MITSUBISHI

MELSOFT

Integrated FA Software

GT Converter2

Version3

Operating Manual

for GT Works3

SW1DNC-GTWK3-E

● SAFETY PRECAUTIONS ●

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

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

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

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

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

[Precaution for Conversion]

⚠ Caution

● All project data conversion for the GOT1000 or GOT-A900 series using GT Converter2 shall not be guaranteed.
Before downloading converted project data to the GOT, be sure to check the settings with GT Designer3 and correct them if necessary.
Failure to do so can lead to malfunction.

CAUTIONS FOR USING THIS SOFTWARE

1. Required PC memory

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

2. Free capacity of hard disk (virtual memory)

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

   The processing may be terminated by Windows®, if 50M bytes or more of free space cannot be secured within hard disk while running GT Designer.
   Secure enough free capacity of virtual memory within hard disk space in order to run the software.
   When enough free capacity cannot be secured, make sure to save projects frequently.

3. Error messages displayed while starting and editing

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

4. OS setting

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

INTRODUCTION

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

CONTENTS

APPENDICES

REVISIONS

MANUALS

The following table lists the manual relevant to this product.
Refer to each manual for any purpose.

■ 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 CD-ROM	SH-080866ENG (1D7MB9)
GT Designer3 Version1 Screen Design Manual (Functions) 1/2, 2/2	Stored in CD-ROM	SH-080867ENG (1D7MC1)
GT Simulator3 Version1 Operating Manual for GT Works3	Stored in CD-ROM	SH-080861ENG (1D7MB1)
GT Converter2 Version3 Operating Manual for GT Works3	Stored in CD-ROM	SH-080862ENG (1D7MB2)

■ Connection manuals

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

■ Extended and option function manuals

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

■ GT SoftGOT1000 manuals

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

■ GT16 manuals

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

■ GT15 manuals

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

■ GT14 manuals

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

■ GT12 manuals

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

■ GT11 manuals

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

■ GT10 manuals

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

■ List of Manuals for GT Designer3(GOT2000)

Refer to the Help and manuals for GT Designer3(GOT2000).

QUICK REFERENCE

■ Creating a project

Obtaining the specifications and operation methods of GT Designer3	GT Designer3 Version1 Screen Design Manual (Fundamentals) 1/2, 2/2
Setting available functions on GT Designer3	
Creating a screen displayed on the GOT	
Obtaining useful functions to increase efficiency of drawing	
Setting details for figures and objects	GT Designer3 Version1 Screen Design Manual (Functions) 1/2, 2/2
Setting functions for the data collection or trigger action	
Setting functions to use peripheral devices	
Simulating a created project on a personal computer	GT Simulator3 Version1 Operating Manual for GT Works3

■ Connecting a controller to the GOT

Obtaining information of Mitsubishi products applicable to the GOT	GOT1000 Series Connection Manual (Mitsubishi Products) for GT Works3
Connecting Mitsubishi products to the GOT	
Connecting multiple controllersto one GOT (Multi-channel function)	
Establishing communication between a personal computer and a controller via the GOT (FA transparent function)	
Obtaining information of Non-Mitsubishi products applicable to the GOT	• GOT1000 Series Connection Manual (Non-Mitsubishi Products 1) for GT Works3 • GOT1000 Series Connection Manual (Non-Mitsubishi Products 2) for GT Works3
Connecting Non-Mitsubishi products to the GOT	
Obtaining information of peripheral devices applicable to the GOT	GOT1000 Series Connection Manual (Microcomputer, MODBUS Products, Peripherals) for GT Works3
Connecting peripheral devices including a barcode reader to the GOT	

■ Transferring data to the GOT

Writing data to the GOT	GT Designer3 Version1 Screen Design Manual (Fundamentals) 1/2, 2/2
Reading data from the GOT	
Verifying a editing project to a GOT project	

■ Others

Obtaining specifications (including part names, external dimensions, and options) of each GOT	• GT16 User's Manual (Hardware) • GT16 Handy GOT User's Manual • GT15 User's Manual • GT14 User's Manual • GT12 User's Manual • GT11 User's Manual • GT11 Handy GOT User's Manual • GT10 User's Manual
Installing the GOT	
Operating the utility	• GT16 User's Manual (Basic Utility) • GT16 Handy GOT User's Manual • GT15 User's Manual • GT14 User's Manual • GT12 User's Manual • GT11 User's Manual • GT11 Handy GOT User's Manual • GT10 User's Manual
Configuring the gateway function	GOT1000 Series Gateway Functions Manual for GT Works3
Configuring the MES interface function	GOT1000 Series MES Interface Function Manual for GT Works3
Configuring the extended function and option function	GOT1000 Series User's Manual (Extended Functions, Option Functions) for GT Works3
Using a personal computer as the GOT	GT SoftGOT1000 Version3 Operating Manual for GT Works3

ABBREVIATIONS AND GENERIC TERMS

■ GOT

Abbreviations and generic terms			Description
GOT1000 Series	GT1695	GT1695M-X	Abbreviation of GT1695M-XTBA, GT1695M-XTBD
	GT1685	GT1685M-S	Abbreviation of GT1685M-STBA, GT1685M-STBD
	GT1675	GT1675M-S	Abbreviation of GT1675M-STBA, GT1675M-STBD
		GT1675M-V	Abbreviation of GT1675M-VTBA, GT1675M-VTBD
		GT1675-VN	Abbreviation of GT1675-VNBA, GT1675-VNBD
	GT1672	GT1672-VN	Abbreviation of GT1672-VNBA, GT1672-VNBD
	GT1665	GT1665M-S	Abbreviation of GT1665M-STBA, GT1665M-STBD
		GT1665M-V	Abbreviation of GT1665M-VTBA, GT1665M-VTBD
	GT1662	GT1662-VN	Abbreviation of GT1662-VNBA, GT1662-VNBD
	GT1655	GT1655-V	Abbreviation of GT1655-VTBD
	GT16		Abbreviation of GT1695, GT1685, GT1675, GT1672, GT1665, GT1662, GT1655, GT16 Handy GOT
	GT1595	GT1595-X	Abbreviation of GT1595-XTBA, GT1595-XTBD
	GT1585	GT1585V-S	Abbreviation of GT1585V-STBA, GT1585V-STBD
		GT1585-S	Abbreviation of GT1585-STBA, GT1585-STBD
	GT157□	GT1575V-S	Abbreviation of GT1575V-STBA, GT1575V-STBD
		GT1575-S	Abbreviation of GT1575-STBA, GT1575-STBD
		GT1575-V	Abbreviation of GT1575-VTBA, GT1575-VTBD
		GT1575-VN	Abbreviation of GT1575-VNBA, GT1575-VNBD
		GT1572-VN	Abbreviation of GT1572-VNBA, GT1572-VNBD
	GT156□	GT1565-V	Abbreviation of GT1565-VTBA, GT1565-VTBD
		GT1562-VN	Abbreviation of GT1562-VNBA, GT1562-VNBD
	GT155□	GT1555-V	Abbreviation of GT1555-VTBD
		GT1555-Q	Abbreviation of GT1555-QTBD, GT1555-QSBD
		GT1550-Q	Abbreviation of GT1550-QLBD
	GT15		Abbreviation of GT1595, GT1585, GT157□, GT156□, GT155□
	GT145□	GT1455-Q	Abbreviation of GT1455-QTBDE, GT1455-QTBD
		GT1450-Q	Abbreviation of GT1450-QLBDE, GT1450-QLBD
	GT14		Abbreviation of GT1455-Q, GT1450-Q
	GT1275	GT1275-V	Abbreviation of GT1275-VNBA, GT1275-VNBD
	GT1265	GT1265-V	Abbreviation of GT1265-VNBA, GT1265-VNBD
	GT12		Abbreviation of GT1275, GT1265
	GT115□	GT1155-Q	Abbreviation of GT1155-QTBDQ, GT1155-QSBDQ, GT1155-QTBDA, GT1155-QSBDA, GT1155-QTBD, GT1155-QSBD
		GT1150-Q	Abbreviation of GT1150-QLBDQ, GT1150-QLBDA, GT1150-QLBD
	GT11		Abbreviation of GT115□, GT11 Handy GOT,
	GT105□	GT1055-Q	Abbreviation of GT1055-QSBD
		GT1050-Q	Abbreviation of GT1050-QBBD
	GT104□	GT1045-Q	Abbreviation of GT1045-QSBD
		GT1040-Q	Abbreviation of GT1040-QBBD
	GT1030		Abbreviation of GT1030-LBD, GT1030-LBD2, GT1030-LBL, GT1030-LBDW, GT1030-LBDW2, GT1030-LBLW, GT1030-LWD, GT1030-LWD2, GT1030-LWL, GT1030-LWDW, GT1030-LWDW2, GT1030-LWLW, GT1030-HBD, GT1030-HBD2, GT1030-HBL, GT1030-HBDW, GT1030-HBDW2, GT1030-HBLW, GT1030-HWD, GT1030-HWD2, GT1030-HWL, GT1030-HWDW, GT1030-HWDW2, GT1030-HWLW
	GT1020		Abbreviation of GT1020-LBD, GT1020-LBD2, GT1020-LBL, GT1020-LBDW, GT1020-LBDW2, GT1020-LBLW, GT1020-LWD, GT1020LWD2, GT1020-LWL, GT1020-LWDW, GT1020-LWDW2, GT1020-LWLW
	GT10		Abbreviation of GT105□, GT104□, GT1030, GT1020

Abbreviations and generic terms				Description
GOT1000 Series	Handy GOT	GT16 Handy GOT	GT1665HS-V	Abbreviation of GT1665HS-VTBD
		GT11 Handy GOT	GT1155HS-Q	Abbreviation of GT1155HS-QSBD
			GT1150HS-Q	Abbreviation of GT1150HS-QLBD
	GT SoftGOT1000			Abbreviation of GT SoftGOT1000
GOT900 Series				Abbreviation of GOT-A900 series, GOT-F900 series
GOT800 Series				Abbreviation of GOT-800 series

■ Communication unit

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

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

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	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		GT15-BAT, GT11-50BAT	
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
		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
		For GT14	GT14-50PSCB, GT14-50PSGB, GT14-50PSCW, GT14-50PSGW
		For GT12	GT11-70PSCB, GT11-65PSCB
		For GT11	GT11-50PSCB, GT11-50PSGB, GT11-50PSCW, GT11-50PSGW, GT11H-50PSC
		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		GT11H-CNB-37S, GT16H-CNB-42S	
Emergency stop sw guard cover		GT11H-50ESCOV, GT16H-60ESCOV	
Memory loader		GT10-LDR	
Memory board		GT10-50FMB	
Panel-mounted USB port extension		GT14-C10EXUSB-4S, GT10-C10EXUSB-5S	

■ Software

Abbreviations and generic terms	Description
GT Works3	Abbreviation of the SW□DNC-GTWK3-E and SW□DNC-GTWK3-EA
GT Designer3	Abbreviation of screen drawing software GT Designer3 for GOT1000 series
GT Simulator3	Abbreviation of screen simulator GT Simulator3 for GOT1000/GOT900 series
GT SoftGOT1000	Abbreviation of monitoring software GT SoftGOT1000
GT Converter2	Abbreviation of data conversion software GT Converter2 for GOT1000/GOT900 series
GT Designer2 Classic	Abbreviation of screen drawing software GT Designer2 Classic for GOT900 series
GT Designer2	Abbreviation of screen drawing software GT Designer2 for GOT1000/GOT900 series
iQ Works	Abbreviation of iQ Platform compatible engineering environment MELSOFT iQ Works
MELSOFT Navigator	Generic term for integrated development environment software included in the SW□DNC-IQWK (iQ Platform compatible engineering environment MELSOFT iQ Works)
GX Works2	Abbreviation of SW□DNC-GXW2-E and SW□DNC-GXW2-EA type programmable controller engineering software
GX Simulator2	Abbreviation of GX Works2 with the simulation function
GX Simulator	Abbreviation of SW□D5C-LLT-E(-EV) type ladder logic test tool function software packages (SW5D5C-LLT (-EV) or later versions)
GX Developer	Abbreviation of SW□D5C-GPPW-E(-EV)/SW D5F-GPPW-E type software package
GX LogViewer	Abbreviation of SW□DNN-VIEWER-E type software package
PX Developer	Abbreviation of SW□D5C-FBDQ-E type FBD software package for process control
MT Works2	Abbreviation of motion controller engineering environment MELSOFT MT Works2 (SW□DNC-MTW2-E)
MT Developer	Abbreviation of SW□RNC-GSV type integrated start-up support software for motion controller Q series
MR Configurator2	Abbreviation of SW□DNC-MRC2-E type Servo Configuration Software
MR Configurator	Abbreviation of MRZJW□-SETUP□E type Servo Configuration Software
FR Configurator	Abbreviation of Inverter Setup Software (FR-SW□-SETUP-WE)
NC Configurator	Abbreviation of CNC parameter setting support tool NC Configurator
FX Configurator-FP	Abbreviation of parameter setting, monitoring, and testing software packages for FX3U-20SSC-H (SW□D5C-FXSSC-E)
FX3U-ENET-L Configuration tool	Abbreviation of FX3U-ENET-L type Ethernet module setting software (SW1D5-FXENETL-E)
RT ToolBox2	Abbreviation of robot program creation software (3D-11C-WINE)
MX Component	Abbreviation of MX Component Version□ (SW□D5C-ACT-E, SW□D5C-ACT-EA)
MX Sheet	Abbreviation of MX Sheet Version□ (SW□D5C-SHEET-E, SW□D5C-SHEET-EA)
LCPU Logging Configuration Tool	Abbreviation of LCPU Logging Configuration Tool (SW1DNN-LLUTL-E)

■ License key (for GT SoftGOT1000)

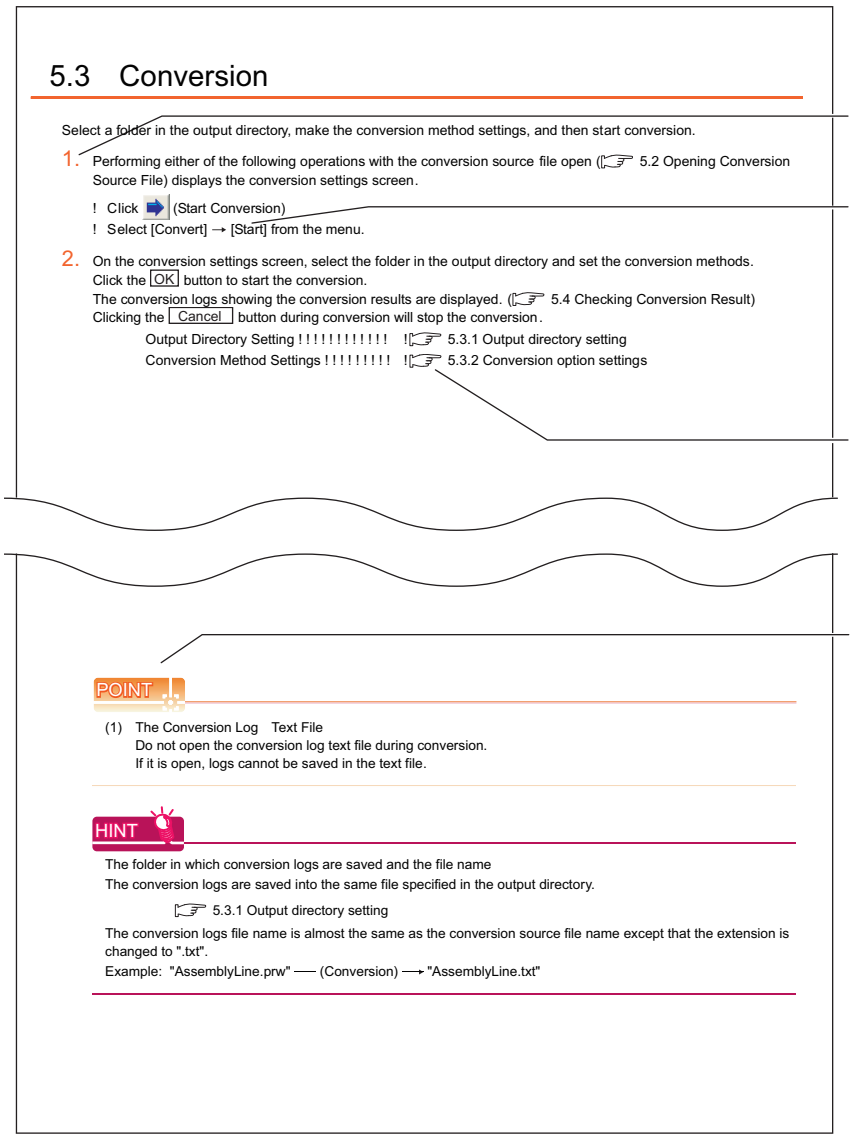
Abbreviations and generic terms	Description
License	GT15-SGTKEY-U, GT15-SGTKEY-P

■ Others

Abbreviations and generic terms	Description
IAI	Abbreviation of IAI Corporation
AZBIL	Abbreviation of Azbil Corporation (former Yamatake Corporation)
OMRON	Abbreviation of OMRON Corporation
KEYENCE	Abbreviation of KEYENCE CORPORATION
KOYO EI	Abbreviation of KOYO ELECTRONICS INDUSTRIES CO., LTD.
SHARP	Abbreviation of Sharp Manufacturing Systems Corporation
JTEKT	Abbreviation of JTEKT Corporation
SHINKO	Abbreviation of Shinko Technos Co., Ltd.
CHINO	Abbreviation of CHINO CORPORATION
TOSHIBA	Abbreviation of TOSHIBA CORPORATION
TOSHIBA MACHINE	Abbreviation of TOSHIBA MACHINE CO., LTD.
HITACHI IES	Abbreviation of Hitachi Industrial Equipment Systems Co., Ltd.
HITACHI	Abbreviation of Hitachi, Ltd.
FUJI	Abbreviation of FUJI ELECTRIC CO., LTD.
PANASONIC	Abbreviation of Panasonic Corporation
PANASONIC INDUSTRIAL DEVICES SUNX	Abbreviation of Panasonic Industrial Devices SUNX Co., Ltd.
YASKAWA	Abbreviation of YASKAWA Electric Corporation
YOKOGAWA	Abbreviation of Yokogawa Electric Corporation
ALLEN-BRADLEY	Abbreviation of Allen-Bradley products manufactured by Rockwell Automation, Inc.
GE	Abbreviation of GE Intelligent Platforms
LS IS	Abbreviation of LS Industrial Systems Co., Ltd.
SCHNEIDER	Abbreviation of Schneider Electric SA
SICK	Abbreviation of SICK AG
SIEMENS	Abbreviation of Siemens AG
RKC	Abbreviation of RKC INSTRUMENT INC.
HIRATA	Abbreviation of Hirata Corporation
MURATEC	Abbreviation of Muratec products manufactured by Muratec Automation Co., Ltd.
PLC	Abbreviation of programmable controller
Temperature controller	Generic term for temperature controller manufactured by each corporation
Indicating controller	Generic term for indicating controller manufactured by each corporation
Control equipment	Generic term for control equipment manufactured by each corporation
CHINO controller	Abbreviation of indicating controller manufactured by CHINO CORPORATION
PC CPU module	Abbreviation of PC CPU Unit manufactured by CONTEC CO., LTD
GOT (server)	Abbreviation of GOTs that use the server function
GOT (client)	Abbreviation of GOTs that use the client function
Windows® font	Abbreviation of TrueType font and OpenType font available for Windows® (Differs from the True Type fonts settable with GT Designer3)
Intelligent function module	Indicates the modules other than the PLC CPU, power supply module and I/O module that are mounted to the base unit
MODBUS® /RTU	Generic term for the protocol designed to use MODBUS® protocol messages on a serial communication
MODBUS® /TCP	Generic term for the protocol designed to use MODBUS® protocol messages on a TCP/IP network

How to use this manual

Following symbols are used in this manual.



1. → *2.* → *3.* . . . .
Indicates the operation steps.

Brackets used for the menu and items differ.

[ ] : Refers to an item displayed on the computer screen or the GOT screen.

▭ : Refers to a button displayed on the computer screen or the GOT screen, or a key of the computer keyboard.

Shows the items including detailed explanation (manual and its chapter, section, item).

POINT Refers to information required for operation.

HINT Refers to information useful for operation.

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

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

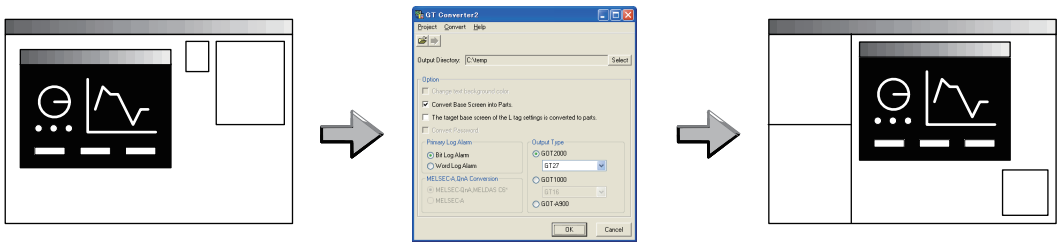
1.1 Features

GT Converter2 is software that converts project data created by existing screen editor software into those available for use on GT Designer3 or GT Designer2 Classic.

■ Compatible with Digital Electronics Corporation's screen editor software

☞ 3.1 Compatible File Formats

Project data created by Digital Electronics Corporation's GP-PRO/PB Ⅲ series screen editor software can be converted into GT Designer3 or GT Designer2 Classic project data (GOT2000 format, GOT1000 format, or GOT-A900 format).



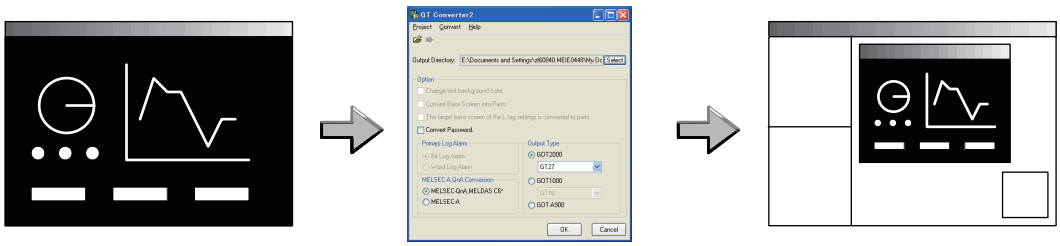
GP-PRO/PBⅢ series　　GT Converter2　　GT Designer3

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.

■ Compliance with GOT800 series screen editor software

☞ 3.1 Compatible File Formats

Project data created by the GOT800 series screen editor software, SW3NIW-A8GOTP, can be converted into GT Designer3 or GT Designer2 Classic project data (GOT2000 format, GOT1000 format, or GOT-A900 format).



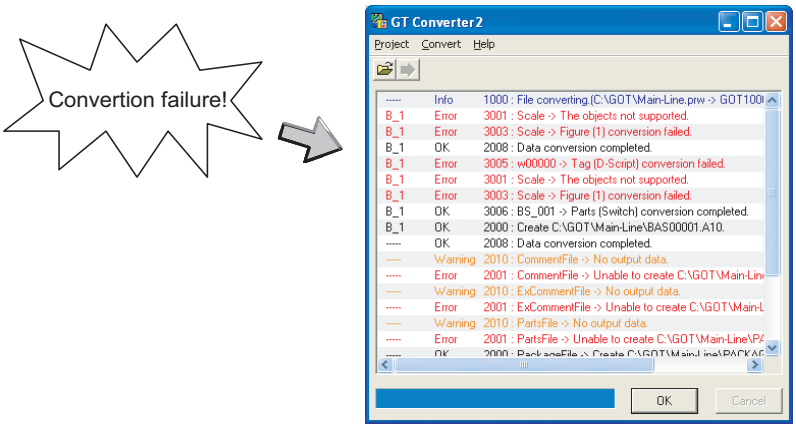
SW3NIW-A8GOTP　　GT Converter2　　GT Designer3

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

☞ 5.4 Checking Conversion Result

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



2. SYSTEM CONFIGURATION

Because GT Converter2 is installed into the same computer where GT Designer3 is installed, the system configuration is the same as that of GT Designer3.

System Configuration• • • ☞ GT Designer3 Version□ Screen Design Manual (Fundamentals)

2.1 Operating Environment

Item	Description	
Personal computer	PC/AT compatible personal computer that Windows® runs on	
Operating system	Microsoft® Windows® 2000 Professional Service Pack4 (English versions)*1 Microsoft® Windows® XP Professional Service Pack3 or later (English versions)*1 *3 *4 Microsoft® Windows® XP Home Edition Service Pack3 or later (English versions)*1 *3 *4	Microsoft® Windows Vista® Ultimate Service Pack1 or later (English version)*2 *3 *4 Microsoft® Windows Vista® Enterprise Service Pack1 or later (English version)*2 *3 *4 Microsoft® Windows Vista® Business Service Pack1 or later (English version)*2 *3 *4 Microsoft® Windows Vista® Home Premium Service Pack1 or later (English version)*2 *3 *4 Microsoft® Windows Vista® Home Basic Service Pack1 or later (English version)*2 *3 *4 Microsoft® Windows® 7 Ultimate (English versions)*2 *3 *5 *6 *7 Microsoft® Windows® 7 Enterprise (English versions)*2 *3 *5 *6 *7 Microsoft® Windows® 7 Professional (English versions)*2 *3 *5 *6 *7 Microsoft® Windows® 7 Home Premium (English versions)*2 *3 *5 *7 Microsoft® Windows® 7 Starter (English versions)*2 *3 *4 Microsoft® Windows® 8 Enterprise Premium (English versions)*2 *3 *5 *7*8*9 Microsoft® Windows® 8 Home Premium (English versions)*2 *3 *5 *7*8*9 Microsoft® Windows® 8 (English versions)*2 *3 *5 *7*8
CPU	1GHz or more	
Memory	512MB or more	32-bit OSs: 1GB or more recommended 64-bit OSs: 2GB or more recommended
Display*3	Resolution XGA(800 × 600 dots) or more	
Hard disk space	For installation: 10MB or more For execution: 50MB or more	
Display color	High Color (16 bits) or more	
Others	The mouse, keyboard, printer, and CD-ROM drive must be compatible with the above OS.	

*1: Administrator authority is required for installing GT Converter2.
*2: When installing GT Converter2, the administrator authority is required.
*3: The following functions are not supported.
- Activating the application with Windows® compatibility mode
- Fast user switching
- Change your desktop themes (fonts)
- Remote desktop
- DPI setting other than the normal size (For Windows® XP, Windows Vista®)
- Setting the size other than [Smaller - 100%] for the characters and images on the screen (For Windows® 7, Windows® 8)

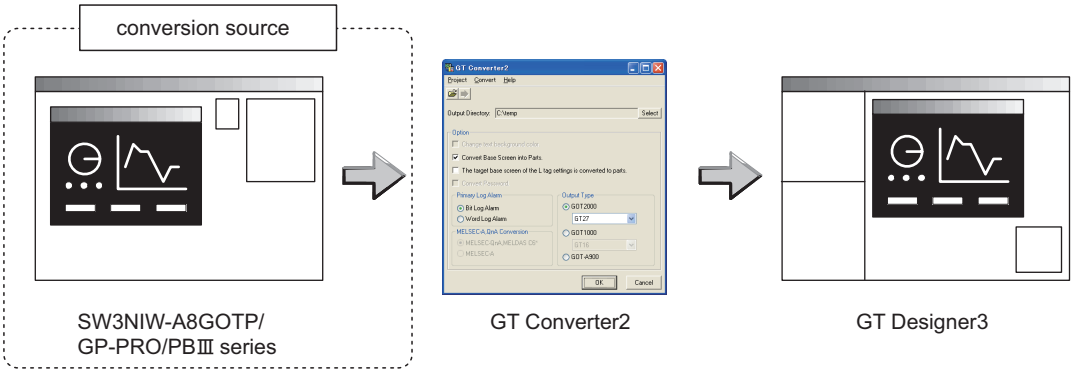
*4: Only the 32-bit OS is available.
*5: The 32-bit OS and the 64-bit OS are available.
*6: Windows XP Mode is not supported.
*7: Windows Touch and Touch are not supported.
*8: Modern UI style is not supported.
*9: Hyper-V is not supported.

3. SPECIFICATIONS

3.1 Compatible File Formats

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

■ Conversion source file format



(1) Digital Electronics Corporation's screen editor software

The following can be specified as conversion source file formats.

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

POINT

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

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

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

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

(2) GOT800 Series screen editor software

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

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

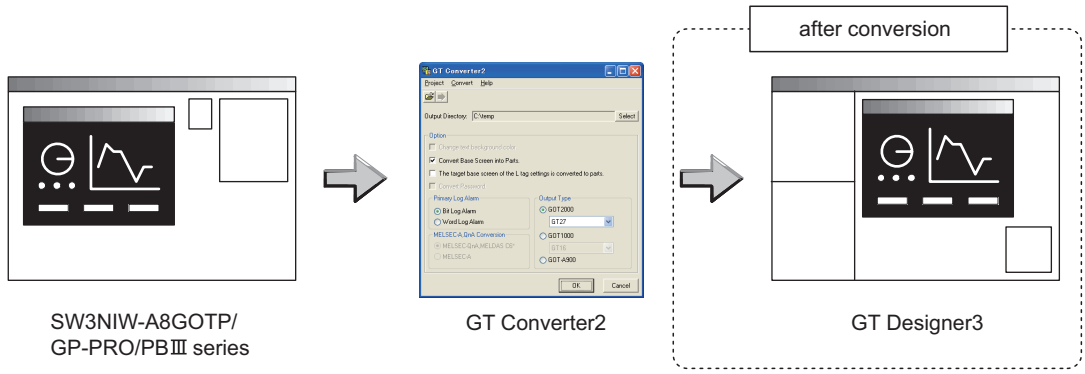
POINT

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



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

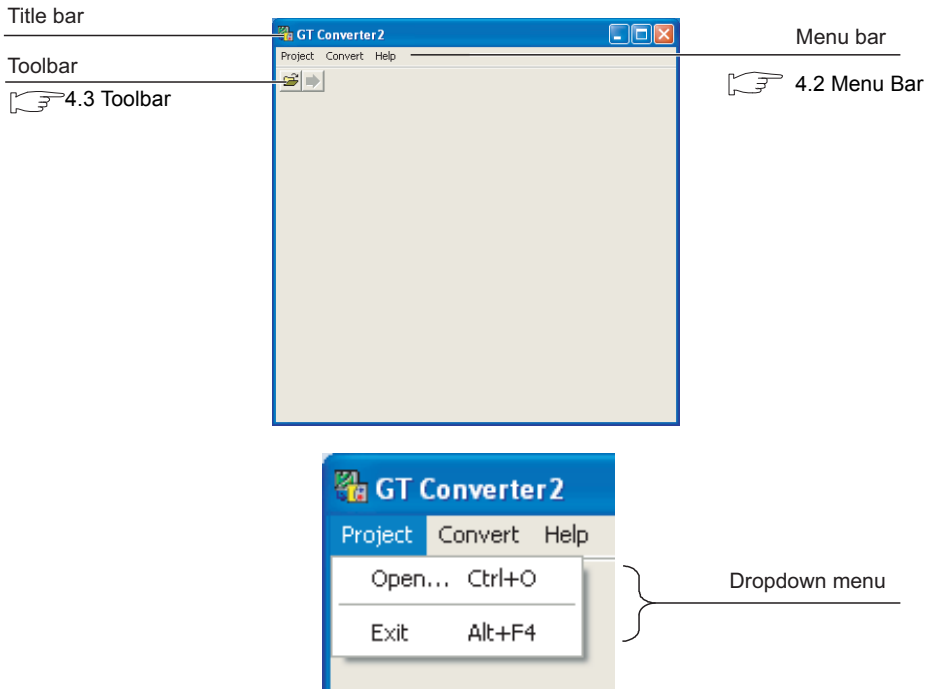
When checking the data size of the file after conversion, save the project data on GT Designer3 once, and then re-open the saved project data.
The data size may not be displayed properly if this is not performed.

4. GT CONVERTER2 SCREEN LAYOUT

4.1 Screen Layout and Basic Operations

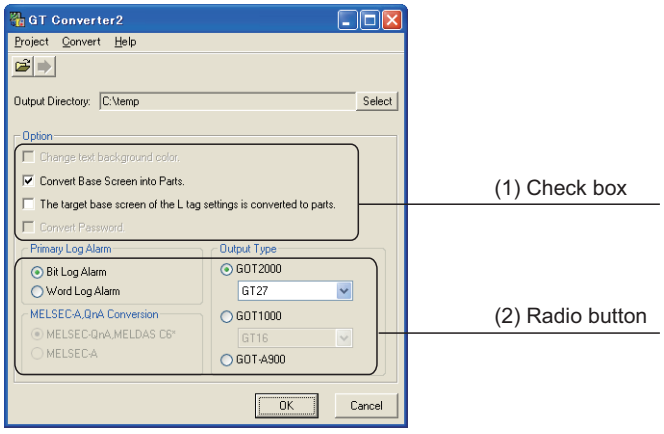
4.1.1 Screen layout

The screen is laid out as shown below.



4.1.2 Basic operations

Basic operations are explained here.



(1) Check box

To execute an item, click ☐ to put the ✓ mark.

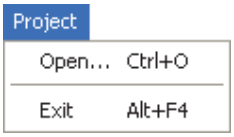
(2) Radio button

Click ○ for the item to be selected.

4.2 Menu Bar

The following commands are provided on the menu bar.

Project



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

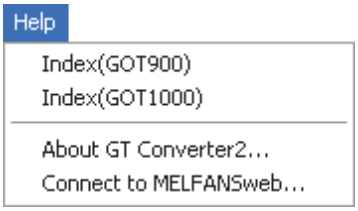
☞ 5. GT CONVERTER2 OPERATION METHODS

Conversion

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

☞ 5. GT CONVERTER2 OPERATION METHODS

Help



The help menu contains functions of viewing the PDF manual related to the GT Designer3 and checking the software version.

☞ 4.4 How to use Help

4.3 Toolbar

The following toolbar are provided.

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

4.4 How to use Help

Help is used for referring to the GT 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.

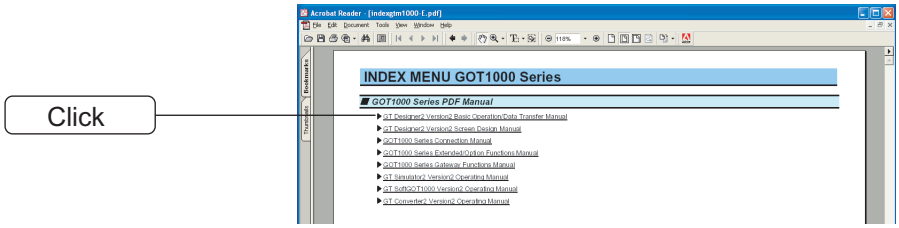
■ Operation method

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.
[Connect to MELFANSweb...]	Connects to the Mitsubishi Electric Factory Automation Global Website.

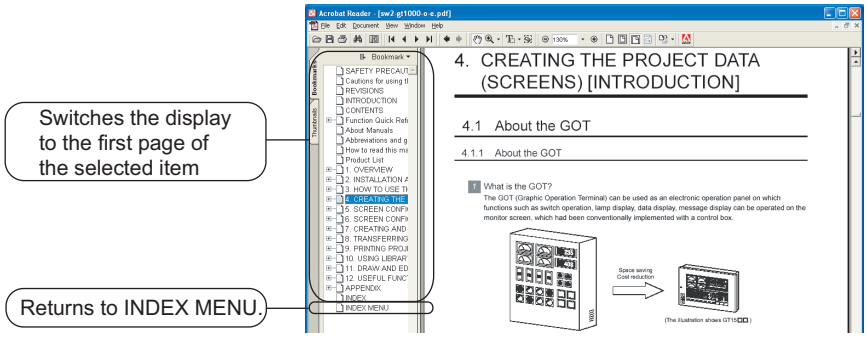
■ PDF manual viewing procedure (When [Index (GOT1000)] / [Index (GOT900)] is selected.)

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



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

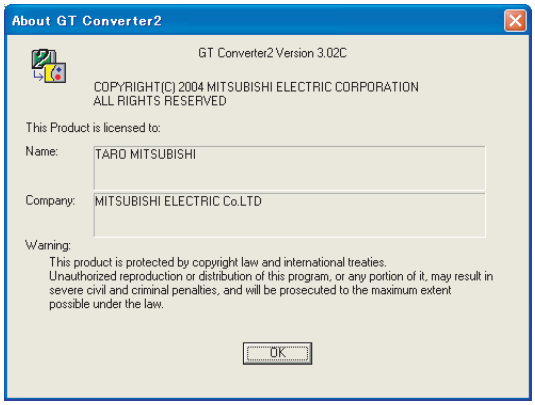
2. The selected manual is displayed.
(For details of the Adobe® Reader® operation method, refer to the help of Adobe® Reader®.)



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

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

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



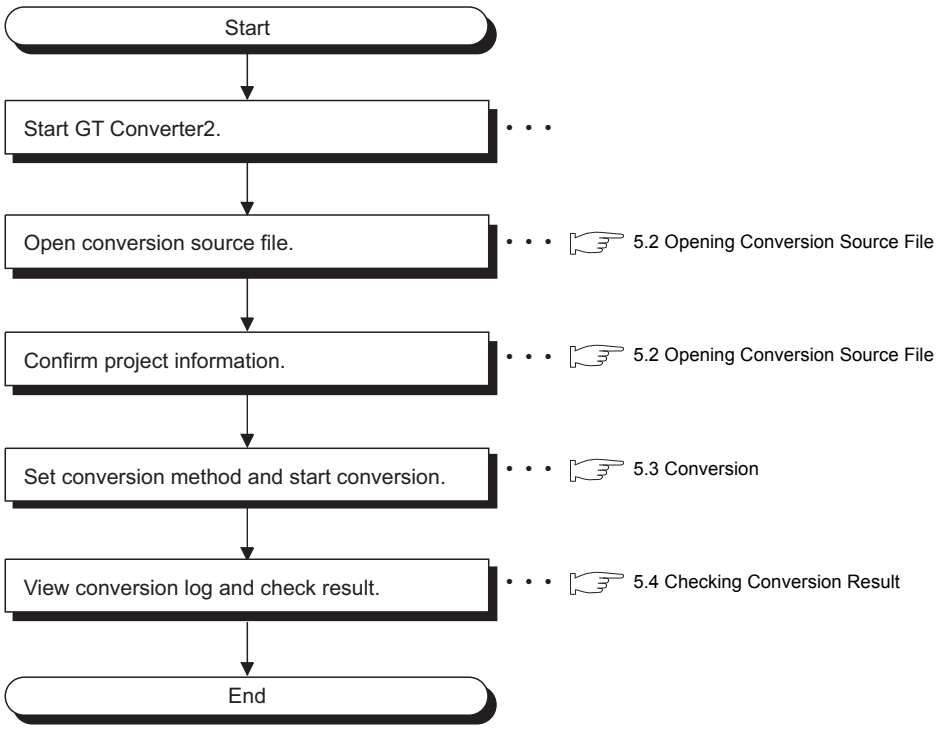
(Example: When the version is 3.02C)

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.



POINT

To Reuse Project Data Created for A64GOT or A77GOT

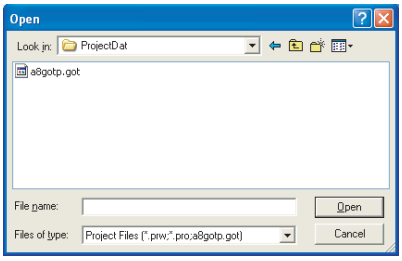
Using SW3NIW-A8GOTP, convert the project data for A64GOT or A77GOT into GOT800 file format.
The project data in GOT800 format can be converted into GT Designer2 project data using GT Converter2.
Refer to the following manual for the details.

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

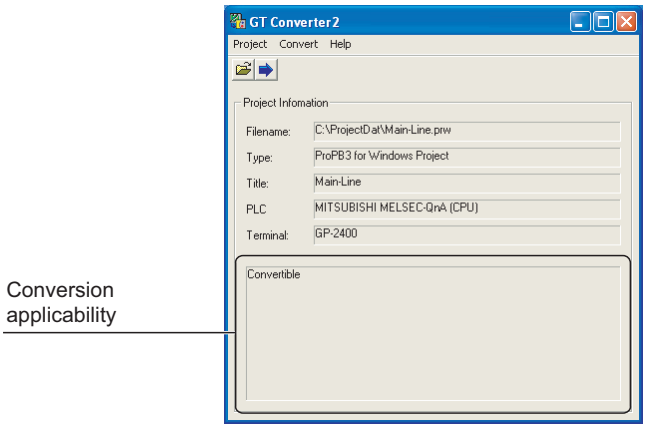
Open a conversion source file.

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.



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/PBIII (DOS version). A8GOTP Project : Displayed when the conversion source file was created by SW3NIW-A8GOTP.
Title	Displays the comment (GP-PRO/PBIII 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/PBIII series) or GOT type (SW3NIW-A8GOTP) set for the project.
Conversion applicability	The conversion source file can be converted when "Convertible" is displayed. Conversion is not allowed when "Unconvertible" (*1) is displayed.

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

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

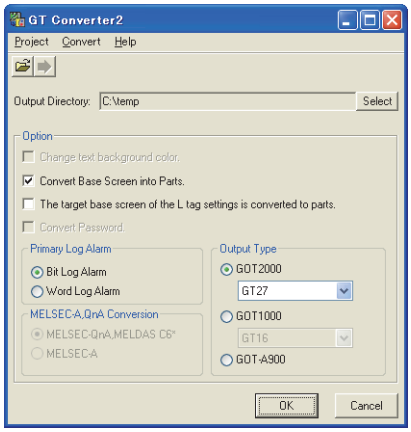
5.3 Conversion

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

1. Performing either of the following operations with the conversion source file open (☞ 5.2 Opening Conversion Source File) displays the conversion settings screen.
   - Click  (Start Conversion)
   - Select [Convert] → [Start] from the menu.

2. On the conversion settings screen, select the folder in the output directory and set the conversion methods. Click the OK button to start the conversion.
   The conversion logs showing the conversion results are displayed. (☞ 5.4 Checking Conversion Result)
   Clicking the Cancel button during conversion will stop the conversion.

   Output Directory Setting • • • • • • • • • • • • • ☞ 5.3.1 Output directory setting
   Conversion Method Settings • • • • • • • • • • ☞ 5.3.2 Conversion option settings



POINT

(1) Converted File Types

The file type of the converted files varies depending on the conversion format settings (☞ 5.3.2 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>.
GOT-A900	After conversion, the following 8 types of files are output. • "A9GOTP.GOT" • "PARTS00.A9" • "BAS00001.A9" to "BAS08999.A9" • "WIN00001.A9" to "WIN08999.A9" • "COMMEN00.A9" • "PACKAGE.A9" • "GOTWAV00.A9" • "Script\Sc<Sequence number>.txt" (Output into "Script" folder) A number greater than 1 is placed in <Sequence number>.Example: "AssemblyLine.prw" ⟶ (Conversion) ⟶ "A9GOTP.GOT"

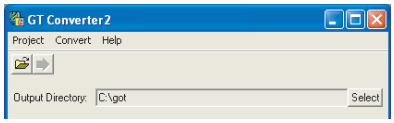
(2) Handling of Converted Files

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

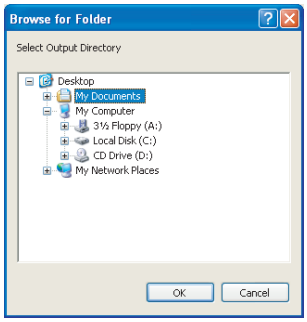
5.3.1 Output directory setting

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

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



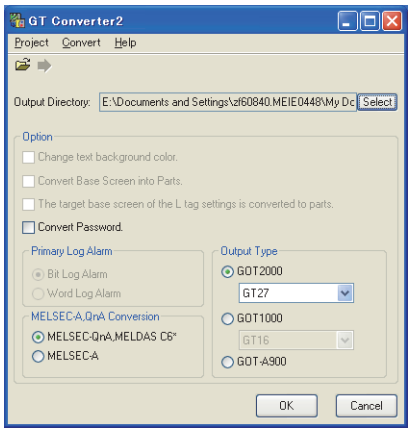
2. Select a folder on the Browse for Folder screen and click the OK button.



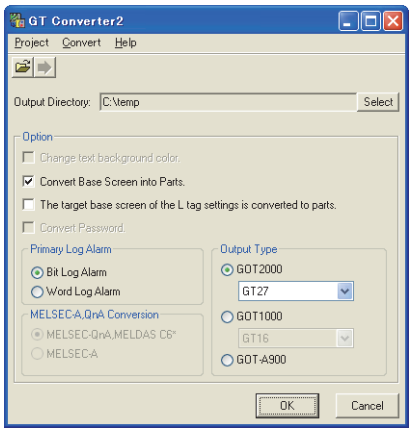
5.3.2 Conversion option settings

Set conversion methods on the conversion settings screen.

1. Make the following settings.



(When converting the project data for GOT800 series.)



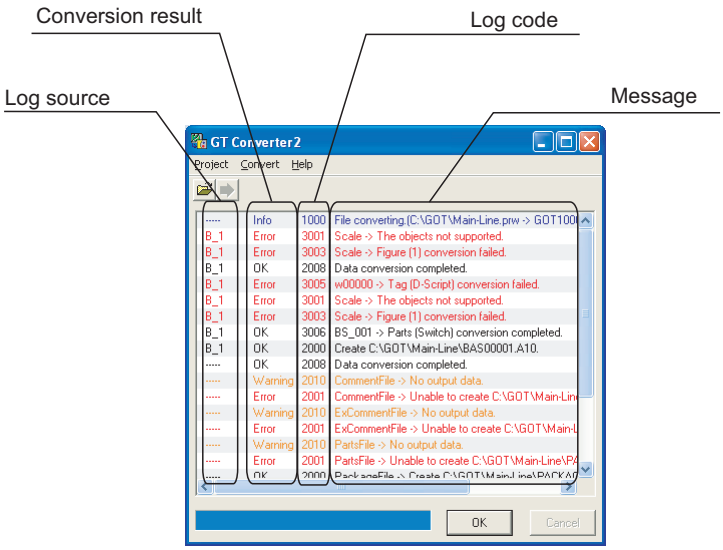
(When converting the project data for GP-PRO/PB Ⅲ series.)

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

○: Applicable, ×: Not applicable

5.4 Checking Conversion Result

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



Item	Description
Log source	Displays the conversion source. (☞ ■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 (☞ ■Conversion source object list) and messages (☞ 5.4.1 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. (☞ 5.2 Opening Conversion Source File)
Cancel button	Stops current conversion.

POINT

(1) The Conversion Log Text File

Do not open the conversion log text file during conversion.
If it is open, logs cannot be saved in the text file.

HINT

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.

☞ 5.3.1 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
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/PBⅢ series' editing screen are displayed.

5.4.1 Conversion log list

The following table lists conversion logs and corresponding corrective actions.

Log code	Message	Conversion result	Corrective action
1000	File converting.	Info	---
1001	Conversion completed.	Info	---
1002	Conversion Interrupted.	Error	Do not press the Cancel button during conversion.
1003	Conversion failed.	Error	Correct the error occurred before this error.
1004	Error(<Exception code>).	Error	After the conversion, modify the error screen with GT Designer 2.
1005	G1 file created.	OK	---
1006	G1 file creation error.	Error	Perform the following before conversion. • Exit the other running applications. • When using WindowsNT® Workstation4.0, Windows®2000 Professional, Windows®XP, Windows Vista®, Windows® 7, or Windows® 8, perform conversion as a user specified in the Administrator authority (a PC administrator). • Change the output target. • Restart Microsoft® Windows®.
1007	File reading error.	Error	Perform the following before conversion. • Exit the other running applications. • When using WindowsNT® Workstation4.0, Windows®2000 Professional, Windows®XP, Windows Vista®, Windows® 7, or Windows® 8, perform conversion as a user specified in the Administrator authority (a PC administrator). • Change the output target. • Restart Microsoft® Windows®.
1008	Failed to create temporary directory.	Error	Perform the following before conversion. • Restart GT Converter2. • Exit the other running applications. • When using WindowsNT® Workstation4.0, Windows®2000 Professional, Windows®XP, Windows Vista®, Windows® 7, or Windows® 8, perform conversion as a user specified in the Administrator authority (a PC administrator). • 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. • When using WindowsNT® Workstation4.0, Windows®2000 Professional, Windows®XP, Windows Vista®, Windows® 7, or Windows® 8, perform conversion as a user specified in the Administrator authority (a PC administrator). • Change the output target. • Restart Microsoft® Windows®.
2000	Create "<path>".	OK	---
2001	Unable to create "<path>".	Error	Correct the error occurred before this error.
2002	Device conversion error.	Warning	After the conversion, set the device of the error object again with GT 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.

(Continued to next page)

Log code	Message	Conversion result	Corrective action
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	---
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.

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	(Conversion time <# of seconds> sec.)	Info	---
-	> Initialized a result display file	Info	---
-	> 2 or more alarm history sprites cannot be placed on the same screen	Info	After the conversion, correct the error in the data shown in the message with GT 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 A (funcA_main.exe 5.60.00	Info	---
-	=== Sprite data will be converted	Info	---
-	=== Sprite figure data will be converted	Info	---
-	=== Screen index will be created	Info	---
-	=== Figure data will be converted	Info	---
-	### Project/index creation phase	Info	---
-	### Package information file creation phase	Info	---
-	### All screen common setting file creation phase	Info	---
-	### Drawing-unrelated screen conversion phase	Info	---
-	### Drawing-related screen conversion phase	Info	---
-	### Temporary file merging phase	Info	---
-	### PRO file reading phase	Info	---
-	### Initialization processing	Info	---
-	B Screen No. <Screen No.> Conversion initiation	Info	---
-	B Screen No. <Screen No.> Conversion termination	Info	---
-	Tag: Convert A-tag into Alarm List/User Alarm	Info	---
-	Tag: Convert C-tag into Time Display	Info	---

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	Tag: Convert K-tag into Numerical Input	Info	---
-	Tag: Convert N-tag into Numerical Display	Info	---
-	Tag: Convert Q-tag into Alarm History	Info	---
-	Tag: Convert a-tag into Alarm List/User Alarm	Info	---
-	Failed to convert devices	Info	After the conversion, correct the error in the data shown in the message with GT 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®.
-	(Conversion time <# of seconds> sec.)	Info	---
-	*** Conversion of SW1 version is not supported	Info	Before conversion, convert the project data to the GOT800 format with SW3NIW-A8GOTP.

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	*** Getting file information...	Info	---
-	> Converting into M0 device	Info	---
-	> Exceeded the maximum number of characters (12) used for a file name	Info	After the conversion, correct the error in the data shown in the message with GT 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	

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	XXX Failed to secure the work area XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Unable to write data to a result display file XXX	Info	
-	XXX Failed to get row information XXX	Info	
-	XXX Failure XXX	Info	After the conversion, correct the error in the data shown in the message with GT Designer3.
-	XXX Failure XXX (<coordinate>,<coordinate> - <coordinate>,<coordinate>)	Info	
-	XXX Initialization processing failed XXX	Info	Perform the following before conversion. • Exit the other running applications. • Restart Microsoft® Windows®.
-	XXX Detected an improperly set device XXX	Info	After the conversion, correct the error in the data shown in the message with GT 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	

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	xxx Failed to register sprite information with memory save xxx	Info	After the conversion, correct the error in the data shown in the message with GT 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	---
-	=== System information will be converted	Info	---
-	=== Sprite figure data will be converted	Info	---
-	=== Device data will be converted	Info	---
-	=== Device setting array will be converted	Info	---
-	=== Hard copy setting will be converted	Info	---
-	=== Bar code will be converted	Info	---
-	=== Password will be converted	Info	---
-	=== Package information will be converted	Info	---
-	=== Header will be converted	Info	---
-	=== Monitor setting data will be registered	Info	---
-	=== Report common setting data will be converted	Info	---
-	=== Logging data will be converted	Info	---
-	=== Print data will be converted	Info	---
-	=== Print format will be converted (dummy)	Info	---
-	=== Screen/Station No. Switching will be converted	Info	---

(Continued to next page)

Log code	Message	Conversion result	Corrective action
-	=== Screen common items will be converted	Info	---
-	=== Detailed comment will be converted	Info	---
-	=== Status observation will be converted	Info	---
-	=== Figure/sprite data will be converted	Info	---
-	=== Header of an all screen common setting file will be converted	Info	---
-	=== Operation panel will be converted	Info	---
-	=== Parts data will be converted	Info	---
-	!!! No password conversion due to the conversion options	Info	For converting the password, check [Convert Password.] in the conversion option setting. (☞ 5.3.2 Conversion option settings)
-	### Project index table creation	Info	---
-	### Package information file conversion	Info	---
-	### Base/window file conversion	Info	---
-	### Report setting file conversion	Info	---
-	### All screen common setting file conversion	Info	---
-	### Comment file conversion	Info	---
-	### HQ text file conversion	Info	---
-	### Part file conversion	Info	---
-	### Initialization processing	Info	---
-	### 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	

(Continued to next page)

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

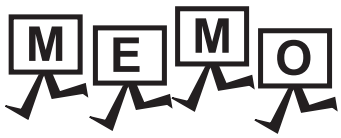
(Continued to next page)

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

5.5 Exiting GT Converter2

Exit GT Converter2.

1. Either of the following operations exits GT Converter2.
   - Select the [Project] → [Exit] from the menu.
   - Click  on the title bar.


MEMO

APPENDICES

Appendix1 Conversion Specifications for GOT800 Series

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

POINT

(1) Precautions for data conversion
GT Converter2 will not be liable for the damage caused by data conversion, from the existing data to 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.

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

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

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

☞ 5.4 Checking Conversion Result

Appendix.1.1 Graphics Conversion specification

All graphics convertible.

■ Restrictions

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

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

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

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

The project data for figures that are converted as the library data cannot change the attributes for display of GT 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.

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	○	------
ASCII Input	○	------
Window display position	○	------
Data List Display	○	------
Alarm History Display	○	------

○ : Convertible, × : Inconvertible

Appendix2 Conversion Specifications for GP-PRO/PB III Series

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

POINT

(1) Precautions for data conversion
GT Converter2 will not be liable for the damage caused by data conversion, from the existing data to 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.

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

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

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

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

☞ 5.4 Checking Conversion Result

Appendix.2.1 Conversion specifications of project data

■ Restrictions of project data

The following describes the restrictions related to project data conversion.

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

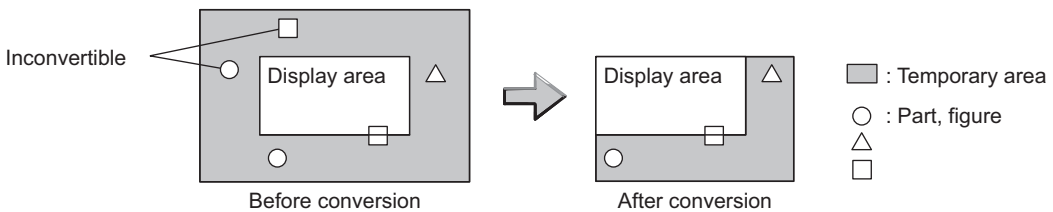
(b) When the device has been assigned to the control address of a text table, the device in GOT2000 format or GOT1000 format is converted into a Language Switch device.
The device in GOT-A900 format is inconvertible.

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

☞ 5.3.2 Conversion option settings

(d) 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.

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



■ Conversion specifications of GP system setting

(1) Restrictions

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

HINT

How to convert screen setup and screen number

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

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

GT Designer3 setting

- Base screen switch device GD100

Script setting example

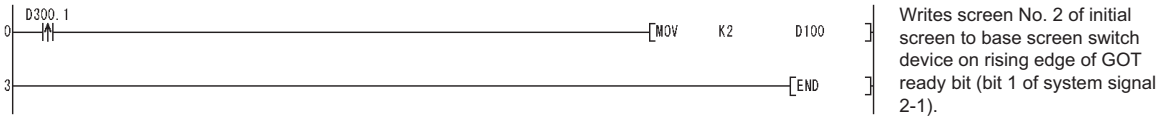
Item	Description	
Data range	Unsigned BIN16	
Trigger type	Rise	
Trigger device	GS0.b4	
Script	[w:GD100] = 2;	//Writes screen No. 2 of initial screen //to base screen switching device.

(2) 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



■ Conversion specifications of alarm data

(1) Restrictions

The following describes the restrictions related to alarm data conversion.

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

☞ 5.3.2 Conversion option settings

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

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

(2) Conversion specifications of alarm data

The following indicates the conversion specifications of alarm data.

Alarm data item	Conversion applicability	Conversion destination *1	Remarks
Alarm Message	○	• 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. ☞ ■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)	

○ : Convertible, × : Inconvertible

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

■ Conversion specifications of filing setting

(1) Restrictions

The setting items related to a memory card are inconvertible.

■ Conversion specifications of text tables

(1) Restrictions

The following describes the restrictions related to text table conversion.

(a) 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.

(b) 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.

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

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

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

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

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

(2) Conversion specifications of text tables

The following indicates the conversion specifications of text tables.

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

○ : Convertible, × : Inconvertible

■ Conversion specifications of screen types

(1) Restrictions

The following describes the restrictions related to screen type conversion.

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

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

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

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

(e) Text screens with multi-language setting are not converted.
After conversion, set them as basic comments or comment groups on the GT Designer3.

(2) Conversion specifications of screen types

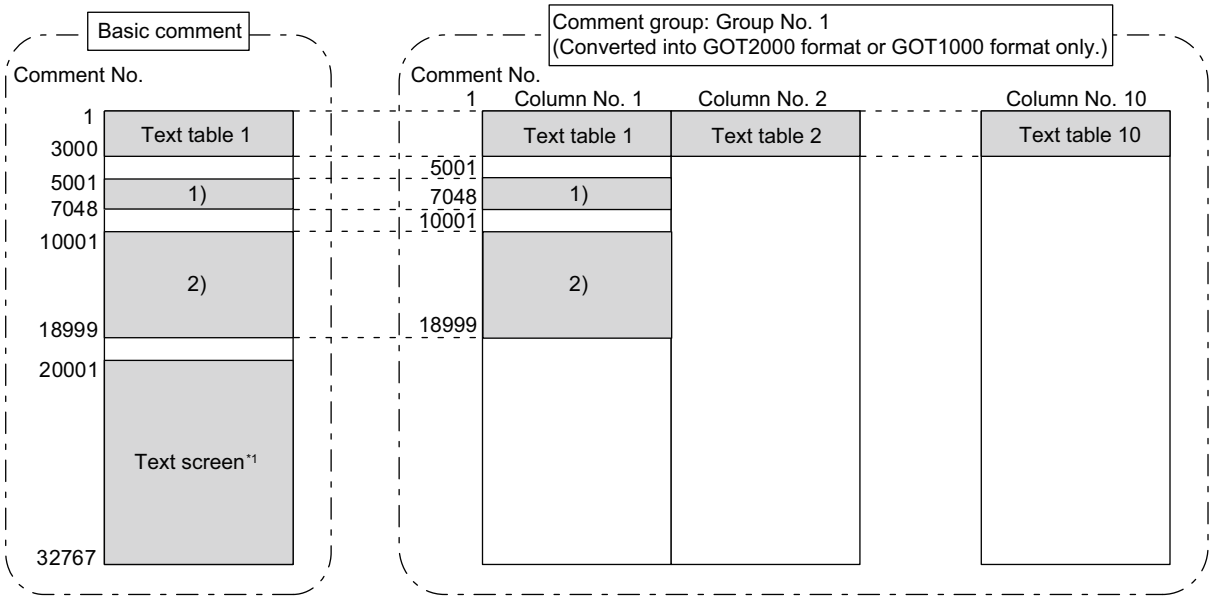
The following indicates the conversion specifications of screen types.

Screen information item	Conversion applicability	Conversion destination	Remarks
Base screen	○	Base screen and parts	The conversion destination changes, depending on the setting on the Conversion setting screen. (☞ 5.3.2 Conversion option settings Base screen No. : 1 to 8999 Parts No. : 1 to 8999
Mark screen	×	------	Mark screens are inconvertible. Since parts of GT 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. ☞ ■Basic comment and comment group conversion
Image Library screen	○	Parts	Parts No.: 10001 to 18999
Video screen	×	------	------
Window screen	○	Window screen	Window screen No.: 1 to 8999

○ : Convertible, × : Inconvertible

■ 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 . . . . . ☞ ■Conversion specifications of text tables
Bit/Word Log Alarm setting . . . . . ☞ ■Conversion specifications of alarm data
Alarm Message Display/Alarm Summary setting . ☞ ■Conversion specifications of alarm data
Text screen . . . . . ☞ ■Conversion specifications of screen types

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				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

(Continued to next page)

Conversion source GP type		Conversion destination GOT type			
Series name	Model name	GOT2000 format	GOT1000 format		GOT-A900 format
			GT16	GT15	
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
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				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.

Appendix.2.3 PLC type

The following indicates the conversion specifications of the PLC types.
When the conversion source PLC type is inconvertible, the project information screen shows that the PLC type is inconvertible (☞ 5.2 Opening Conversion Source File [Procedure 3]) , and then the whole project data will not be converted.

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	×	×	------

(Continued to next page)

○ : Convertible, × : Inconvertible

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	×	×	------
	HIDIC-S10α Series	×	×	------
	HIDIC-S10α (JPCN1)	×	×	------
	HIZAC-EC 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	×	×	-----
Digital Electronics Corporation	Memory Link Ethernet type	○	○	Microcomputer
	Memory Link SIO type	○	○	Microcomputer

○ : Convertible, × : Inconvertible

Appendix.2.4 Screen information

■ Restrictions

The following describes the restrictions related to screen information conversion.

(1) 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.

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

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

Appendix.2.5 Graphic data

■ Restrictions

The following describes the restrictions related to graphic data conversion.

(1) Blink settings are inconvertible.

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

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

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.

○ : Convertible, × : Inconvertible

■ Restrictions

The following describes the restrictions related to tag information conversion.

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

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

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

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

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

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

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

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

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

(10) Q-tags will be converted into alarm history.

(11) It is not converted into an extended alarm history.

(12) 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	------
l-tag (Library Status Display)	○	Parts Display	------
M-tag (Mark Display)	×	------	M-tag is inconvertible as well as Mark screen.
N-tag (Numeric Display)	○	Numerical Display	------
n-tag (Alarm Range Display)	×	------	------
P-tag (Numeric Display in Pre-designed Format)	○	Numerical Display	Can be converted to GOT1000 format only. Cannot be converted to GOT-A900 format.
Q-tag (Alarm Summary Display)	○	• 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. Appendix 2.6 ■Conversion specifications of action settings set for Mode/Special of T-tag

○ : Convertible, × : Inconvertible

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Tag information item	Conversion applicability	Conversion destination	Remarks
t-tag (Selector Switch Input)	×	------	------
Tih-tag (Inching Function)	×	------	------
Tiw-tag (Inching Function)	×	------	------
U-tag (Window Display)	×	------	------
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	------

○ : Convertible, × : Inconvertible

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

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

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

■ 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

■ Restrictions

The following describes the restrictions related to parts information conversion.

(1) Parts information comments are inconvertible.

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

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

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

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

■ 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	------
Special function switch*3	○	Key code switch	------
Toggle switch*3	○	Bit switch	------
Lamp*3	○	Lamp display	------
4-State Lamp	×	------	------
Bar Graph*1	○	Bar Graph	------
Pie Graph*1	○	Panelmeter	------
Half Pie Graph*1	○	Panelmeter	------
Tank Graph*1	○	Level display	------
Meter Graph*1	○	Panelmeter	------
Trend Graph	○	Trend Graph	------
Keyboard	○	Key code switch	------
Keypad Input Display*2	○	• GOT2000 format Numerical Input, Character String Input • GOT1000 format Numerical/ASCII Input	------
Alarm	○	User alarm	------
File Name Display	×	------	------
Logging Display Device	×	------	------
Data Transfer Display	×	------	------
CSV Display	×	------	------
File Manager Display	×	------	------
Numeric Display	○	Numerical Display	------
Message Display*3	○	Lamp display	------
Date Display	○	Date display	------
Time Display	○	Time Display	------

○ : Convertible, × : Inconvertible

(Continued to next page)

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

○ : Convertible, × : Inconvertible

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

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

*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.

Appendix.2.8 D-Script

■ Restrictions

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

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

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

HINT

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

The script to which the following control statement is added to the head part after being converted to GT 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.

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. ☞ ■Restrictions
Timer setting (1 to 32767)		○	Sampling	------
Bit address		○	Trigger Device	------
Trigger		×	------	------
Execution		○	Script file	------
Data range (BIN/BCD)		○	Data format (BIN/BCD/real number)	------
Bit length (16/32)		○	Data format (16/32)	------
Code +/- (Present/Absent)		○	Display data format (Present/Absent)	------

○ : Convertible, × : Inconvertible

■ Conversion specifications of variables

The following indicates the conversion specifications of variables.

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

○ : Convertible, × : Inconvertible

■ Conversion specifications of addresses

The following indicates the conversion specifications of addresses.

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

○ : Convertible, × : Inconvertible

■ Conversion specifications of commands

The following indicates the conversion specifications of commands.

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

○ : Convertible, × : Inconvertible

■ Conversion specifications of comparisons

The following indicates the conversion specifications of comparisons.

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

○ : Convertible, × : Inconvertible

■ Conversion specifications of operators

The following indicates the conversion specifications of operators.

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

○ : Convertible, × : Inconvertible

■ Conversion specifications of descriptive expressions

The following indicates the conversion specifications of descriptive expressions.

Descriptive expressions	Conversion applicability	Conversion destination	Remarks

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

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

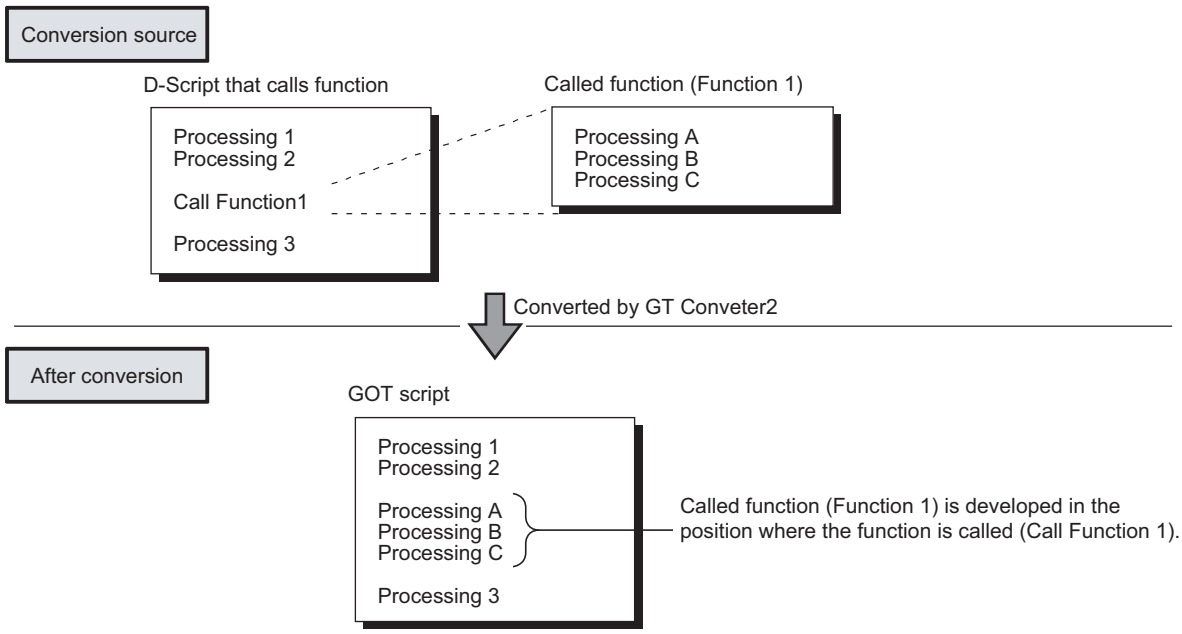
loop(Temporary)
{
Processing
}
endloop
	○	while(Temporary)
		{
		Processing;
		Temporary= Temporary - 1;
		}
			When Write value is set to a device other than Temporary in a loop statement, the loop statement will not be converted.

break	○	break;	------

○ : Convertible, ✕ : Inconvertible

■ Conversion specifications of functions

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



The following describes the conversion specifications of LS areas.

■ Restrictions

The following describes the restrictions related to LS area conversion.

(1) Devices from LS0 to LS2031 and LS2096 to LS8191 will be converted into GOT data registers GD of the same device numbers as the LS area addresses. For example, LS4000 is converted to GD4000.
Since the function of LS area will not be replaced by the GOT data register GD, that is user area, reallocate the devices with GT Designer3 if necessary.

(2) 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.

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

■ Conversion specifications of LS areas

The following indicates the conversion specifications of LS areas.

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

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

■ Conversion specifications of LS2032

The following indicates the conversion specifications of LS2032.

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

■ 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.

REVISIONS

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

Print Date	* Manual Number	Revision
Oct., 2009	SH(NA)-080862ENG-A	First printing : GT Conveter2 Version3.01B
May., 2010	SH(NA)-080862ENG-B	Partial corrections
Oct., 2010	SH(NA)-080862ENG-C	GT Conveter2 Version3.05F • GT Converter2 Version3 is compatible with Windows® 7. • When conversion format GOT1000 is selected, GT16/GT15 selection is available. • Compatible with Simple Comment for String.
Jul., 2011	SH(NA)-080862ENG-D	GT Conveter2 Version3.09H • GT Converter2 Version3 is compatible with the 64-bit version of Windows® 7.
Nov., 2012	SH(NA)-080862ENG-E	• The information site on the Internet is changed to the Mitsubishi Electric Factory Automation Global Website. • SAFETY PRECAUTIONS changed
Jun., 2013	SH(NA)-080862ENG-F	GT Conveter2 Version3.11C • The company name of Panasonic Corporation is changed to Panasonic Industrial Devices SUNX Co., Ltd. • GT Converter2 Version3 is compatible with Windows® 8.
Jan., 2014	SH(NA)-080862ENG-G	GT Conveter2 Version3.14Q • Compatible with conversion to GOT2000 format.

SH(NA)-080862ENG-G

Integrated FA Software

GT Converter2 Version3

Operating Manual for GT Works3

MODEL	SW3-GTCONV2-O-E
MODEL CODE	1D7MB2
SH(NA)-080862ENG-G(1401)MEE	

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