Link communication unit	GT15-J61BT13 GT15-75J61BT13-Z[*3]
Interface converter unit	GT15-75IF900
Serial multi-drop connection unit	GT01-RS4-M
Connection Conversion Adapter	GT10-9PT5S
RS-232/485 signal conversion adapter	GT14-RS2T4-9P

*1   A9GT-QJ71LP23 + GT15-75IF900 set
*2   A9GT-QJ71BR13 + GT15-75IF900 set
*3   A8GT-J61BT13 + GT15-75IF900 set

Option unit

■GOT2000 series

Abbreviations and generic terms	Description
Printer unit	GT15-PRN
Video input unit	GT27-V4-Z (A set of GT16M-V4-Z and GT27-IF1000)
RGB input unit	GT27-R2 GT27-R2-Z (A set of GT16M-R2-Z and GT27-IF1000)
Video/RGB input unit	GT27-V4R1-Z (A set of GT16M-V4R1-Z and GT27-IF1000)
RGB output unit	GT27-ROUT GT27-ROUT-Z (A set of GT16M-ROUT-Z and GT27-IF1000)
Digital video output unit	GT27-VHOUT
Multimedia unit	GT27-MMR-Z (A set of GT16M-MMR-Z and GT27-IF1000)
Video signal conversion unit	GT27-IF1000
External I/O unit	GT15-DIO, GT15-DIOR
Sound output unit	GT15-SOUT
SD card unit	GT21-03SDCD

■GOT1000 series

Abbreviations and generic terms		Description
Printer unit		GT15-PRN
Video/RGB unit	Video input unit	GT16M-V4 GT15V-75V4
	RGB input unit	GT16M-R2 GT15V-75R1
	Video/RGB input unit	GT16M-V4R1 GT15V-75V4R1
	RGB output unit	GT16M-ROUT GT15V-75ROUT
Multimedia unit		GT16M-MMR
CF card unit		GT15-CFCD
CF card extension unit[1]		GT15-CFEX-C08SET
External I/O unit		GT15-DIO GT15-DIOR
Sound output unit		GT15-SOUT

*1   GT15-CFEX + GT15-CFEXIF + GT15-C08CF set.

Option

■GOT2000 series

Abbreviations and generic terms	Description
SD card	NZ1MEM-2GBSD NZ1MEM-4GBSD NZ1MEM-8GBSD NZ1MEM-16GBSD L1MEM-2GBSD L1MEM-4GBSD
Battery	GT11-50BAT GT15-BAT
Protective sheet	GT27-15PSGC GT25-12WPSGC GT25-12PSGC GT25-10WPSGC GT25-10PSGC GT25-08PSGC GT21-07WPSGC GT25T-07WPSVC GT25-05PSGC GT25-05PSGC-2 GT21-05PSGC GT21-04RPSGC-UC GT21-03PSGC-UC GT21-04PSGC-UC GT27-15PSCC GT25-12WPSCC GT25-12PSCC GT25-10WPSCC GT25-10PSCC GT25-08PSCC GT25-05PSCC GT25-05PSCC-2 GT25-12PSCC-UC GT25-10PSCC-UC GT25-08PSCC-UC GT21-07WPSCC GT21-05PSCC GT21-04RPSCC-UC GT21-04PSCC-UC GT21-03PSCC-UC GT16H-60PSC GT14H-50PSC
Antibacterial/antiviral protective sheet	GT25-12PSAC GT25-10PSAC GT25-08PSAC
Environmental protection sheet	GT25F-12ESGS GT25F-10ESGS GT25F-08ESGS
Protective cover for oil	GT20-15PCO GT20-12PCO GT20-10PCO GT20-08PCO GT21-12WPCO GT21-10WPCO GT21-07WPCO GT25T-07WPCO GT25-05PCO GT25-05PCO-2 GT05-50PCO GT21-04RPCO GT10-30PCO GT10-20PCO
USB environmental protection cover	GT25-UCOV GT25-05UCOV GT21-WUCOV

Abbreviations and generic terms	Description
Stand	GT15-90STAND GT15-80STAND GT15-70STAND GT05-50STAND GT25-10WSTAND GT21-07WSTAND GT25T-07WSTAND
Attachment	GT15-70ATT-98 GT15-70ATT-87 GT15-60ATT-97 GT15-60ATT-96 GT15-60ATT-87 GT15-60ATT-77 GT21-04RATT-40
Panel-mounted USB port extension	GT14-C10EXUSB-4S GT10-C10EXUSB-5S
Connector conversion box	GT16H-CNB-42S GT16H-CNB-37S GT11H-CNB-37S
Emergency stop switch guard cover	GT16H-60ESCOV GT14H-50ESCOV
Wall-mounting attachment	GT14H-50ATT

■GOT1000 series

Abbreviations and generic terms		Description
Memory card	CF card	GT05-MEM-16MC GT05-MEM-32MC GT05-MEM-64MC GT05-MEM-128MC GT05-MEM-256MC GT05-MEM-512MC GT05-MEM-1GC GT05-MEM-2GC GT05-MEM-4GC GT05-MEM-8GC GT05-MEM-16GC
	SD card	NZ1MEM-2GBSD NZ1MEM-4GBSD NZ1MEM-8GBSD NZ1MEM-16GBSD L1MEM-2GBSD L1MEM-4GBSD
Memory card adaptor		GT05-MEM-ADPC
Option function board		GT16-MESB GT15-FNB GT15-QFNB GT15-QFNB16M GT15-QFNB32M GT15-QFNB48M GT11-50FNB GT15-MESB48M
Battery		GT11-50BAT GT15-BAT

Abbreviations and generic terms	Description	
Protective Sheet	For GT16	GT16-90PSCB GT16-90PSGB GT16-90PSCW GT16-90PSGW GT16-80PSCB GT16-80PSGB GT16-80PSCW GT16-80PSGW GT16-70PSCB GT16-70PSGB GT16-70PSCW GT16-70PSGW GT16-60PSCB GT16-60PSGB GT16-60PSCW GT16-60PSGW GT16-50PSCB GT16-50PSGB GT16-50PSCW GT16-50PSGW GT16-90PSCB-012 GT16-80PSCB-012 GT16-70PSCB-012 GT16-60PSCB-012 GT16-50PSCB-012 GT16H-60PSC
Protective Sheet	For GT15	GT15-90PSCB GT15-90PSGB GT15-90PSCW GT15-90PSGW GT15-80PSCB GT15-80PSGB GT15-80PSCW GT15-80PSGW GT15-70PSCB GT15-70PSGB GT15-70PSCW GT15-70PSGW GT15-60PSCB GT15-60PSGB GT15-60PSCW GT15-60PSGW GT15-50PSCB GT15-50PSGB GT15-50PSCW GT15-50PSGW
Protective Sheet	For GT14	GT14-50PSCB GT14-50PSGB GT14-50PSCW GT14-50PSGW GT14H-50PSC
Protective Sheet	For GT12	GT11-70PSCB GT11-65PSCB
Protective Sheet	For GT11	GT11-50PSCB GT11-50PSGB GT11-50PSCW GT11-50PSGW GT11H-50PSC

Abbreviations and generic terms	Description	
Protective Sheet	For GT10	GT10-50PSCB GT10-50PSGB GT10-50PSCW GT10-50PSGW GT10-40PSCB GT10-40PSGB GT10-40PSCW GT10-40PSGW GT10-30PSCB GT10-30PSGB GT10-30PSCW GT10-30PSGW GT10-20PSCB GT10-20PSGB GT10-20PSCW GT10-20PSGW
Protective cover for oil	GT05-90PCO GT05-80PCO GT05-70PCO GT05-60PCO GT05-50PCO GT16-50PCO GT10-40PCO GT10-30PCO GT10-20PCO	
USB environmental protection cover	GT16-UCOV GT16-50UCOV GT15-UCOV GT14-50UCOV GT11-50UCOV	
Stand	GT15-90STAND GT15-80STAND GT15-70STAND A9GT-50STAND GT05-50STAND	
Attachment	GT15-70ATT-98 GT15-70ATT-87 GT15-60ATT-97 GT15-60ATT-96 GT15-60ATT-87 GT15-60ATT-77 GT15-50ATT-95W GT15-50ATT-85	
Backlight	GT16-90XLTT GT16-80SLTT GT16-70SLTT GT16-70VLTT GT16-70VLTTA GT16-70VLTN GT16-60SLTT GT16-60VLTT GT16-60VLTN GT15-90XLTT GT15-80SLTT GT15-70SLTT GT15-70VLTT GT15-70VLTN GT15-60VLTT GT15-60VLTN	
Multi-color display board	GT15-XHNB GT15-VHNB	
Connector conversion box	GT16H-CNB-42S GT11H-CNB-37S	
Emergency stop sw guard cover	GT11H-50ESCOV GT16H-60ESCOV	
Memory loader	GT10-LDR	
Memory board	GT10-50FMB	

Abbreviations and generic terms	Description
Panel-mounted USB port extension	GT14-C10EXUSB-4S GT10-C10EXUSB-5S

Software

■Software related to GOT

Abbreviations and generic terms	Description
GT Works3	SW1DND-GTWK3-J, SW1DND-GTWK3-E, SW1DND-GTWK3-C
GT Designer3 Version1	Screen design software GT Designer3 for GOT2000 and GOT1000 series
GT Designer3	Screen design software for GOT2000 series included in GT Works3
GT Designer3(GOT2000)	
GT Designer3(GOT1000)	Screen design software for GOT1000 series included in GT Works3
Speech synthesis license	GT Works Text to Speech License (SW1DND-GTVO-M)
Add-on license	GT Works3 add-on license for GOT2000 enhanced drive control (servo) project data (SW1DND-GTSV-MZ)
GENESIS64 Advanced	GENESIS64 server application (GEN64-APP)
GENESIS64 Basic SCADA	GENESIS64 server application (GEN64-BASIC)
GENESIS64	Generic term of GENESIS64 Advanced and GENESIS64 Basic SCADA
GOT Mobile function license for GT SoftGOT2000	License required to use the GOT Mobile function with GT SoftGOT2000 (SGT2K-WEBSKEY-□)
GT Simulator3	Screen simulator GT Simulator3 for GOT2000, GOT1000, and GOT900 series
GT SoftGOT2000	GOT2000 compatible HMI software GT SoftGOT2000
GT OPC UA Client	MELSOFT GT OPC UA Client (SW1DNN-GTOUC-MD)
GT Converter2	Data conversion software GT Converter2 for GOT1000 and GOT900 series
GT Designer2 Classic	Screen design software GT Designer2 Classic for GOT900 series
GT Designer2	Screen design software GT Designer2 for GOT1000 and GOT900 series
DU/WIN	Screen design software FX-PCS-DU/WIN for GOT-F900 series

■Software related to iQ Works

Abbreviations and generic terms	Description
iQ Works	iQ Platform compatible engineering environment MELSOFT iQ Works
MELSOFT Navigator	Integrated development environment software included in SW □ DND-IQWK(iQ Platform compatible engineering environment MELSOFT iQ Works) (□ represents a version.)
MELSOFT iQ AppPortal	SW□DND-IQAPL-M type integrated application anagement software (□ represents a version.)

■Other software

Abbreviations and generic terms		Description
GX Works3		SW □ DND-GXW3-E (-EA, -EAZ) type programmable controller engineering software (□ represents a version.)
GX Works2		SW □ DNC-GXW2-E (-EA, -EAZ) type programmable controller engineering software (□ represents a version.)
Controller simulator	GX Simulator3	Simulation function of GX Works3
	GX Simulator2	Simulation function of GX Works2
	GX Simulator	SW□D5C-LLT-E (-EV) type ladder logic test tool function software package (SW5D5C-LLT (-V) or later versions) (□ represents a version.)
GX Developer		SW□D5C-GPPW-E (-EV)/SW□D5F-GPPW (-V) type software package (□ represents a version.)
GX LogViewer		SW□DNN-VIEWER-E type software package (□ represents a version.)
MI Configurator		Configuration and monitor tool for Mitsubishi Electric industrial computers (SW□DNNMICONF-M) (□ represents a version.)
PX Developer		SW□D5C-FBDQ-E type FBD software package for process control (□ represents a version.)
MT Works2		Motion controller engineering environment MELSOFT MT Works2(SW□DNDMTW2-E) (□ represents a version.)

Abbreviations and generic terms	Description
MT Developer	SW□RNC-GSV type integrated start-up support software for motion controller Q series (□ represents a version.)
CW Configurator	Setting/monitoring tools for the C Controller module and MELSECWinCPU(SW□DND-RCCPU-E) (□ represents a version.)
MR Configurator2	SW□DNC-MRC2-E type servo configuration software (□ represents a version.)
MR Configurator	MRZJW□-SETUP type servo configuration software (□ represents a version.)
FR Configurator2	Inverter setup software (SW □ DND-FRC2-E) (□ represents a version.)
FR Configurator	Inverter setup software (FR-SW□-SETUP-WE) (□ represents a version.)
NC Configurator2	CNC parameter setting support tool (FCSB1221)
NC Configurator	CNC parameter setting support tool
FX Configurator-FP	Parameter setting, monitoring, and testing software packages for FX3U-20SSCH (SW□D5CFXSSCE) (□ represents a version.)
FX Configurator-EN-L	FX3U-ENET-L type Ethernet module setting software (SW1D5-FXENETL-E)
FX Configurator-EN	FX3U-ENET type Ethernet module setting software (SW1D5C-FXENET-E)
RT ToolBox2	Robot program creation software (3D-11C-WINE)
RT ToolBox3	Robot program creation software (3F-14C-WINE)
MX Component	MX Component Version□(SW□D5C-ACT-E, SW□D5C-ACT-EA) (□ represents a version.)
MX Sheet	MX Sheet Version□(SW□D5C-SHEET-E, SW□D5C-SHEET-EA) (□ represents a version.)
CPU Module Logging Configuration Tool	CPU module logging configuration tool (SW1DNN-LLUTL-E)

License key

■For GT SoftGOT2000

Abbreviations and generic terms	Description
License key	GT27-SGTKEY-U

■For GT SoftGOT1000

Abbreviations and generic terms	Description
License key	GT15-SGTKEY-U GT15-SGTKEY-P

Others

Abbreviations and generic terms	Description
IAI	IAI Corporation
AZBIL	Azbil Corporation
OMRON	OMRON Corporation
KEYENCE	KEYENCE CORPORATION
KOYO EI	KOYO ELECTRONICS INDUSTRIES CO., LTD.
JTEKT	JTEKT CORPORATION
SHARP	Sharp Corporation
SHINKO	Shinko Technos Co., Ltd.
CHINO	CHINO CORPORATION
TOSHIBA	TOSHIBA CORPORATION
SHIBAURA MACHINE	SHIBAURA MACHINE CO., LTD.
PANASONIC	Panasonic Corporation
PANASONIC IDS	Panasonic Industrial Devices SUNX Co., Ltd.
HITACHI IES	Hitachi Industrial Equipment Systems Co., Ltd.
HITACHI	Hitachi, Ltd.
HIRATA	Hirata Corporation.
FUJI	FUJI ELECTRIC CO., LTD.
MURATEC	Muratec products manufactured by Murata Machinery, Ltd.
YASUKAWA	YASKAWA Electric Corporation
YOKOGAWA	Yokogawa Electric Corporation
RKC	RKC INSTRUMENT INC.
ALLEN-BRADLEY	Allen-Bradley products manufactured by Rockwell Automation, Inc.
CLPA	CC-Link Partner Association
GE	GE Intelligent Platforms, Inc.
HMS	HMS Industrial Networks
LS IS	LS Industrial Systems Co., Ltd.
MITSUBISHI INDIA	Mitsubishi Electric India Pvt. Ltd.
ODVA	Open DeviceNet Vendor Association, Inc.
SCHNEIDER	Schneider Electric SA
SICK	SICK AG
SIEMENS	Siemens AG
SCHNEIDER EJH	Schneider Electric Japan Holdings Ltd.
PLC	Programmable controller manufactured by its respective company
Control equipment	Control equipment manufactured by its respective company
Temperature controller	Temperature controller manufactured by its respective company
Indicating controller	Indicating controller manufactured by its respective company
Controller	Controller manufactured by its respective company
TSN Switch	CC-Link IE TSN Class B (Synchronized Realtime Communication) hub certified by CC-Link Partner Association
General-purpose Switch	CC-Link IE TSN Class A (Realtime Communication) hub certified by CC-Link Partner Association

1 OVERVIEW

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 Works3 Installation Procedure Manual

1.1 Features

GT Converter2 converts projects created with existing screen editor software into Designer3 or GTD2 Classic-compatible projects.

Supporting SCHNEIDER EJH's screen editor software data

☞Page 23 Compatible File Formats

Projects created with SCHNEIDER EJH's GP-PRO/PBⅢ series screen editor software can be converted into GT Designer3 or GT Designer2 Classic-compatible projects (GOT2000 format, GOT1000 format, or GOT-A900 format).
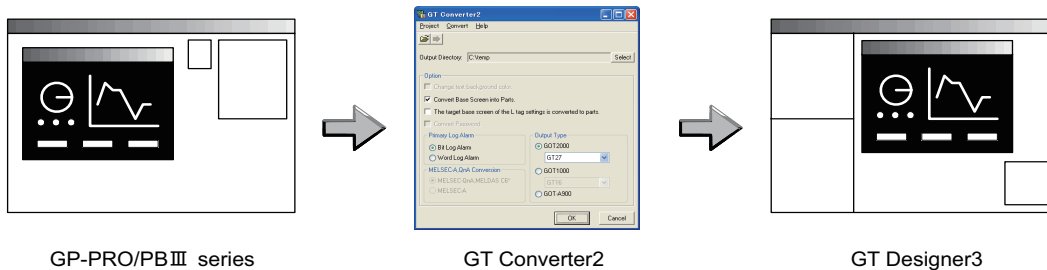
GP-PRO/PBⅢ series   GT Converter2   GT Designer3

The GOT2000, GOT1000, or GOT-A900 series can be selected as a GOT type.

When the GOT2000 series is selected, a GOT type is GT27.

When the GOT1000 series is selected, a GOT type can be selected from GT16 or GT15.

Supporting GOT800 series screen editor software data

☞Page 23 Compatible File Formats

Projects created with the GOT800 series screen editor software SW3NIW-A8GOTP can be converted into GT Designer3 or GT Designer2 Classic-compatible projects (GOT2000 format, GOT1000 format, or GOT-A900 format).

SW3NIW-A8GOTP   GT Converter2   GT Designer3

The GOT2000, GOT1000, or GOT-A900 series can be selected as a GOT type.

When the GOT2000 series is selected, a GOT type is GT27.

When the GOT1000 series is selected, a GOT type can be selected from GT16 or GT15.

Outputting conversion logs

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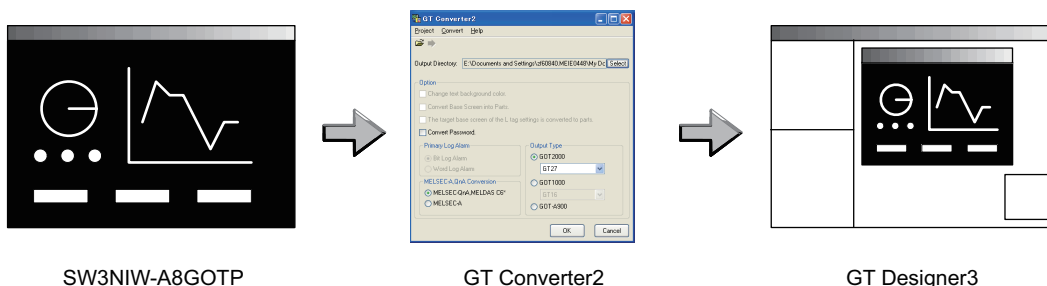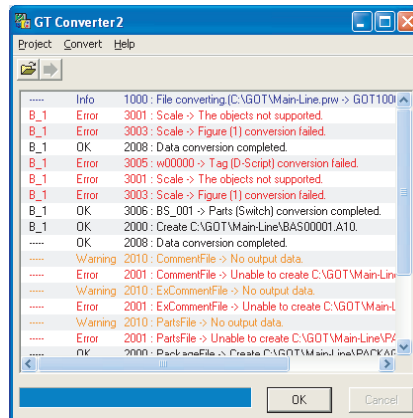
If a conversion failure occurs, the cause of the failure can be checked on the conversion logs.

2 OPERATING ENVIRONMENT

Item	Description
Personal computer	PC/AT compatible personal computer that Windows® runs on
OS (English version)[*1][*2][*6]	Microsoft Windows 11 Education (64 bit)[*4][*5] Microsoft Windows 11 Enterprise (64 bit)[*4][*5] Microsoft Windows 11 Pro (64 bit)[*4][*5] Microsoft Windows 11 Home (64 bit)[*4][*5] Microsoft Windows 10 Enterprise (32 bit, 64 bit)[*4][*5] Microsoft Windows 10 Pro (32 bit, 64 bit)[*4][*5] Microsoft Windows 10 Home (32 bit, 64 bit)[*4][*5] Microsoft Windows 8.1 Enterprise (32 bit, 64 bit)[*4][*5] Microsoft Windows 8.1 Pro (32 bit, 64 bit)[*4][*5] Microsoft Windows 8.1 (32 bit, 64 bit)[*4][*5] Microsoft Windows 8 Enterprise (32 bit, 64 bit)[*4][*5] Microsoft Windows 8 Pro (32 bit, 64 bit)[*4][*5] Microsoft Windows 8 (32 bit, 64 bit)[*4][*5] Microsoft Windows 7 Ultimate (32 bit, 64 bit)[*3][*4] Microsoft Windows 7 Enterprise (32 bit, 64 bit)[*3][*4] Microsoft Windows 7 Professional (32 bit, 64 bit)[*3][*4] Microsoft Windows 7 Home Premium (32 bit, 64 bit)[*4] Microsoft Windows 7 Starter (32 bit)
CPU	• Windows 11: 64 bit-compatible processor with dual-core or more or System on a Chip (SoC) • Other than Windows 11: 1 GHz or more recommended
Memory	• For Windows 11: 4 GB or more recommended • For 64-bit OS other than Windows 11: 2 GB or more recommended • For 32-bit OS other than Windows 11: 1 GB or more recommended
Display	Resolution SVGA(800 × 600 dots) or more
Hard disk space	For installation: 20MB or more
Display color	High Color (16 bits) or more
Others	The mouse, keyboard, printer, and DVD-ROM drive must be compatible with the above OS.

*1 When installing GT Converter2, the administrator authority is required.
*2 The following functions are not supported.
   ◇Activating the application with Windows® compatibility mode
   ◇Fast user switching
   ◇Change your desktop themes (fonts)
   ◇Remote desktop
   ◇Setting the size other than [Smaller - 100%] for the characters and images on the screen
*3 Windows XP Mode is not supported.
*4 Windows Touch and Touch are not supported.
*5 Modern UI style is not supported.
*6 A virtual environment such as Hyper-V is not supported.

MEMO

3 SPECIFICATIONS

3.1 Compatible File Formats

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

Conversion source file format

conversion source

SW3NIW-A8GOTP/
GP-PRO/PBⅢ series

GT Converter2

GT Designer3
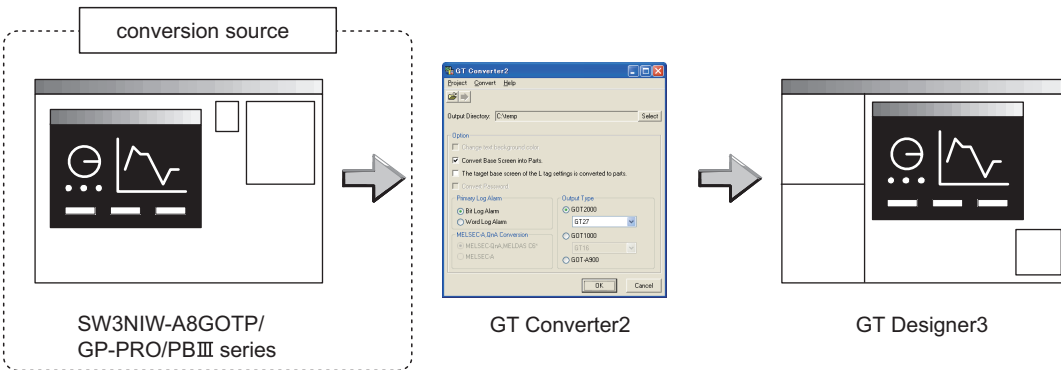
■SCHNEIDER EJH's screen editor software

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 projects created with SCHNEIDER EJH's screen editor software

If a project created with SCHNEIDER EJH's GP-PRO/PBⅢ series screen editor software is not correctly converted, reopen and save the project with the software, and then convert it. The conversion may be successful.

For details on SCHNEIDER EJH's GP-PRO/PBⅢ series screen editor software, refer to the following.

📖SCHNEIDER EJH's GP-PRO/PBⅢ series manual

■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)

Point

• 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)

File format after conversion

	after conversion	
SW3NIW-A8GOTP/ GP-PRO/PBIII series	GT Converter2	GT Designer3
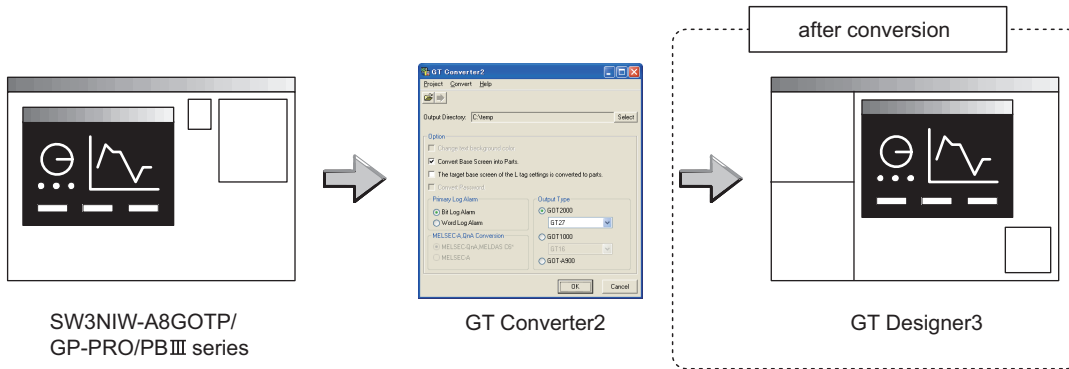
The following can be specified for the file formats after conversion.

Manufacturer	Screen editor software	File format
Mitsubishi Electric Corporation	GT Designer3	GOT2000 Format (*.GTCNV) GOT1000 Format (*.g1) GOT-A900 Format (A9GOTP.GOT)

Point

• Data Size of Converted File

When checking the data size of the file after conversion, save the project data on GT Designer3 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

Screen layout

The screen is laid out as shown below.

Title bar

Toolbar
☞

Menu bar

☞

Dropdown menu
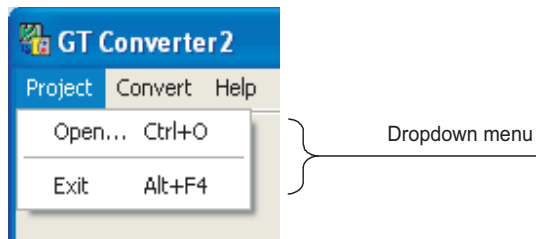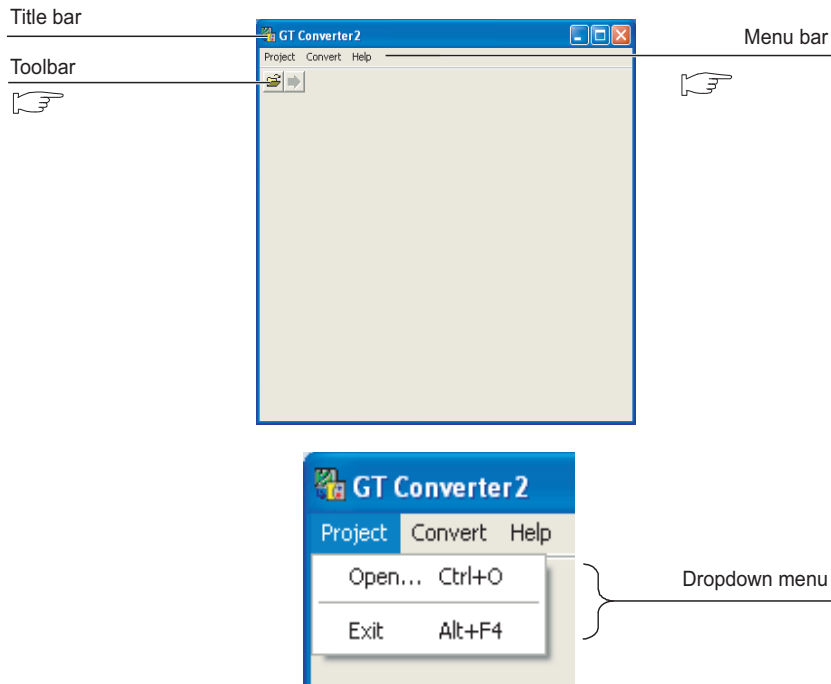
Basic operations

Basic operations are explained here.

1. Check box

To execute an item, click □ to put the ✔ mark.

(1) Check box
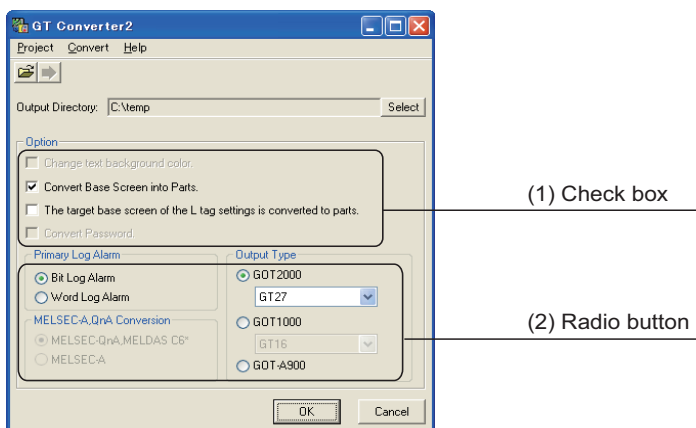
(2) Radio button

2. Radio button

Click ○ for the item to be selected.

4.2   Menu Bar

The following commands are provided on the menu bar.

Project

The Project menu contains commands to open project data and exit GT Converter2.

☞ Page 29 GT CONVERTER2 OPERATION METHODS

Project	
Open...	Ctrl+O
Exit	Alt+F4
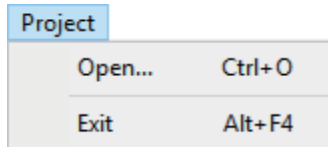
Convert

The Convert menu contains a command to display the conversion setting screen.

☞ Page 29 GT CONVERTER2 OPERATION METHODS

Convert	
Start	Ctrl+S
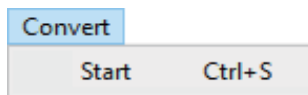
Help

The Help menu contains commands to view PDF files relevant to GT Converter2 and check the software version.

☞ Page 27 How to use Help

Help
Index(GOT900)
Index(GOT1000)
About GT Converter2...
Connection to MITSUBISHI ELECTRIC FA Global Website...
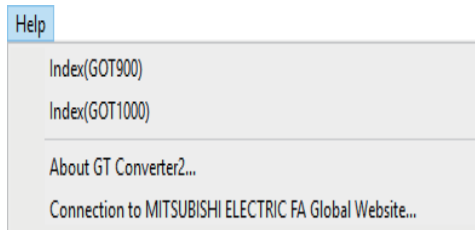
4.3   Toolbar

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 Designer3-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.

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.
[Connection to MITSUBISHI ELECTRIC FA Global Website...]	Connects to the MITSUBISHI ELECTRIC FA Global Website.

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

1. After operation in [Help] - [Index(GOT900)]/[Index(GOT1000)] , the screen shown below is displayed. Click the manual you want to view.

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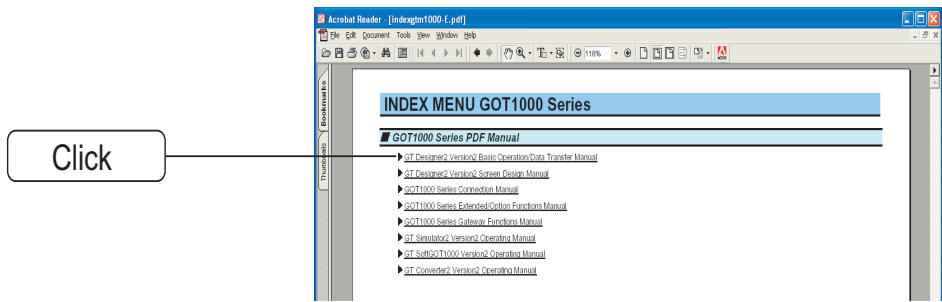
*The above is user for explanation only and differs from the actual page.

2. The selected manual is displayed.

(For details of the Adobe® Reader® operation method, refer to the help of Adobe® Reader®.)

Switches the display to the first page of the selected item

Returns to INDEX MENU.
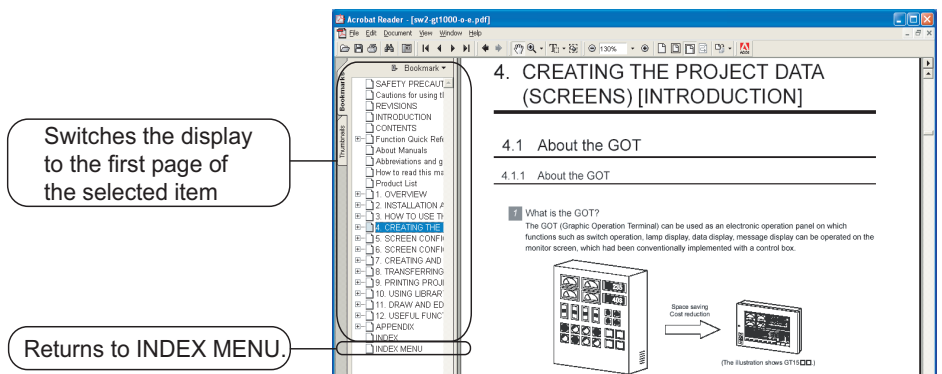
*The above is user for explanation only and differs from the actual page.

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

1. After operation in [Help] - [About GT Converter2...], the Version Information screen is displayed.

(Example: When the version is 3.02C)

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.
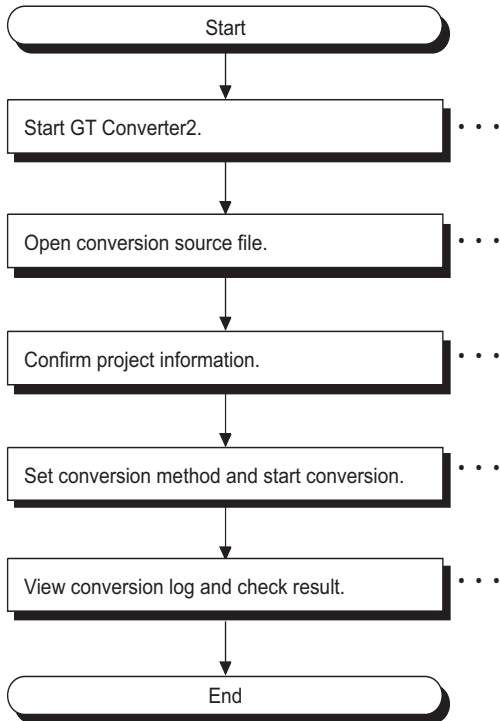
```
          ┌─────────────────────────┐
          │          Start          │
          └─────────────────────────┘
                       │
                       ▼
┌─────────────────────────────────┐
│  Start GT Converter2.            │  · · ·
└─────────────────────────────────┘
                       │
                       ▼
┌─────────────────────────────────┐
│  Open conversion source file.    │  · · ·
└─────────────────────────────────┘
                       │
                       ▼
┌─────────────────────────────────┐
│  Confirm project information.    │  · · ·
└─────────────────────────────────┘
                       │
                       ▼
┌─────────────────────────────────┐
│  Set conversion method and start conversion.  │  · · ·
└─────────────────────────────────┘
                       │
                       ▼
┌─────────────────────────────────┐
│  View conversion log and check result.  │  · · ·
└─────────────────────────────────┘
                       │
                       ▼
          ┌─────────────────────────┐
          │           End           │
          └─────────────────────────┘
```

Point

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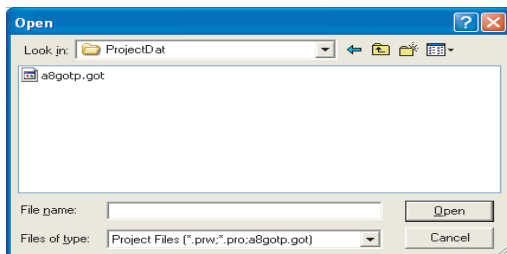
Item	Description
Lock in	Select the location where the conversion source file is saved.
File name	Enter the conversion source file name.

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.

Conversion applicability

Item	Description
File name	Displays the project file name.
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/PBⅢ for Windows95 ◇GP-PRO/PBⅢ for Windows ◇GP-PRO/PBⅢ C-Package01 ◇GP-PRO/PBⅢ C-Package02 ◇GP-PRO/PBⅢ C-Package03 ProPB3 for DOS Project: Displayed when the conversion source file was created by GP-PRO/PB Ⅲ (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

☞Page 50 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 displays the conversion settings screen.

☞Page 30 Opening Conversion Source File

• 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.

☞Page 34 Checking Conversion Result

Clicking the [Cancel] button during conversion will stop the conversion.

• Output Directory Setting

☞Page 32 Output directory setting

• Conversion Method

☞Page 32 Conversion option settings
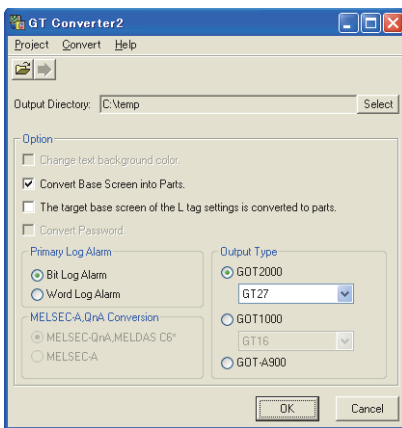
Converted File Types

The file type of the converted files varies depending on the conversion format settings

☞Page 32 Conversion option settings

Conversion format	File name
GOT2000	The following 2 types of files are output after conversion. ◇"<filename>.GTCNV" ◇"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>.
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>.

Conversion format	File name
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"

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.

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.
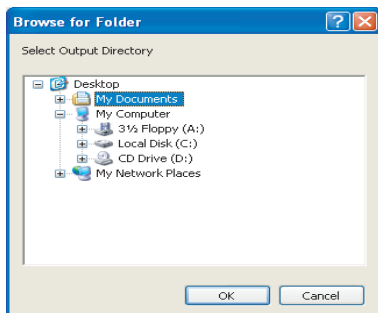
Conversion option settings

Set conversion methods on the conversion settings screen.

1. Make the following settings.
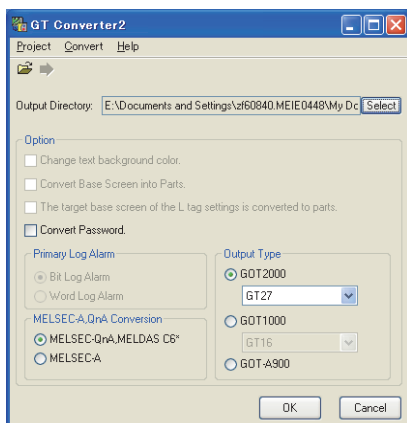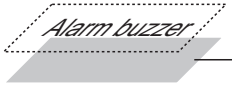
(When converting the project data for GOT800 series.)   (When converting the project data for GP-PRO/PB III series.)
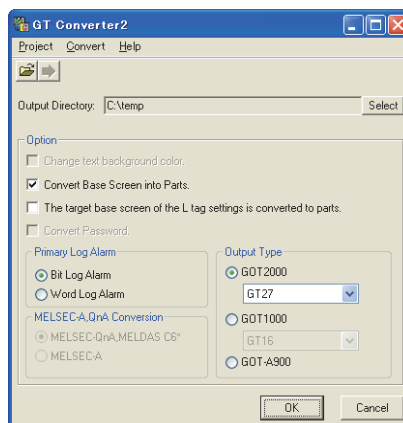
○: Applicable, ×: Not applicable

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". *Alarm buzzer* 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.	○	○	×
MELSEC-A, QnA Conversion	When MELSEC-A, MELSEC-QnA, or MELSEC-Q is set for the conversion source project, this item can be selected. The conversion source file is converted into the selected PLC type.	×	×	○
Output type	When converting it into a GOT2000-format file (*.GTCNV), select GOT2000 type. When converting it into "GOT1000 Binary Files (*.G1)", select GOT1000 type. When GOT1000 type is selected, GT16 or GT15 is selectable. When converting it into "GT Designer Files (A9GOTP.GOT)", select GOT-A900 type.	○	○	○

5

5.4 Checking Conversion Result

Referring to the conversion logs, check the conversion results.

☞Page 36 Conversion log list

The conversion logs are displayed on the screen at the time of conversion and saved in a text file.
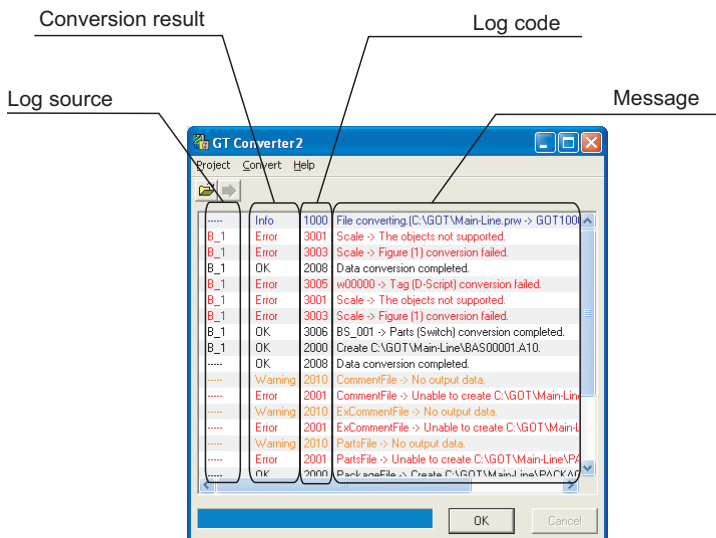
Item	Description
Log source	Displays the conversion source. ☞ Page 34 Log source list
Conversion result	OK: Indicates conversion has been done properly. Warning: Indicates there is a warning. Error: Indicate failure in conversion. Info: Indicates information other than the above.
Log code	Displays the log code.
Message	Displays the conversion source objects and messages. ☞ Page 35 Conversion source object list ☞ Page 36 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. ☞ Page 30 Opening Conversion Source File
[Cancel] button	Stops current conversion.

Point

• 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.

• 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.

☞ Page 32 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"

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

Display	Conversion source
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

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/PB Ⅲ series' editing screen are displayed.

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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. ◇Check if you are logged in as the user with operating system administrator privileges. ◇Change the output target. ◇Restart Microsoft® Windows®.
1007	File reading error.	Error	Perform the following before conversion. ◇Exit the other running applications. ◇Check if you are logged in as the user with operating system administrator privileges. ◇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. ◇Check if you are logged in as the user with operating system administrator privileges. ◇Change the output target. ◇Restart Microsoft® Windows®.
1009	GTCNV file created.	OK	---
1010	GTCNV file creation error.	Error	Perform the following before conversion. ◇Exit the other running applications. ◇Check if you are logged in as the user with operating system administrator privileges. ◇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 Designer3.
2003	LS Area conversion error.	Warning	After the conversion, set the device of the error object again with GT Designer3.
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 Designer3 after the conversion.
2006	Log Alarms cannot be converted due to option settings.	Warning	Manually set the unconverted log alarm with GT Designer3 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.
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 Designer3. 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	---

Log code	Message	Conversion result	Corrective action
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 Designer3.
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 Designer3.
4011	Unable to convert arrow attributes.	Warning	After the conversion, draw an arrow using lines with GT Designer3.
4012	Unable to convert BMP image in parts.	Error	After the conversion, register the BMP image as a part with GT Designer3.
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 Designer3.
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 Designer3.
-	(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 Designer3.
-	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 AActivating functional part A (funcA_main.exe 5.60.00	Info	---
-	=== Sprite data will be converted	Info	---

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Log code	Message	Conversion result	Corrective action
-	=== 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	---
-	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 Designer3.
-	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	---
-	=== Alarm Display (User) 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®.

Log code	Message	Conversion result	Corrective action
-	(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.
-	*** 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 Designer3.
-	> 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 Designer3.
-	> 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 Designer3.
-	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 Designer3.
-	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 Designer3.
-	Parts.a8 Conversion initiation	Info	---
-	Parts.a8 Conversion termination	Info	---
-	<File name>.GTCNV Conversion initiation	Info	---
-	<File name>.GTCNV Conversion termination	Info	---
-	Conversion of <File name>.GTCNV is not performed	Info	After the conversion, correct the error in the data shown in the message with GT Designer3.
-	Warning!! Excess of device types	Info	After the conversion, correct the error in the data shown in the message with GT Designer3.
-	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 Designer3.
-	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 Designer3.
-	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	
-	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 Designer3.
-	XXX Failure XXX (<coordinate>,<coordinate> - <coordinate>,<coordinate>)	Info	

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Log code	Message	Conversion result	Corrective action
-	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 Designer3.
-	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 file format 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 Designer3.
-	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 Designer3.
-	xxx Failed to register alarm history data xxx	Info	
-	xxx Failed to register Alarm Display (User) 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	
-	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 Designer3.
-	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	---

Log code	Message	Conversion result	Corrective action
-	=== 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	---
-	=== 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. ☞ Page 32 Handling of Converted Files
-	### 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	---
-	### File format conversion	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	

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 Designer3.
-	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	---
-	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**
>
> • Precautions for data conversion
>
> GT Converter2 will not be liable for the damage caused by data conversion, from the existing data to GOT2000 series, GOT1000 series, or GOT-A900 series.
>
> Before downloading converted project data to the GOT, be sure to check GT Designer3 setup and make corrections if necessary.
>
> Note that any function that is not supported by the conversion destination GOT will not be converted.
>
> • 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.
>
> • 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.

Graphics Conversion specification

All graphics convertible.

Conversion specifications for sprites

Restrictions

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

■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 Designer3 ([Frame], [Lamp], [Switch], [Background], and [Pattern]).

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

■Conversion specifications

The following indicates the conversion specifications of sprites.

○: Convertible, ×: Inconvertible

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. ◇GOT2000 or 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	○	------
Numerical Input	○	------
ASCII Input	○	------
Window display position	○	------
Data List Display	○	------
Alarm History Display	○	------

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** 🔍
>
> • Precautions for data conversion
>
> GT Converter2 will not be liable for the damage caused by data conversion, from the existing data to GOT2000 series, GOT1000 series, or GOT-A900 series.
>
> Before downloading converted project data to the GOT, be sure to check GT Designer3 setup and make corrections if necessary.
>
> Note that any function that is not supported by the conversion destination GOT will not be converted.
>
> • 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.
>
> • 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.

Page 34 Checking Conversion Result

Conversion specifications of project data

Restrictions of project data

The following describes the restrictions related to project data conversion.

• The setting items related to a memory card are inconvertible.

• When the device has been assigned to the control address of a text table, the device in GOT2000 format or GOT1000 format is converted into a Language Switch device.

The device in GOT-A900 format is inconvertible.

• 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.

☞ Page 32 Conversion option settings

• Mark screens are inconvertible.

Since parts of GT Designer3 function as same as Mark screen, recreate the Mark screens with GT Designer3 parts after conversion.

• After conversion, parts and figures completely lying off the top or left edge of the display area are displayed as shown below.

◇A part or figure lying off the top edge of the display area is displayed where its Y coordinate is changed to 0.

◇A part or figure lying off the left edge of the display area is displayed where its X coordinate is changed to 0.

Before conversion, check if the parts and figures are outside the display area.

Conversion specifications of GP system setting

■Restrictions

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

■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.

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

GT Designer3 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.

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

GT Designer3 setting

◇Base screen switching device   D100

◇System signal 2-1   D300

Program example

Writes screen No. 2 of initial screen to base screen switch device on rising edge of GOT ready bit (bit 1 of system signal 2-1).

Conversion specifications of alarm data

■Restrictions

The following describes the restrictions related to alarm data conversion.

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

☞ Page 32 Conversion option settings

• The background color of a text is not converted.

After conversion, the text appears without background color.

• Comment numbers are not shifted up at the time of conversion.

The positions having no numbers before conversion have no numbers after conversion.

■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	○	◇GOT2000 Comment Group, Alarm Popup Display ◇GOT1000 Basic Comment, Comment Group/Advanced Alarm Popup Display	Refer to the following for the conversion destination comment No. ☞ Page 48 Basic comment and comment group conversion
Alarm Summary setting	○	◇GOT2000 Comment Group, Alarm Popup Display ◇GOT1000 Basic Comment, Comment Group	
Bit Log Alarm setting	○	◇GOT2000 Comment Group, User Alarm Observation ◇GOT1000 Basic Comment/Common Settings (Alarm History)	
Word Log Alarm setting	○	Basic Comment/Common Settings (Alarm History)	

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

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

Conversion specifications of filing setting

■Restrictions

Setting items related to a memory card are inconvertible.

Conversion specifications of text tables

■Restrictions

The following describes the restrictions related to text table conversion.
- When text tables are converted into GOT2000 format or 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.
- When using Language Switch, convert a text table into GOT2000 format or GOT1000 format, and change the object whose text will be displayed on GT Designer3 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.
- When a text table is converted into GOT-A900 format, Language Switch will be disabled.

Refer to the above (b) for detail.
- 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.
- Up to 512 characters of each text string in a text table will be converted and the 513th characters and later will be deleted.
- The background color of a text will not be converted.

After conversion, the text appears without background color.
- 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.

■Conversion specifications of text tables

The following indicates the conversion specifications of text tables.

○: Convertible, ×: Inconvertible

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. ☞ Page 48 Basic comment and comment group conversion

Conversion specifications of screen types

■Restrictions

The following describes the restrictions related to screen type conversion.
- 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.
- The background color of a text on a text screen is inconvertible.

After conversion, the text appears without background color.
- On a text screen, one line is converted as one comment.
- Comment numbers on a text screen will not be shifted up at the time of conversion.
- Text screens with multi-language setting are not converted.

After conversion, set them as basic comments or comment groups on the GT Designer3.
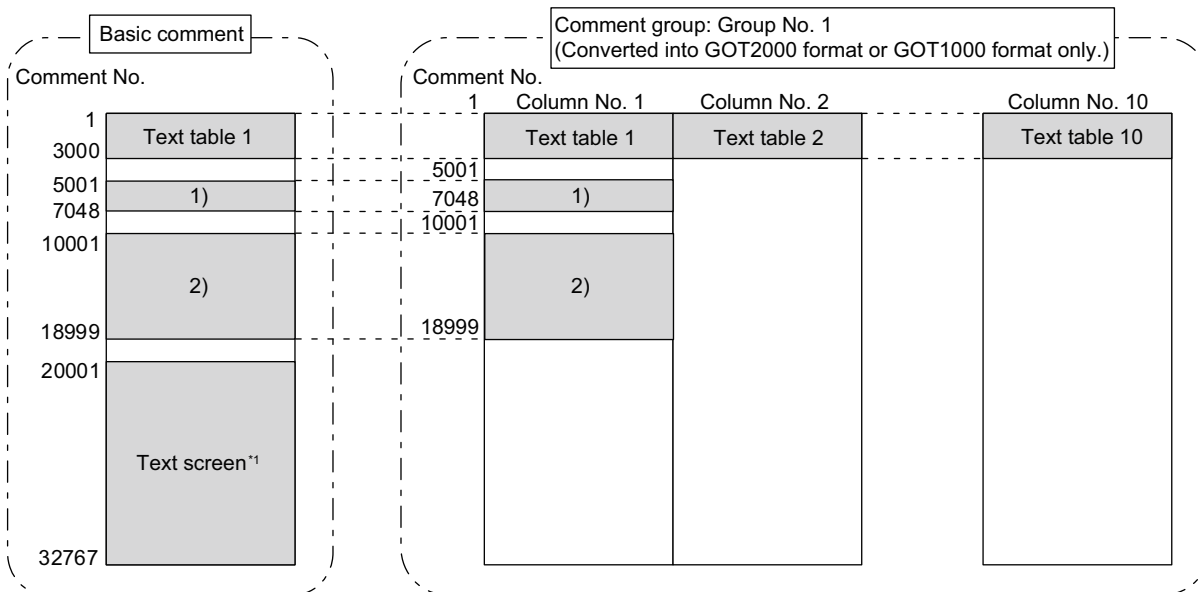
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■Conversion specifications of screen types

The following indicates the conversion specifications of screen types.

○: Convertible, ×: Inconvertible

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. ☞ Page 32 Conversion option settings Base screen No. : 1 to 8999 Parts No. : 1 to 8999
Mark screen	×	------	Mark screens are inconvertible. Since parts of GT Designer3 function as same as Mark screen, recreate the Mark screens with GT Designer3 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. ☞ Page 48 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

■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

☞ Page 47 Conversion specifications of text tables

Bit/Word Log Alarm setting

☞ Page 46 Conversion specifications of alarm data

Alarm Message Display/Alarm Summary setting

☞ Page 46 Conversion specifications of alarm data

Text screen

☞ Page 47 Conversion specifications of screen types

GP type

The following indicates the conversion specifications of the GP types.

Conversion source GP type		Conversion destination GOT type			
Series name	Model name	GOT2000 format	GOT1000 format		GOT-A900 format
			GT16	GT15	
GP2000	GP2500	GT27-V	GT16-V	GT15-V	A97□GOT
	GP2600	GT27-S	GT16-S	GT15-S	A985GOT
	GP2400	GT27-V	GT16-V	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	GT27-S	GT16-S	GT15-S	A985GOT
	GP2301S	GT27-V	GT16-V	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	GT27-V	GT16-V	GT15-V	A97□GOT
	GP477R[1]				A960GOT
	GP377R			GT15-Q	A95□GOT
GP70	GP570	GT27-V	GT16-V	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	GT27-S	GT16-S	GT15-S	A985GOT
	GP570VM	GT27-V	GT16-V	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
GP-Web	GP-Web 200 × 150[1]	GT27-V	GT16-V	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	GT27-S	GT16-X	GT15-X	GT SoftGOT2
	GP-Web 200 × 150 for GLC[1]	GT27-V	GT16-V	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	GT27-S	GT16-X	GT15-X	GT SoftGOT2

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Conversion source GP type		Conversion destination GOT type			
Series name	Model name	GOT2000 format	GOT1000 format		GOT-A900 format
			GT16	GT15	
GLC	GLC100S	GT27-V	GT16-V	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	GT27-S	GT16-S	GT15-S	A985GOT
	GLC2300L	GT27-V	GT16-V	GT15-Q	A95□GOT
	GLC2300T				A95□GOT
Factory Gateway	Factory Gateway FGW-SE	GT27-V	GT16-V	GT15-Q	A95□GOT

*1   When data is converted into GOT1000 format, a prompt appears to confirm screen size change to the 640 × 480 dots GT16-V/GT15-V.

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, and then the whole project data will not be converted.

Page 30 Opening Conversion Source File

○: Convertible, ×: Inconvertible

Conversion source PLC type		PLC type after conversion		
Maker	PLC type	GOT2000 format 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	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	New Satellite JW Series	○	×	SHARP JW
TOSHIBA	PROSEC-T(ETHER)	○	×	TOSHIBA PROSEC T/V Series
	PROSEC-T Series	○	○	TOSHIBA PROSEC T/V Series
	PROSEC-EX2000 Series	×	×	------

Conversion source PLC type		PLC type after conversion		
Maker	**PLC type**	**GOT2000 format GOT1000 format**	**GOT-A900 format**	**PLC type**
HITACHI IES	HIDIC H Series	○	×	HITACHI HIDIC H
	HIDIC H2 Series	×	×	------
PANASONIC INDUSTRIAL DEVICES SUNX	MEWNET-FP Series	○	×	MATSUSHITA MEWNET-FP
YASKAWA	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	FACTORY ACE 1:1 communication	○	×	Yokogawa Electric FACTORY ACE
	FACTORY ACE 1:n communication	○	×	Yokogawa Electric FACTORY ACE
	FA-M3(ETHER)	×	×	------
ALLEN-BRADLEY	ControlLogix DF1	×	×	------
	PLC-5 Series	×	×	------
	SLC500 Series	○	×	AB SLC500
	Data Highway Plus	×	×	------
	Slc500 DH485	×	×	------
	Remoto IO	×	×	------
SIEMENS	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	×	×	------
SCHNEIDER EJH	Memory Link Ethernet type	○	○	Microcomputer
	Memory Link SIO type	○	○	Microcomputer

Screen information

Restrictions

The following describes the restrictions related to screen information conversion.

• Mark screens are inconvertible.

Since parts of GT Designer3 function as same as Mark screen, recreate the Mark screens with GT Designer3 parts after conversion.

• When Base screens are converted into parts by the setting on the Conversion setting screen, only graphic data is converted into parts.

• When Image Library screens are converted, only graphic data is converted into parts.

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Graphic data

Restrictions

The following describes the restrictions related to graphic data conversion.

- Blink settings are inconvertible.
- The graphic data that extends off the screen edge is inconvertible.
- Setup items, which have not been converted, are replaced by default settings of GT Designer3.

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.

○: Convertible, ×: Inconvertible

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 GOT2000 series or 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 GOT2000 format or GOT1000 format, if the conversion source applies to the conditions below, the strings are converted to Simple Comment. If the conversion source does not apply to the conditions below, the strings are converted to text figures. ◇String table reference ◇Horizontal writing ◇No slant
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.

Tag information

Restrictions

The following describes the restrictions related to tag information conversion.

- Display angle is always converted to 0 degree.
- The tag information that extends off the screen edge is inconvertible.
- Indirect color setting will be converted to white.
- When an input code, which is not supported by the GOT (example: MSB code) is included, the tag information will not be converted.
- 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.
- When Color change has been set Alarm tag, the tag will be converted without alarm action.
- Zero display settings are inconvertible.

On the GOT, data 0 is shown as "0" on a screen.

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

- When Indirect offset devices are set to range values of Alarm/Range, the range values will be converted without Alarm/Range.
- Q-tags will be converted into alarm history.
- It is not converted into an extended alarm history.
- Level-by-level color switch display of Q tags are inconvertible.

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)	○	◇GOT2000 format Simple Alarm Display ◇GOT1000 format Alarm list	------
a-tag (Alarm Summary Display)	○	◇GOT2000 format Simple Alarm Display ◇GOT1000 format 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]	○	◇GOT2000 format Numerical Input, Character String Input ◇GOT1000 format 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)	○	------	------
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)	○	◇GOT2000 format Alarm Display (User) ◇GOT1000 format Alarm history	------
R-tag (Rail Settings)	×	------	------
S-tag (String Display)	○	◇GOT2000 format Character String Display ◇GOT1000 format 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. ☞ Page 54 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)	×	------	------

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Tag information item	Conversion applicability	Conversion destination	Remarks
V-tag (Video Window Display)	×	------	------
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	------

*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.

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

Parts information

Restrictions

The following describes the restrictions related to parts information conversion.

- Parts information comments are inconvertible.
- Change notification bit setting function of the setting value display function is inconvertible.
- Grouping function of setting value display function is inconvertible.
- Graphic data included in the parts will be converted into graphics.
- Name plate characters of switch, lamp and message display are converted as name plate of conversion destination object.(Display position is center.)

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[*3]	○	Bit switch	------
Word switch[*3]	○	Data set switch	------

Parts information item	Conversion applicability	Conversion destination	Remarks
Special function switch[*3]	○	Key code switch	------
Toggle switch[*3]	○	Bit switch	------
Lamp[*3]	○	Lamp display	------
4-State Lamp	○	Word Lamp display	------
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]	○	◇GOT2000 format Numerical Input, Character String Input ◇GOT1000 format Numerical/ASCII Input	------
Alarm	○	User alarm	------
File Name Display	×	------	------
Logging Display Device	○	Logging	------
Data Transfer Display	×	------	------
CSV Display	×	------	------
File Manager Display	×	------	------
Numeric Display	○	Numerical Display	------
Message Display[*3]	○	Lamp display	------
Date Display	○	Date display	------
Time Display	○	Time Display	------
Graphic display	×	------	------
Window Display	×	------	------

*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.

*3 When a name plate which is referring to a text table is converted to GOT2000 format or GOT1000 format, the name plate is converted to a Comment Group name plate.

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D-Script

Restrictions

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

- When a script includes any inconvertible items other than a trigger, that script will not be converted.
- Trigger expressions, "Detect true (nonzero)" and "Detect false (zero)" will be converted to [Ordinary] of trigger type.

Point

- 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 Designer3 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)"

Conversion specifications of script settings

The following indicates the conversion specifications of script settings.

○: Convertible, ×: Inconvertible

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 Designer3 after conversion, similar functions can be reproduced. ☞ Page 56 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)	------

Conversion specifications of variables

The following indicates the conversion specifications of variables.

○: Convertible, ×: Inconvertible

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

Conversion specifications of addresses

The following indicates the conversion specifications of addresses.

○: Convertible, ×: Inconvertible

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

Conversion specifications of commands

The following indicates the conversion specifications of commands.

○: Convertible, ×: Inconvertible

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

A

Conversion specifications of comparisons

The following indicates the conversion specifications of comparisons.

○: Convertible, ×: Inconvertible

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

Conversion specifications of operators

The following indicates the conversion specifications of operators.

○: Convertible, ×: Inconvertible

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

Conversion specifications of descriptive expressions

The following indicates the conversion specifications of descriptive expressions.

○: Convertible, ×: Inconvertible

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;
		}
			------ 	

Descriptive expressions	Conversion applicability	Conversion destination	Remarks

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;	------

Conversion specifications of functions

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

Called function (Function 1) is developed in the position where the function is called (Call Function 1).
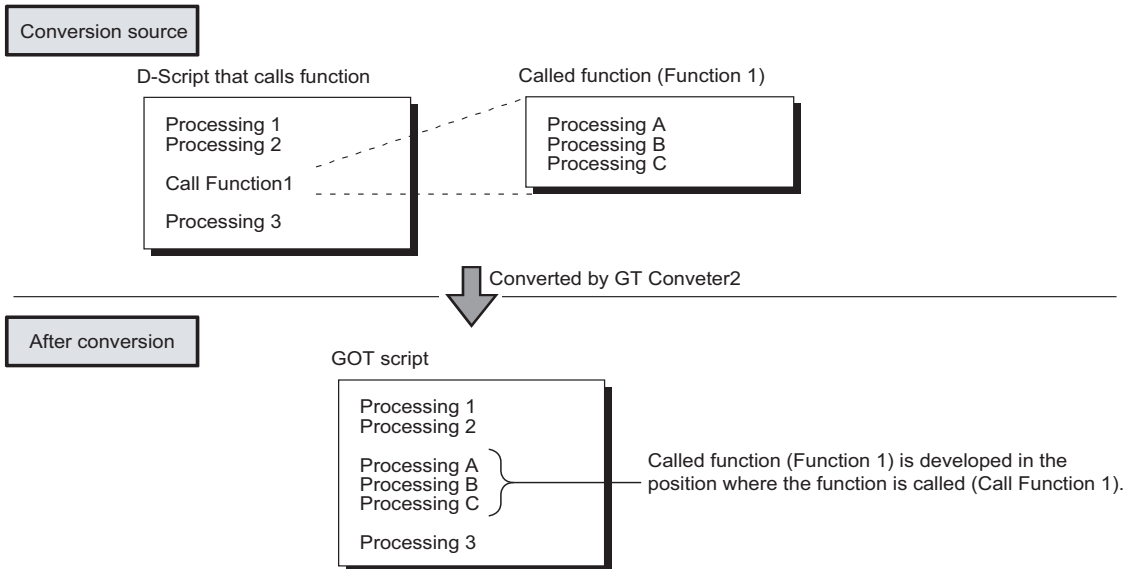
LS area

The following describes the conversion specifications of LS areas.

Restrictions

The following describes the restrictions related to LS area conversion.

- 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 Designer3 if necessary.

- When any of devices from LS0 to LS63 is converted into GOT-A900 format, reallocate the device with GT Designer3 since those devices cannot be used.
- 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.

Conversion specifications of LS areas

The following indicates the conversion specifications of LS areas.

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	☞ Page 60 Conversion specifications of LS2032
LS2033	GS1	Base screen information	☞ Page 60 Conversion specifications of LS2033
LS2035	GS7	1-second binary counter	------

Conversion source LS area	Conversion destination device	Description	Remarks
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	------	------	Converts into the status where no devices have been set.

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.	------
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.

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.

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The following describes the copyright notice and agreement notice of open source software used in this product.

flex_string

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