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Engineering Software

Help For GT Reporting Tool

-SW1DNN-GTRT-MD

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1 PRODUCT OVERVIEW

GT Reporting Tool converts the resource data created with GOT2000 series to PDF files on a personal computer.
The following becomes available by converting the resource data to PDF files.

- Browsing on the personal computer
- Preventing unauthorized use by setting security for PDF file

1.1 Features

The following explains the features of the GT Reporting Tool.

Automatic conversion

The resource data can be converted to PDF files automatically.
To use the automatic conversion function, set the save destination of the resource data with the GOT.
The following shows the save destination settings.

- Use a network drive so that the save destination of the resource data can be accessed by GT Reporting Tool.

For details on the network drive settings, refer to the following.
📖GT Designer3 (GOT2000) Screen Design Manual

- Use the file transfer function so that the save destination of the resource data can be accessed by GT Reporting Tool.

For details on the file transfer function, refer to the following.
📖GT Designer3 (GOT2000) Screen Design Manual

Reading resource data from the GOT.

The resource data read from the GOT can be stored in an intended save destination.
The personal computer and the GOT can be connected by the USB connection or Ethernet connection.
For details, refer to the following.
☞ Page 31 [Communicate with GOT] dialog
☞ Page 56 Reading resource data from GOT

Operation with a command line

Some functions of GT Reporting Tool can be executed with a command line.
For the operation with a command line and the executable functions, refer to the following.
☞ Page 61 Operation with a Command Line

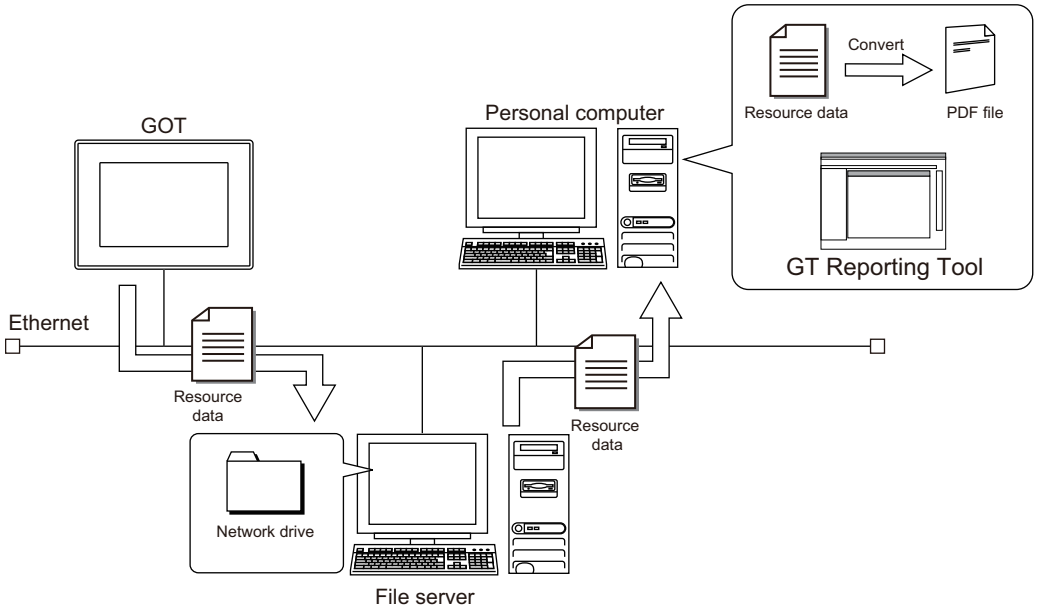
1.2 Supported resource data

- Alarm log files (*.G2A)
- Logging files (*.G2L)
- Operation log files (*.G2O)
- Report files (*.G2R)

To use alarm log files (*.G2A), a project and system applications in the single file format (*.GTXS) are required.
For how to save a project and system applications in the single file format (*.GTXS), refer to the following.
📖GT Designer3 (GOT2000) Screen Design Manual

1.3 System architecture

The following shows an example of system architecture for transferring the resource data from the GOT to the network drive by Ethernet, and then converting the data to PDF files using GT Reporting Tool.



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2 OPERATING ENVIRONMENT

The following shows the operating environment for the GT Reporting Tool.

Item	Description
Model	Windows-compatible personal computer
OS (English, Simplified Chinese, Traditional Chinese, Korean, German, or Italian version) *1*2	• Microsoft Windows 10 Enterprise (32 bit, 64 bit) *3*4*5 • Microsoft Windows 10 Pro (32 bit, 64 bit) *3*4*5 • Microsoft Windows 10 Home (32 bit, 64 bit) *3*5 • Microsoft Windows 10 IoT Enterprise 2016 LTSB (64 bit) (English OPK, or English OPK with a supported language pack) *3*4*5
CPU	Intel Core 2 Duo Processor 2.0 GHz or more recommended
Memory	• For a 64-bit OS: 2 GB or more recommended • For a 32-bit OS: 1 GB or more recommended
Display	Resolution: XGA (1024 × 768 dots) or higher
Hard disk space	• For installation: 5 GB or more recommended • For execution: 512 MB or more recommended
Display color	High Color (16 bits) or higher
Other software applications	• Data Transfer Tool 3.45X or later To display PDF files, the following software application must be installed. • Adobe Reader 7 or later recommended
Other hardware devices	Use the hardware compatible with the above OS. • For installation: Mouse, keyboard, and DVD drive • For execution: Mouse and keyboard • For printing: Printer

*1 For installation, administrator privileges are required.
*2 The following functions are not supported.
◇Application start in Windows compatibility mode
◇Change your desktop themes (fonts)
◇Setting the size of text and illustrations on the screen to any size other than [Small-100%]
*3 The touch feature is not supported.
*4 Hyper-V is not supported.
*5 Tablet mode is not supported.

Fonts required to use GT Reporting Tool

Before using GT Reporting Tool, make sure that the following fonts are installed on the personal computer.

Display language	Font
English	Tahoma, MS Gothic
Japanese	MS UI Gothic, MS Gothic

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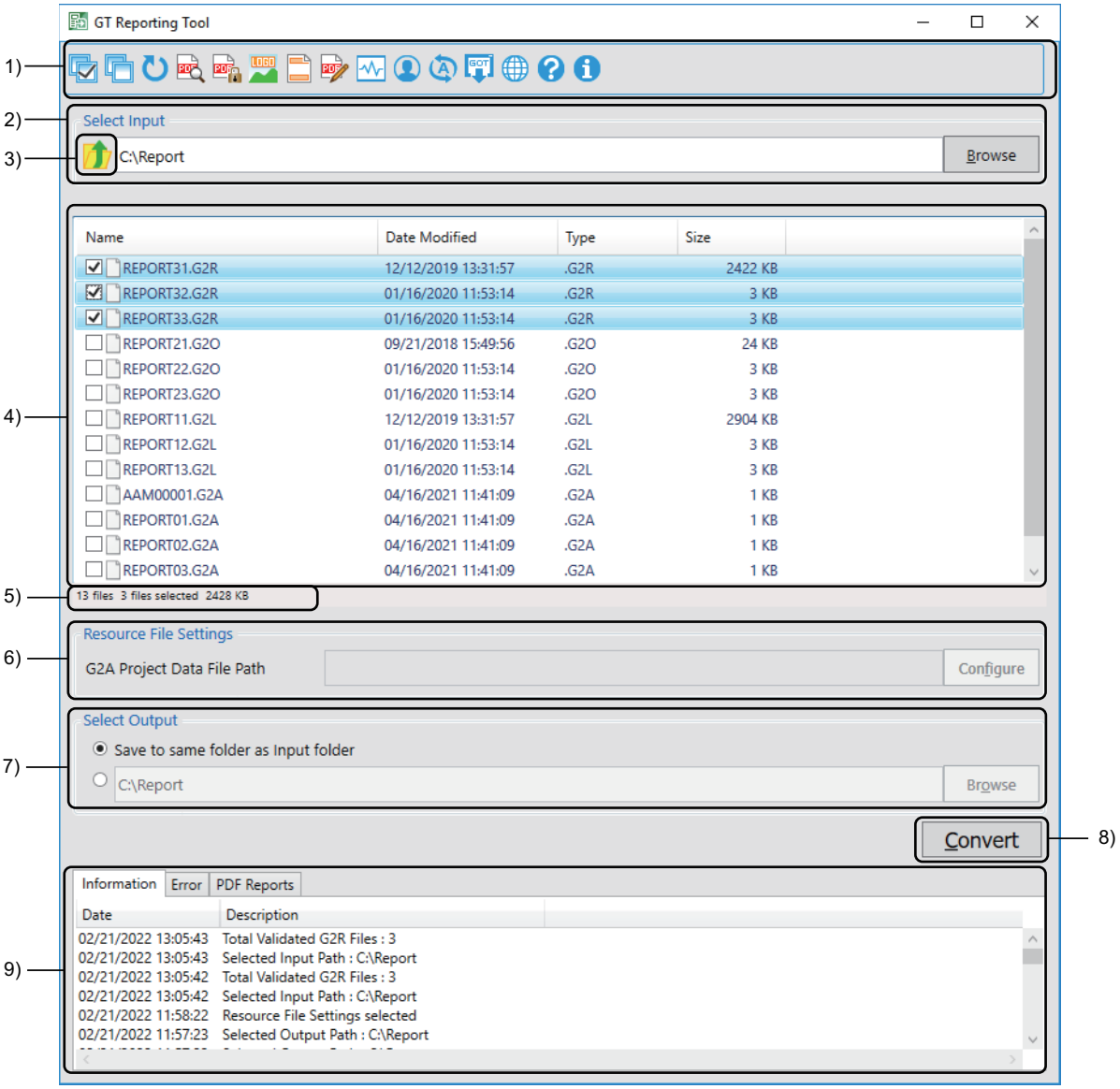
3 SCREEN LAYOUT

For GT Reporting Tool screen layout, refer to the following.

☞ Page 10 Main Window
☞ Page 16 [PDF Preview] Dialog
☞ Page 19 [PDF Security Settings] Dialog
☞ Page 20 [Logo Settings] Dialog
☞ Page 21 [Header and Footer Settings] Dialog
☞ Page 23 [Report Formatting] Dialog
☞ Page 25 [User Management Settings] Dialog
☞ Page 27 [Auto Mode Settings] Dialog
☞ Page 31 [Communicate with GOT] dialog
☞ Page 34 [Switch Display Language] Dialog
☞ Page 35 [Status Log Settings] Dialog
☞ Page 36 [Resource File Settings] Dialog

3.1 Main Window

In the main window, all the settings required for converting the resource data to PDF files and the operation history are displayed. The data can be converted to PDF files manually.



No.	Item	Description
1)	Toolbar	Operate GT Reporting Tool with the buttons in the toolbar. ☞ Page 13 Toolbar
2)	[Select Input]	Enter the path to the folder that stores the resource data. Or, click the [Browse] button to open the [Browse For Folder] dialog, and select the folder. Up to 242 characters can be entered.
3)	Up button	Moves up to the parent folder of the folder selected in [Select Input].
4)	Resource data list	Lists the resource data. Right-click anywhere on the resource data list to display the following context menu. • [Select All]: Selects all the resource data in the resource data list. • [Refresh]: Updates the list. • [Convert]: Converts the selected resource data to PDF files.
5)	Status bar	Displays the following items. • Number of resource data files displayed in the resource data list • Number of selected resource data files • Total size of selected resource data files

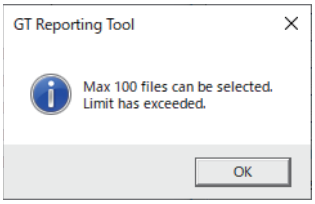
No.	Item	Description
6)	[Resource File Settings]	The [Configure] button in [Resource File Settings] is enabled when a G2A file or G2O file is selected in the resource data list. • G2A file: Set the project (*.GTXS), comment column number displayed in the user alarm display, and display language for the system alarm required for conversion. • G2O file: Set a display language for the action column of the operation log file. Click the [Configure] button to display the [Resource File Settings] dialog. The settings in the [Resource File Settings] dialog are applied to all the selected G2A files and G2O files. ☞ Page 36 [Resource File Settings] Dialog
7)	[Select Output]	Select an output destination for PDF files. The following shows the output destinations selectable for PDF files. • Folder specified in [Select Input] • Folder specified manually To select the folder specified manually, enter the path to the folder. Or, click the [Browse] button to open the [Browse For Folder] dialog, and select the folder. Up to 242 characters can be entered.
8)	[Convert] button	Converts the resource data selected in the resource data list to PDF files.
9)	Status display	Displays the information such as the operation history of GT Reporting Tool and the number of converted resource data files, errors, and hyperlinks to the PDF files. ☞ Page 14 Status display

Specifications for manual conversion

Select the resource data targeted for manual conversion in the main window.

Up to 100 files can be converted at a time.

If the [Convert] button is clicked while the number of selected files exceeds the upper limit, the error messages is displayed and conversion is not performed.



Toolbar

The following buttons are available in the toolbar.

Name		Description
	[Select All] button	Select all the resource data in the folder.
	[Deselect All] button	Deselect all the resource data in the folder.
	[Refresh] button	Refresh all the resource data in the folder.
	[PDF Preview] button	Displays the [PDF Preview] dialog. ☞ Page 16 [PDF Preview] Dialog
	[PDF Security] button	Displays the [PDF Security] dialog. ☞ Page 19 [PDF Security Settings] Dialog
	[Logo Settings] button	Displays the [Logo Settings] dialog. ☞ Page 20 [Logo Settings] Dialog
	[Header and Footer Settings] button	Displays the [Header and Footer Settings] dialog. ☞ Page 21 [Header and Footer Settings] Dialog
	[Report Formatting] button	Displays the [Report Formatting] dialog. ☞ Page 23 [Report Formatting] Dialog
	[Status Log] button	Displays the [Status Log Settings] dialog. ☞ Page 35 [Status Log Settings] Dialog
	[User Management] button	Displays the [User Management Settings] dialog. ☞ Page 25 [User Management Settings] Dialog
	[Auto mode] button	Displays the [Auto Mode Settings] dialog. ☞ Page 27 [Auto Mode Settings] Dialog
	[Communicate with GOT] button	Displays the [Communicate with GOT] dialog. ☞ Page 31 [Communicate with GOT] dialog
	[Switch Display Language] button	Displays the [Switch Display Language] dialog. ☞ Page 34 [Switch Display Language] Dialog
	[Help] button	Displays Help for GT Reporting Tool.
	[About] button	Display the version of GT Reporting Tool.

Status display

In the status display, the information such as the operation history of GT Reporting Tool and the number of converted resource data files, errors, and hyperlinks to the PDF files are displayed.

Saving the status logs

Configure the settings to save the status logs so that all the information displayed in the status display, such as the operation history, errors, and hyperlinks to the PDF files, can be saved.

Otherwise, the status logs are not saved.

For how to save the status logs, refer to the following.

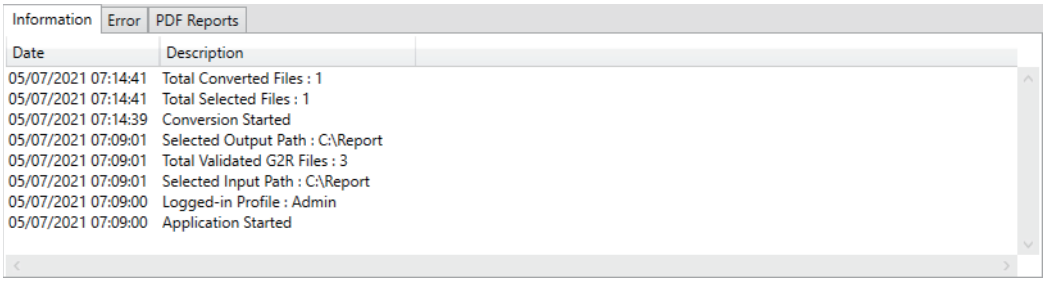
☞ Page 59 Saving the Status Logs

[Information] tab

Displays the information such as the operation history of GT Reporting Tool and the number of converted resource data files, errors, and hyperlinks to the PDF files.

The following shows the items displayed in the [Information] tab.

[Information] tab display item	Description
Application Started	GT Reporting Tool startup history
Logged-in Profile	Administrator or user login history
Selected Input Path	The path set in the [Select Input] in the main window.
Total Validated G2R Files	The total number of G2R files in the folder is specified in [Select Input] in the main window.
Selected Output Path	The path set in [Select Output] in the main window.
Conversion Started	Manual conversions startup history
Total Selected Files	Total number of resource data files selected in the main window
Total Converted Files	Total number of converted resource data files
**Settings selected	Setting dialog opening history
GT Reporting Tool is switched to Auto Mode.	Switching history from manual conversion to automatic conversion
Start of an Interval: DD/MM/YYYY HH:MM:SS	Start date and time of automatic conversion
Total Selected Files [Auto Mode]	Total number of resource data files selected in the main window to set automatic conversion for the files
Conversion Started [Auto Mode]	Automatic conversion startup history
Total Converted Files [Auto Mode]	Total number of automatically converted resource data files
End of an Interval: DD/MM/YYYY HH:MM:SS	End date and time of automatic conversion
GT Reporting Tool is switched to Manual Mode	Switching history from automatic conversion to manual conversion
The previous execution of Auto Mode cycle is not completed. Therefore present Auto Mode interval is skipped.	Automatic conversion skipping history (Automatic conversion is skipped when the previous automatic conversion is still in progress.)

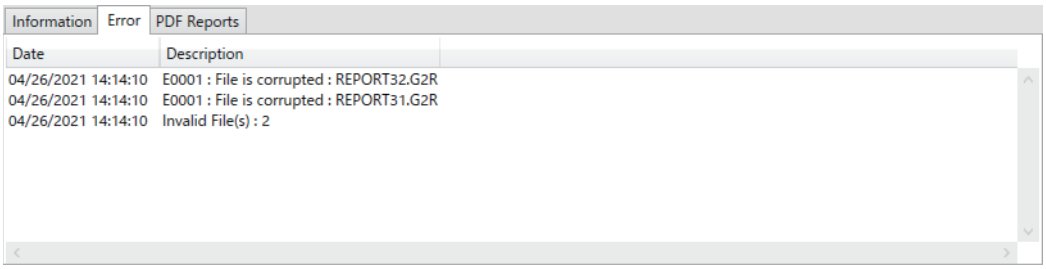


[Errors] tab

Displays the errors occurred during use of GT Reporting Tool.

For details on the error codes, refer to the following.

☞ Page 89 ERROR CODE



[PDF Reports] tab

Displays the hyperlinks to the PDF files that are created.

3.2 [PDF Preview] Dialog

In the [PDF Preview] dialog, you can check the details of the resource data before converting the data.

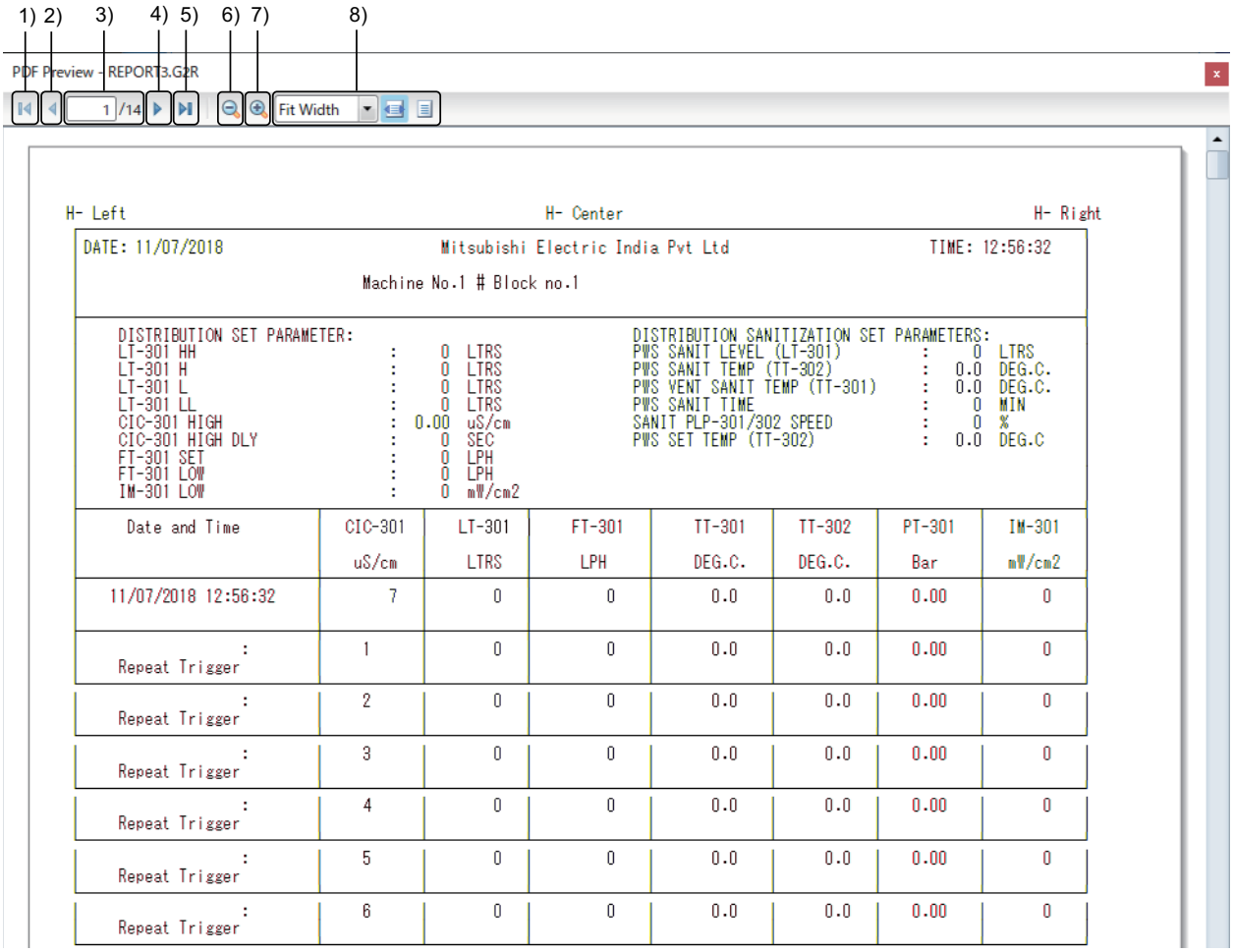
For how to display the [PDF Preview] dialog, refer to the following.

☞ Page 13 Toolbar

To preview a G2A or G2O file, resource data settings are required.

For details, refer to the following.

☞ Page 40 When converting a G2A or G2O file



No.	Item	Description
1)	Goto First Page	Displays the first page.
2)	Goto Previous Page	Displays the previous page.
3)	Page Number	Set a page number to move to the set page.
4)	Goto Next Page	Displays the next page.
5)	Goto Last Page	Displays the last page.
6)	[Zoom Out] button	Zooms out the screen according to the magnification selected from the drop-down list.
7)	[Zoom In] button	Zooms in the screen according to the magnification selected from the drop-down list.

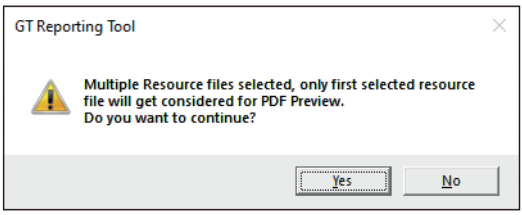
No.	Item	Description
8)	Magnification	Zoom in or out the screen according to the magnification selected from the list or manually entered. The following shows the settable display sizes. • Fit Width: Displays the page so that it fits in the screen width. • One Page: Display the full page so that it fits in the screen size. • 25% • 50% • 75% • 100% • 125% • 150% • 200% • 400% • 800% If you enter a value outside the setting range, the value is automatically converted to the closest value within the range. Example: When you enter 20%, the value is automatically converted to 25%. If you enter an invalid value containing a decimal point, alphabetic character, or others, the value is automatically converted to 100%.

Target data for PDF preview

The target data for PDF preview depends on how the resource data is selected.
The following shows the examples of the resource data to be previewed depending on how the data is selected.

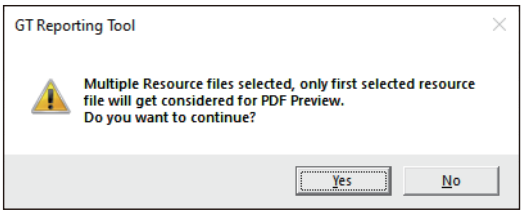
When multiple resource data files are selected

The initially selected resource data is previewed when the [Yes] button in the following dialog is clicked.



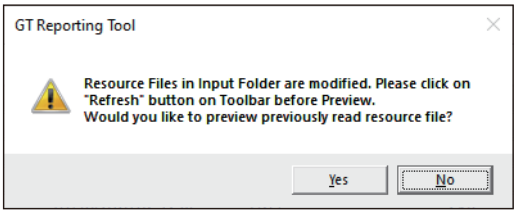
When all the data files are collectively selected using the [Select All] button

The topmost resource data in the list is previewed when the [Yes] button in the following dialog is clicked.



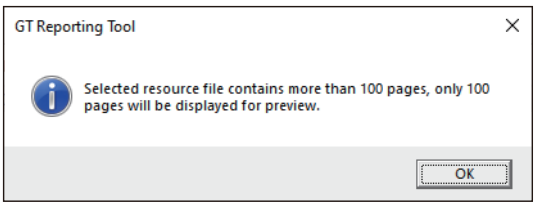
When a resource data file is changed before displaying the preview

To preview the resource file before change, click the [Yes] button.
To preview the file after change, click the [Refresh] button in the toolbar. After the files in the resource data list are refreshed, execute the PDF preview again.



When a G2A, G2L, G2O file exceeding 100 pages is selected

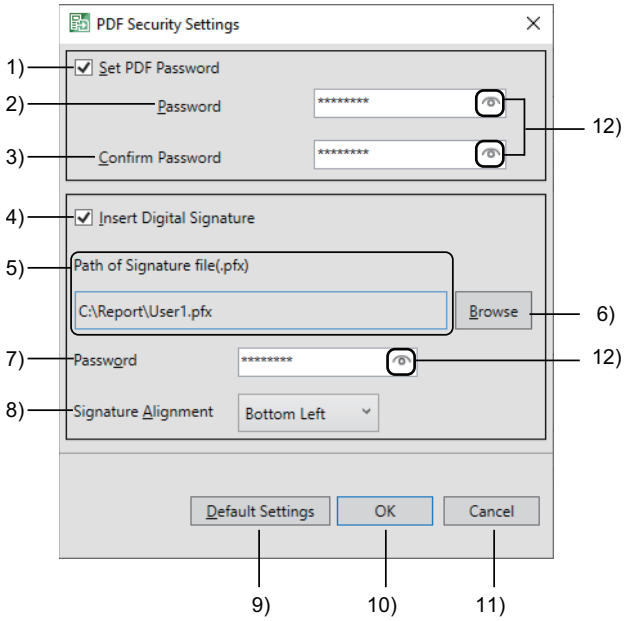
When a G2A, G2L, G2O file exceeding 100 pages is selected, the error message is displayed and 101st and later pages are not displayed.



When a digital signature is set, the signature is inserted in page 100.

3.3 [PDF Security Settings] Dialog

In the [PDF Security Settings] dialog, configure the settings to prevent unauthorized use of PDF files by unspecified users.
For how to display the [PDF Security Settings] dialog, refer to the following.
☞ Page 13 Toolbar
For how to configure the settings, refer to the following.
☞ Page 52 Setting a Password and Digital Signature for PDF Files



No.	Item	Description
1)	[Set PDF Password]	Select this item to set a security password for the PDF file.
2)	[Password]	Enter a password for the PDF file.
3)	[Confirm Password]	Reenter the password for verification.
4)	[Insert Digital Signature]	Select this item to set a digital signature for the PDF file.
5)	[Path of Signature file(.pfx)]	Displays the path to the digital signature file.
6)	[Browse] button	Select a digital signature file to be inserted in the PDF file. Enter the file path with 247 characters or less.
7)	[Password]	Enter the password of the selected digital signature file.
8)	[Signature Alignment]	Specify the position where the digital signature is inserted. • [Bottom Left] • [Bottom Center] • [Bottom Right]
9)	[Default Settings] button	Resets all the PDF security settings to defaults.
10)	[OK] button	Confirms the entries and closes the dialog.
11)	[Cancel] button	Cancels the settings and closes the dialog.
12)	Show password button	Click this button to display the password.

Requirements for setting a PDF password

Set a PDF password that satisfies the following conditions.

- The password must be between 8 to 16 characters.
- The characters are case-sensitive.
- Use at least one alphabetic character and one number.
- Do not enter a space between characters.
- Include at least one of the following symbols.

!@#$%*+=

3.4 [Logo Settings] Dialog

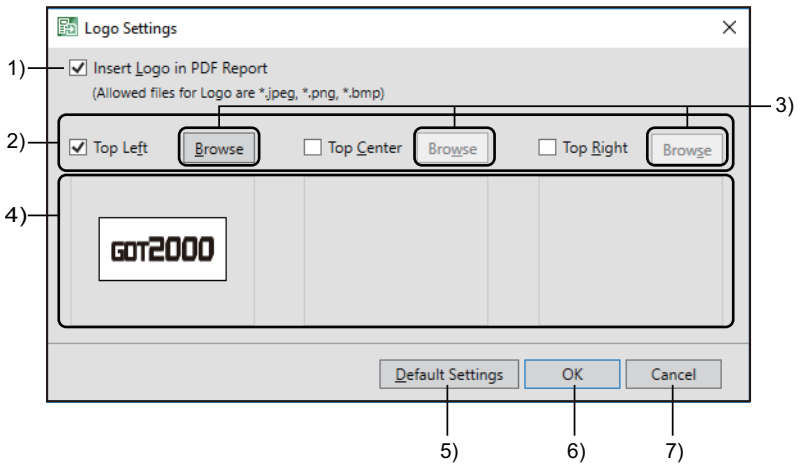
In the [Logo Settings] dialog, configure the settings to insert an image file in a PDF file.

For how to display the [Logo Settings] dialog, refer to the following.

☞ Page 13 Toolbar

For how to configure the logo settings, refer to the following.

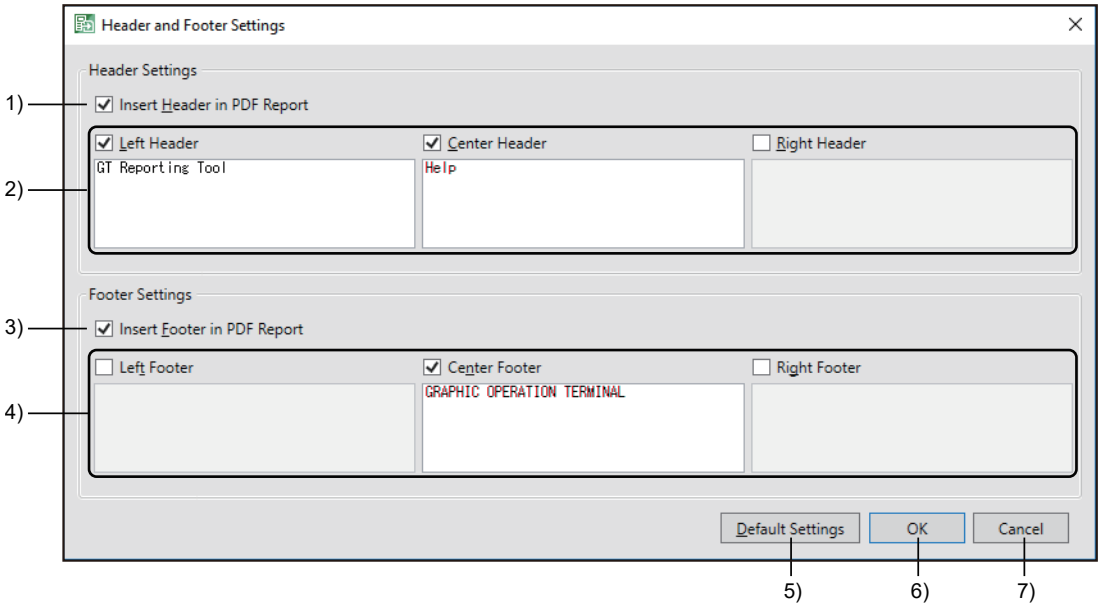
☞ Page 47 Setting a Logo



No.	Item	Description
1)	[Insert Logo in PDF Report]	Select this item to enable image file insertion in a PDF file.
2)	Logo alignment	Select where to insert the image file. Up to 3 positions can be set simultaneously. • [Top Left] • [Top Center] • [Top Right]
3)	[Browse] button	Select an image file. Enter the file path with 247 characters or less.
4)	Preview	Displays the print image of the selected image.
5)	[Default Settings] button	Resets all the logo settings to defaults.
6)	[OK] button	Confirms the entries and closes the dialog.
7)	[Cancel] button	Cancels the settings and closes the dialog.

3.5 [Header and Footer Settings] Dialog

In the [Header and Footer Settings] dialog, configure the settings to insert a header and a footer in each page of a PDF file.
For how to display the [Header and Footer Settings] dialog, refer to the following.
☞ Page 13 Toolbar
For how to configure the settings, refer to the following.
☞ Page 48 Setting a Header and a Footer



No.	Item	Description
1)	[Insert Header in PDF Report]	Select this item to enable header insertion in each page of the PDF file. If [Insert Digital Signature] is selected in the [PDF Security Settings] dialog, no header will be inserted in the pages with the digital signature in the converted PDF file.
2)	Header alignment and text entry field	Select where to insert a header and enter the text to be displayed in the header. • [Left Header] • [Center Header] • [Right Header] The entered text will be held even when [Insert Header in PDF Report] is deselected. For the restrictions on text entry, refer to the following. ☞ Page 22 Entry restrictions
3)	[Insert Footer in PDF Report]	Select this item to enable footer insertion in each page of the PDF file. If [Insert Digital Signature] is selected in the [PDF Security Settings] dialog, no footer will be inserted in the pages with the digital signature in the converted PDF file.
4)	Footer alignment and text entry field	Select where to insert a footer and enter the text to be displayed in the footer. • [Left Footer] • [Center Footer] • [Right Footer] The entered text will be held even when [Insert Footer in PDF Report] is deselected. For the restrictions on text entry, refer to the following. ☞ Page 22 Entry restrictions
5)	[Default Settings] button	Resets all the header and footer settings to defaults.
6)	[OK] button	Confirms the entries and closes the dialog.
7)	[Cancel] button	Cancels the settings and closes the dialog.

Entry restrictions

The following shows the restrictions on text entry in the header and footer.

- One-byte or two-byte characters can be used.

One-byte characters: Up to 5 lines containing up to 40 characters per line can be set.

Two-byte characters: Up to 5 lines containing up to 20 characters per line can be set.

- Usable one-byte symbols are periods (.), commas (,), colons (:), and one-byte spaces.
- Only text entry is available in the [Header and Footer Settings] dialog.
- When you copy any text containing font information not supported by GT Reporting Tool, the tool discards the font information.

Unsupported fonts are replaced with ones supported by GT Reporting Tool at output to a PDF file.

For the fonts supported by GT Reporting Tool, refer to the following.

☞ Page 7 Fonts required to use GT Reporting Tool

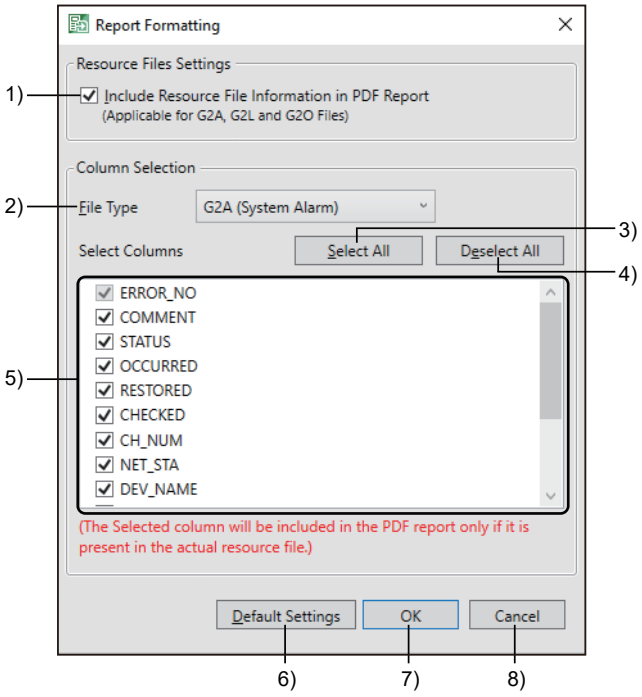
3.6 [Report Formatting] Dialog

In the [Report Formatting] dialog, configure the following settings.

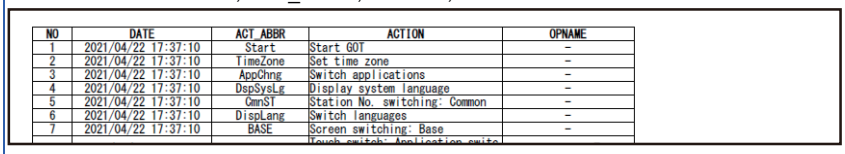
Setting	Supported file	Description
Display of resource data file information	• G2A file • G2L file • G2O file	Set whether to insert a table of resource data file information in the first page of the PDF file. For how to display the resource data file information in the PDF file, refer to the following. ☞ Page 50 Displaying the Resource Data File Information
Selection of resource data display items	• G2A file • G2O file	Set the items to be displayed in the PDF file. For how to select the resource data items to be displayed in the PDF file, refer to the following. ☞ Page 51 Selecting Resource Data Display Items

For how to display the [Report Formatting] dialog, refer to the following.

☞ Page 13 Toolbar



No.	Item	Description
1)	[Include Resource File Information in PDF Report]	Select this item to insert a table of resource data file information in the first page of the PDF file. (Available for G2A, G2L, and G2O files) Example) G2O file :GT2K_OPELOG 1 :LOG_NUM 29 :DATE_ORDER YYYY/MM/DD hh:mm:ss :LOCAL_TIME :TIME_INF_ORDER
2)	[File Type]	Select the resource data to be included in the report from the list. (Available for G2A and G2O files) • [G2A (System Alarm)] • [G2A (User Alarm)] • [G2O]
3)	[Select All] button	Selects all the items in the item list.
4)	[Deselect All] button	Deselects all the items in the item list.

No.	Item	Description
5)	Item list	Select the resource data to be displayed in the PDF file. All the items are selected by default. When you change the file type for [File Type], the listed items will change. Even though you change the file type for [File Type], the display items set for the current file type will be held. For the display items for each resource data, refer to the following. ☞ Page 24 Item list The following items are displayed in the PDF file even though they are not specified by the user. • For G2A (System Alarm): ERROR_NO • For G2A (User Alarm): COMMENT • For G2O: NO Example) G2O file for which DATE, ACT_ABBR, ACTION, and OPNAME in the item list are selected 
6)	[Default Settings] button	Resets all the report format settings to defaults.
7)	[OK] button	Confirms the entries and closes the dialog.
8)	[Cancel] button	Cancels the settings and closes the dialog.

NO	DATE	ACT_ABBR	ACTION	OPNAME
1	2021/04/22 17:37:10	Start	Start GOT	-
2	2021/04/22 17:37:10	TimeZone	Set time zone	-
3	2021/04/22 17:37:10	AppChng	Switch applications	-
4	2021/04/22 17:37:10	DspSysLg	Display system language	-
5	2021/04/22 17:37:10	GmnST	Station No. switching: Common	-
6	2021/04/22 17:37:10	DispLang	Switch languages	-
7	2021/04/22 17:37:10	BASE	Screen switching: Base	-

Item list

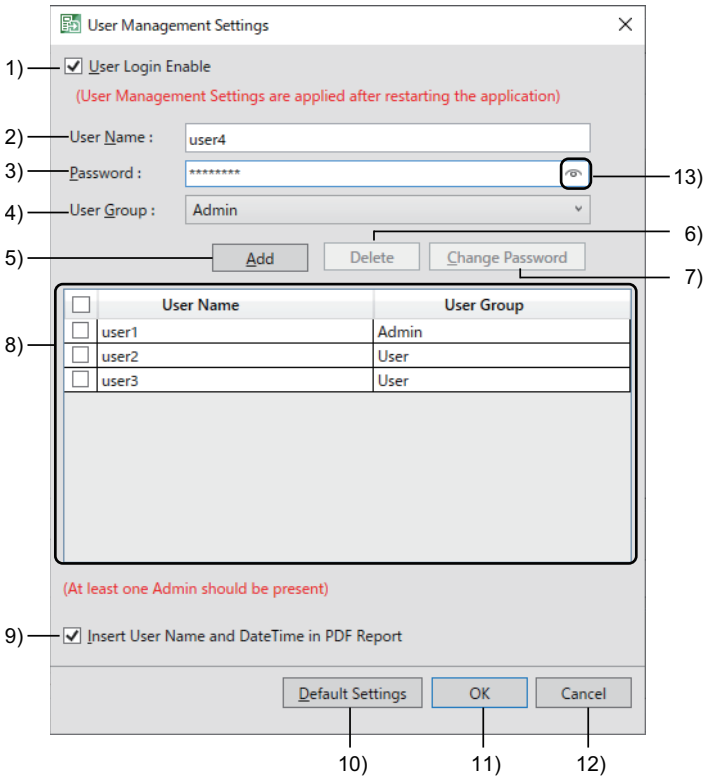
The display items depend on the selected resource data.

The following shows the display items for each resource data.

G2A (System Alarm)	G2A (User Alarm)	G2O file
ERROR_NO	COMMENT	NO
COMMENT	UPPER_NO	DATE
STATUS	MIDDLE_NO	SCRN_NO
OCCURRED	COMMENT_NO	ACT_ABBR
RESTORED	STATUS	ACTION
CHECKED	OCCURRED	OPNAME
CH_NUM	RESTORED	OPERATOR
NET_STA	CHECKED	OPE_ID
DEV_NAME	LEVEL	USER_ID
SCRN_NO	GROUP	SUB_NO
DEF_SCR_NO	OCCUR_FREQ	DATA_TYPE
OBJECT_ID	CUM_TIME	CH_NUM
FUNCTION_NAME	DOWN_TIME	NET_STA
DRIVE		DEV_NAME
		CHG_VALUE
		CHG_VALUE_CONT
		PREV_VALUE
		PREV_VALUE_DISP

3.7 [User Management Settings] Dialog

In the [User Management Settings] dialog, register a user and set the privilege level.
You can manage the registered users.
For how to display the [User Management Settings] dialog, refer to the following.
☞ Page 13 Toolbar
For how to configure the user management settings, refer to the following.
☞ Page 54 Registering a User



No.	Item	Description
1)	[User Login Enable]	Select this item to set a user name and password. When a user is set, the user login dialog appears at a start of GT Reporting Tool.
2)	[User Name]	Set a new user name.
3)	[Password]	Set a password for the new user.
4)	[User Group]	Set the privilege level. • [Admin]: Administrator • [User]: User
5)	[Add] button	Adds the new user information to the user list.
6)	[Delete] button	Deletes the user selected in the user list.
7)	[Change Password] button	Changes the password of the user selected in the user list.
8)	User list	Lists the users who have been added.
9)	[Insert User Name and DateTime in PDF Report]	Select this item to insert the name of the logged-in user of GT Reporting Tool and the date and time of the conversion in all PDF files.
10)	[Default Settings] button	Resets all the user management settings to defaults.
11)	[OK] button	Confirms the entries and closes the dialog.
12)	[Cancel] button	Cancels the settings and closes the dialog.
13)	Show password button	Click this button to display the password.

Requirements for setting a user name

Set a user name that satisfy the following requirements.

- The user name must be between 2 to 16 characters.
- The characters are case-sensitive.
- Do not use a symbol or space.
- Alphanumeric characters can be used.

Requirements for setting a password

Set a password that satisfy the following requirements.

- The password must be between 8 to 16 characters.
- The characters are case-sensitive.
- Use at least one alphabetic character and one number.
- Include at least one of the following symbols.

!@#$%*+=

Setting a user group

Setting a user group (Admin/User) enables you to place restrictions on usable functions.

The following shows the restrictions on each function.

○: Usable, ×: Not usable

Function	Administrator privilege	User privilege
Manual conversion	○	○
PDF preview	○	○
PDF security	○	×
Logo setting	○	×
Header and footer settings	○	×
PDF file formatting	○	×
Status log setting	○	×
User management	○	×
Automatic conversion	○	×
Communication with GOT	○	○
Language switching	○	×
Resource file settings	○	○

3.8 [Auto Mode Settings] Dialog

In the [Auto Mode Settings] dialog, set the interval and time for automatically converting the resource data to PDF files.

For how to display the [Auto Mode Settings] dialog, refer to the following.

☞ Page 13 Toolbar

For how to configure the automatic conversion settings, refer to the following.

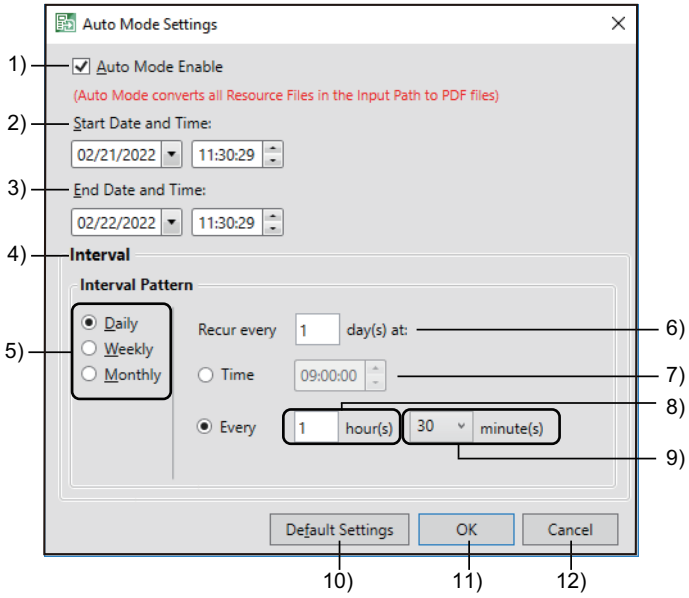
☞ Page 43 Automatic Conversion at Specified Date and Time

To execute automatic conversions for G2A and G2O files, configure the settings in [Resource File Settings].

For details, refer to the following.

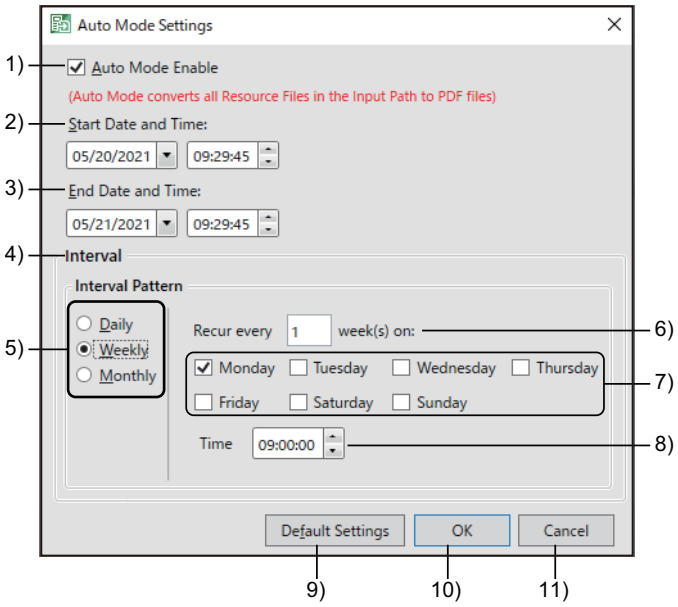
☞ Page 40 When converting a G2A or G2O file

When the interval pattern is set to [Daily]



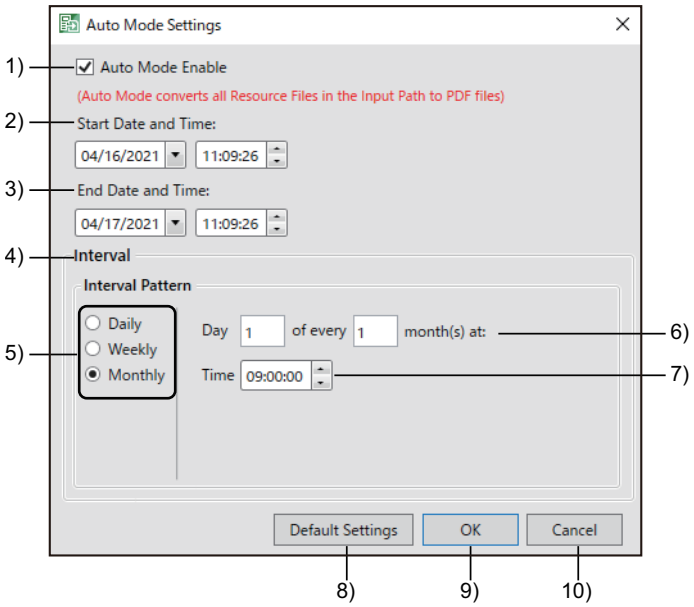
No.	Item	Description
1)	[Auto Mode Enable]	Select this item to enable automatic conversions.
2)	[Start Date and Time]	Set the date and time to start an automatic conversion.
3)	[End Date and Time]	Set the date and time to end the automatic conversion.
4)	[Interval]	Select the interval between automatic conversions.
5)	Date and time interval pattern	Select the interval pattern for automatic conversions. The following patterns are available. • [Daily] • [Weekly] • [Monthly]
6)	Every n day(s)	Set the interval pattern for automatic conversions in days.
7)	[Time]	Set the time to execute an automatic conversion.
8)	Every n hour(s)	Set the interval pattern for automatic conversions in hours.
9)	Every n minute(s)	Set the interval pattern for automatic conversions in minutes. The value is settable in 15-minute increments.
10)	[Default Settings] button	Resets all the automatic conversion settings to defaults.
11)	[OK] button	Confirms the entries and closes the dialog.
12)	[Cancel] button	Cancels the settings and closes the dialog.

When the interval pattern is set to [Weekly]



No.	Item	Description
1)	[Auto Mode Enable]	Select this item to enable automatic conversions.
2)	[Start Date and Time]	Set the date and time to start an automatic conversion.
3)	[End Date and Time]	Set the date and time to end the automatic conversion.
4)	[Interval]	Select the interval between automatic conversions.
5)	Date and time interval pattern	Select the interval pattern for automatic conversions. The following patterns are available. • [Daily] • [Weekly] • [Monthly]
6)	Every n week(s)	Set the interval pattern for automatic conversions in weeks.
7)	Day of the week	Select the day of the week when an automatic conversion is executed.
8)	[Time]	Set the time to execute an automatic conversion.
9)	[Default Settings] button	Resets all the automatic conversion settings to defaults.
10)	[OK] button	Confirms the entries and closes the dialog.
11)	[Cancel] button	Cancels the settings and closes the dialog.

When the interval pattern is set to [Monthly]



No.	Item	Description
1)	[Auto Mode Enable]	Select this item to enable automatic conversions.
2)	[Start Date and Time]	Set the date and time to start an automatic conversion.
3)	[End Date and Time]	Set the date and time to end the automatic conversion.
4)	[Interval]	Select the interval between automatic conversions.
5)	Date and time interval pattern	Select the interval pattern for automatic conversions. The following patterns are available. • [Daily] • [Weekly] • [Monthly]
6)	Day n of every n month(s)	Set the interval pattern for automatic conversions in months.
7)	[Time]	Set the time to execute an automatic conversion.
8)	[Default Settings] button	Resets all the automatic conversion settings to defaults.
9)	[OK] button	Confirms the entries and closes the dialog.
10)	[Cancel] button	Cancels the settings and closes the dialog.

Specifications of automatic conversion

In the main window, select [Select Input] to execute an automatic conversion.
Up to 100 files can be converted at a time.

When the number of selected resource data files exceeds the upper limit

An automatic conversion is performed for the first 100 resource data files in the folder.
An automatic conversion is performed sequentially for the new resource data files at intervals specified in the [Auto Mode Settings] dialog.
New resource data, recognized as new from their file names and time stamps, refer to the data that do not have their converted PDF files in the output folder.

When [User Login Enable] is selected

Only the login user who enables automatic conversions can exit automatic conversions in the system tray.

When an automatic conversion does not end before the next automatic conversion

When an automatic conversion does not end before the next automatic conversion, the next automatic conversion is skipped.
In this case, the skipping history will be displayed in the [Information] tab in the status display.

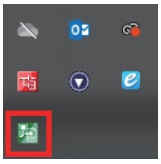
Requirements for executing automatic conversions

To enable automatic conversions, select the resource data in the main window, and then select [Auto Mode Enable] in the [Auto Mode Settings] dialog.
The following shows the conditions under which automatic conversions are executed.

Personal computer status	Automatic conversion with GT Reporting Tool
Powered off	Not available
Locked	Not available
Sleep mode	Available
Restarting	Available after the personal computer is started

GT Reporting Tool icon in the system tray

When the automatic conversion is enabled, the system tray stores the GT Reporting Tool icon.



The following describes the GT Reporting Tool icon display.
○: Available, ×: Not available

Operation	Icon display	Icon	Automatic conversion mode
Select [Auto Mode Enable] in the [Auto Mode Settings] dialog, and click the [OK] button.	○		Enabled
Close the main window when [Auto Mode Enable] is selected.	○		Executing
Right-click the GT Reporting Tool icon in the system tray, and click the [Open] button.	○		Enabled
Right-click the GT Reporting Tool icon in the system tray, and click the [Exit] button. After automatic conversions at specified date and time.	×	-	Ended

3.9 [Communicate with GOT] dialog

In the [Communicate with GOT] dialog, configure the settings to communicate with the GOT and set the read source and read destination of resource data so that the resource data can be read from the GOT.

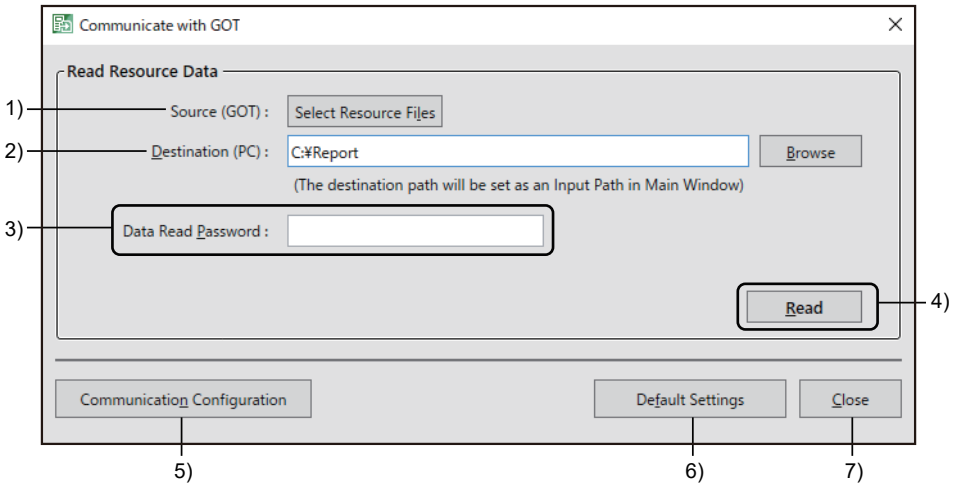
For how to display the [Communicate with GOT] dialog, refer to the following.

☞ Page 13 Toolbar

The personal computer and the GOT can be connected by the USB connection or Ethernet connection.

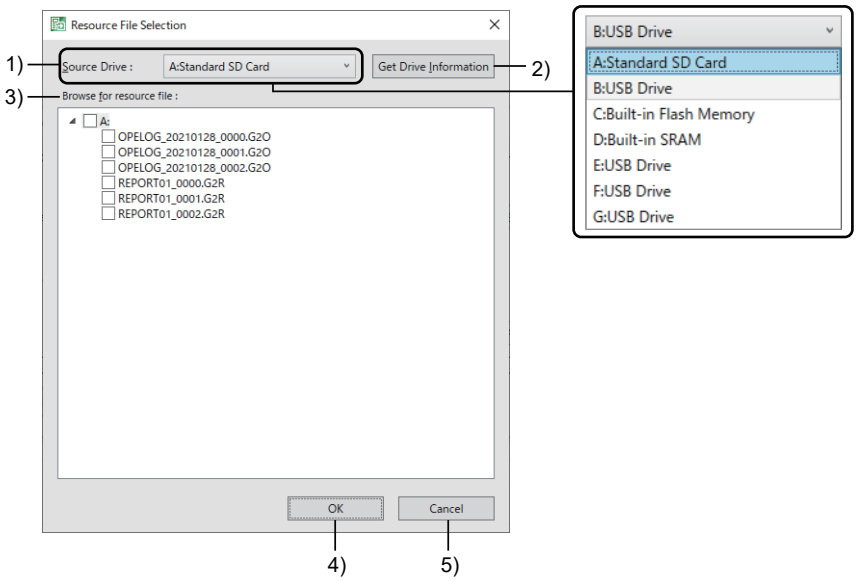
For how to configure the settings, refer to the following.

☞ Page 56 Reading resource data from GOT



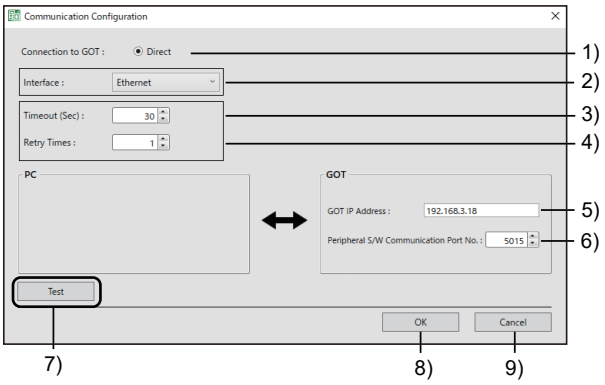
No.	Item	Description
1)	[Source (GOT)]	Set the resource data to be read. Click the [Select Resource Files] button to display the [Resource File Selection] dialog. ☞ Page 32 [Resource File Selection] dialog
2)	[Destination (PC)]	Set the save destination of the resource data read from the GOT. Enter the folder path with 242 characters or less.
3)	[Data Read Password]	If the data transfer security has been set, enter the password. If the data transfer security has not been set, entering the password is not required. For the data transfer security, refer to the following. 📖GT Designer3 (GOT2000) Screen Design Manual
4)	[Read]	Reads the resource data from the GOT.
5)	[Communication Configuration] button	Displays the [Communication Configuration] dialog to configurate the setting to communicate with the GOT.
6)	[Default Settings] button	Resets all the communication settings to defaults.
7)	[Close] button	Closes the dialog.

[Resource File Selection] dialog



No.	Item	Description
1)	[Source Drive]	Select the read source drive. • A: Standard SD card • B: USB drive • C: Built-in flash memory • D: Built-in SRAM • E: USB drive • F: USB drive • G: USB drive
2)	[Get Drive Information] button	Acquires the drive information.
3)	[Browse for resource file]	Select the resource data files to be read.
4)	[OK] button	Confirms the entries and closes the dialog.
5)	[Cancel] button	Cancels the settings and closes the dialog.

[Communication Configuration] dialog



No.	Item	Description
1)	[Connection to GOT]	Displays how to connect to the GOT.
2)	[Interface]	Select the interface type. The following shows the items to be selected. • [USB] • [Ethernet]
3)	[Timeout (Sec)]	Select a time-out period. The setting range is [1] to [9999]. If a time less than 30 seconds is set, a communication error may occur. Set 30 seconds or more.
4)	[Retry Times]	Select the number of retries. The setting range is [0] to [5].
5)	[GOT IP Address]	When [Interface] is set to [Ethernet], enter the IP address of the GOT. The setting range is [0.0.0.0] to [255.255.255.255].
6)	[Peripheral S/W Communication Port No.]	When [Interface] is set to [Ethernet], select the communication port number. The setting range is [1024] to [65534].
7)	[Test] button	Executes a test for communication with GOT.
8)	[OK] button	Confirms the entries and closes the dialog.
9)	[Cancel] button	Cancels the settings and closes the dialog.

3.10 [Switch Display Language] Dialog

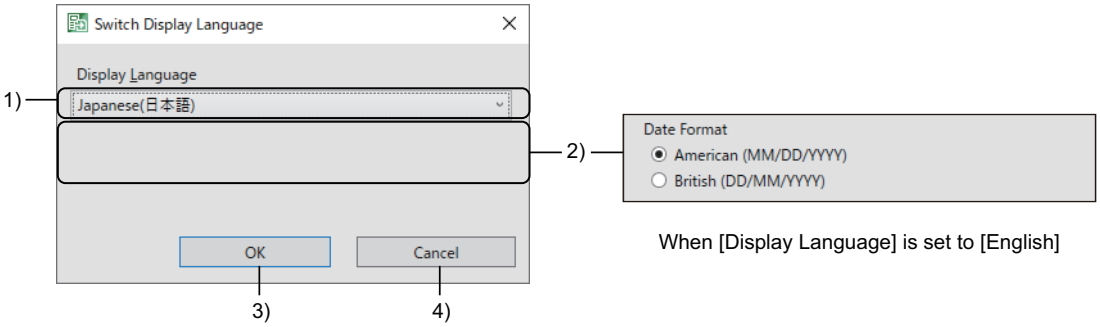
In the [Switch Display Language] dialog, set a display language.

For how to display the [Switch Display Language] dialog, refer to the following.

☞ Page 13 Toolbar

For how to configure the language switching settings, refer to the following.

☞ Page 58 Switching the Language



When [Display Language] is set to [Japanese(日本語)]

When [Display Language] is set to [English]

No.	Item	Description
1)	[Display Language]	Select a display language. • [English] • [Japanese(日本語)] The default display language depends on the OS language.
2)	[Date Format]	Setting is required only when [Display Language] is set to [English]. Select the display type of the date displayed in [Date Modified] of the resource data list. The following shows the items to be selected. • [American (MM/DD/YYYY)] • [British (DD/MM/YYYY)]
3)	[OK] button	Confirms the entries and closes the dialog.
4)	[Cancel] button	Cancels the settings and closes the dialog.

Precautions

Languages supported by the personal computer OS

When the personal computer OS does not support a language to be switched to, the characters become garbled.

Install the supported fonts on the personal computer as needed.

For the required fonts, refer to the following.

☞ Page 7 Fonts required to use GT Reporting Tool

Items that do not support the display language switching

The following items do not support the display language switching.

Item	Display specifications
Some right-click context menu items	The display language depends on the OS language.
Setting items and buttons in some dialogs	The display language depends on the OS language.

3.11 [Status Log Settings] Dialog

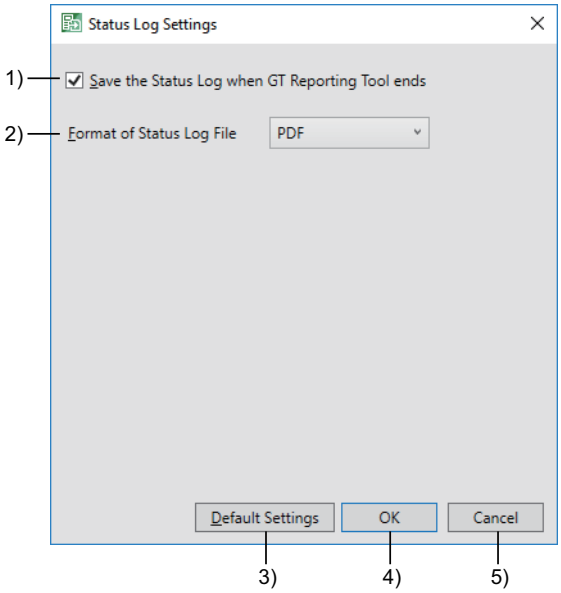
In the [Status Log Settings] dialog, set whether to save the status logs and set a file format.

For how to display the [Status Log Settings] dialog, refer to the following.

☞ Page 13 Toolbar

For how to configure the settings for saving the status logs in the [Status Log Settings] dialog, refer to the following.

☞ Page 60 Saving the status logs using the [Status Log Settings] dialog on the toolbar



No.	Item	Description
1)	[Save the Status Log when GT Reporting Tool ends]	Select this item and click the [OK] button. • When automatic conversion is enabled, the status logs are saved at the specified end date and time for automatic conversions before GT Reporting Tool is exited. • When automatic conversion is disabled, the dialog prompting you to select whether to save the status logs appears before GT Reporting Tool is exited.
2)	[Format of Status Log File]	Select a file format for the status logs. • [PDF] • [Text]
3)	[Default Settings] button	Resets all the settings for saving the status logs to defaults.
4)	[OK] button	Confirms the entries and closes the dialog.
5)	[Cancel] button	Cancels the settings and closes the dialog.

3.12 [Resource File Settings] Dialog

Configure the settings to convert a G2A or G2O file.

To convert G2A files, set the project (*.GTXS), comment column number displayed in the user alarm display, and display language for the system alarm.

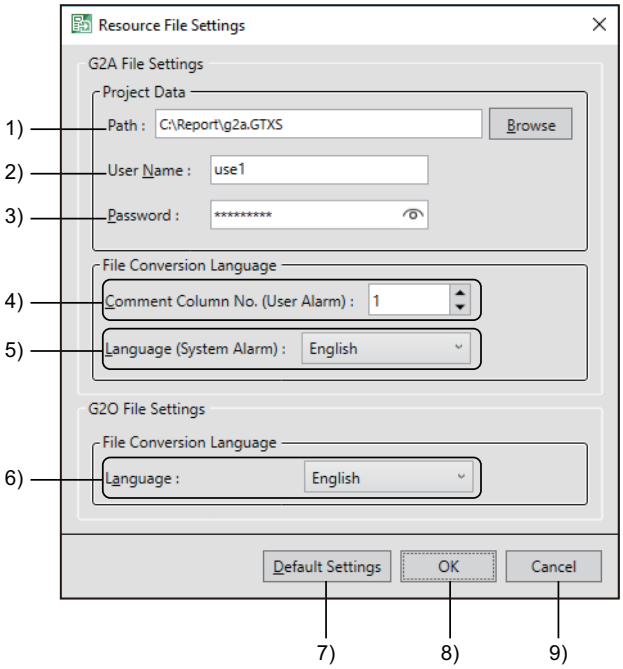
To convert G2O files, set a display language for the action column of the operation log file.

For how to display the [Resource File Settings] dialog, refer to the following.

☞ Page 10 Main Window

For how to configure the settings, refer to the following.

☞ Page 40 When converting a G2A or G2O file



No.	Item	Description
1)	[Path]	Enter the path to the project used for creating the G2A file to be converted. Up to 247 characters can be entered.
2)	[User Name]	If project security has been set for the selected project, enter the user name. If project security has not been set, the entry is not required.
3)	[Password]	If project security has been set for the selected project, enter the password. If project security has not been set, entering the password is not required.
4)	[Comment Column No. (User Alarm)]	When the conversion source file is a user alarm, set the comment column number.
5)	[Language (System Alarm)]	When the conversion source file is a system alarm, select the language for the system alarm. The following shows selectable items. • [English] • [Japanese]
6)	[Language]	Set a display language for the action column of the operation log file.
7)	[Default Settings] button	Resets the settings in this dialog to defaults.
8)	[OK] button	Confirms the entries and closes the dialog.
9)	[Cancel] button	Cancels the settings and closes the dialog.

4 OPERATING PROCEDURE

For how to operate GT Reporting Tool, refer to the following.

☞ Page 38 Starting GT Reporting Tool
☞ Page 39 Manual Conversion
☞ Page 43 Automatic Conversion at Specified Date and Time
☞ Page 47 Setting a Logo
☞ Page 48 Setting a Header and a Footer
☞ Page 50 Displaying the Resource Data File Information
☞ Page 51 Selecting Resource Data Display Items
☞ Page 52 Setting a Password and Digital Signature for PDF Files
☞ Page 54 Registering a User
☞ Page 56 Reading resource data from GOT
☞ Page 58 Switching the Language
☞ Page 59 Saving the Status Logs
☞ Page 61 Operation with a Command Line

4.1 Starting GT Reporting Tool

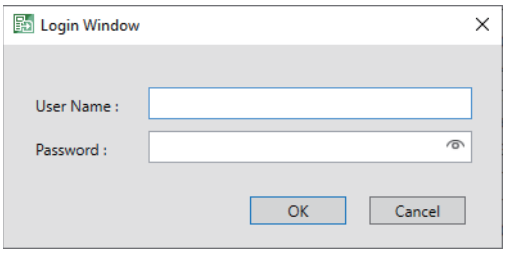
The following explains how to start GT Reporting Tool.

1. Select [GT Reporting Tool] from the Windows start menu.

The login dialog opens when the user management settings are configured. Enter the user name and password, and click the [OK] button.

For the user management settings, refer to the following.

☞ Page 54 Registering a User

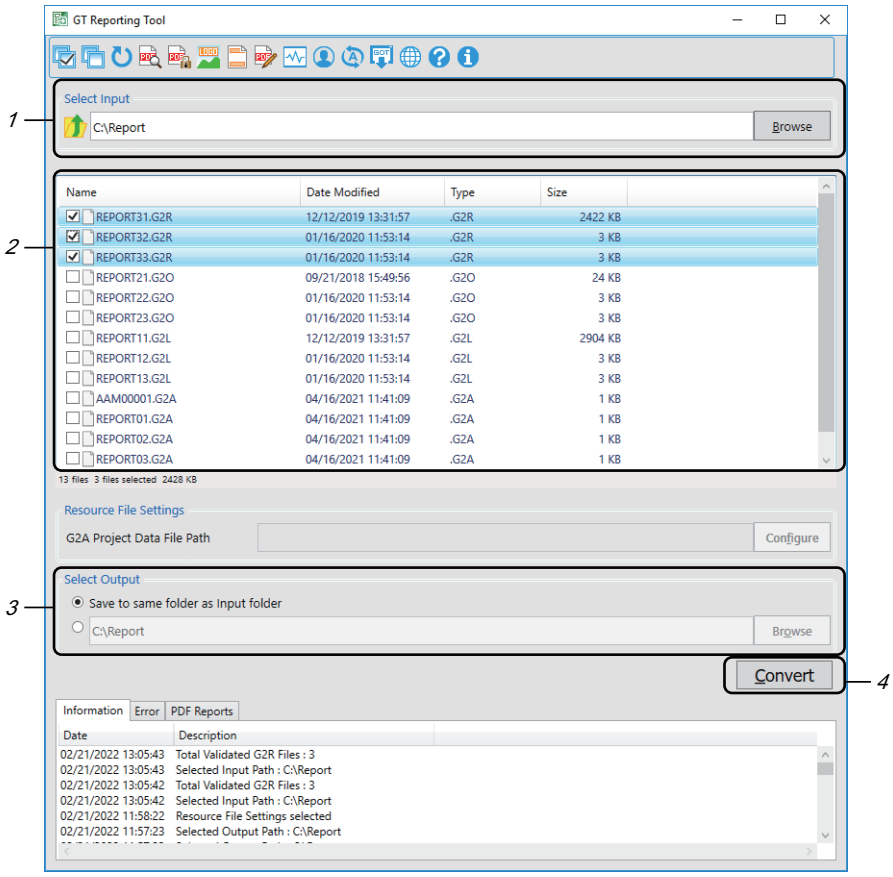


2. GT Reporting Tool starts.

4.2 Manual Conversion

The following explains how to convert a file manually with GT Reporting Tool.

When converting a G2L or G2R file



1. In [Select Input] in the main window, enter the path to the folder that stores the resource data.
Or, click the [Browse] button to open the [Browse For Folder] dialog, and select the folder.
For details on the main window, refer to the following.
☞ Page 10 Main Window

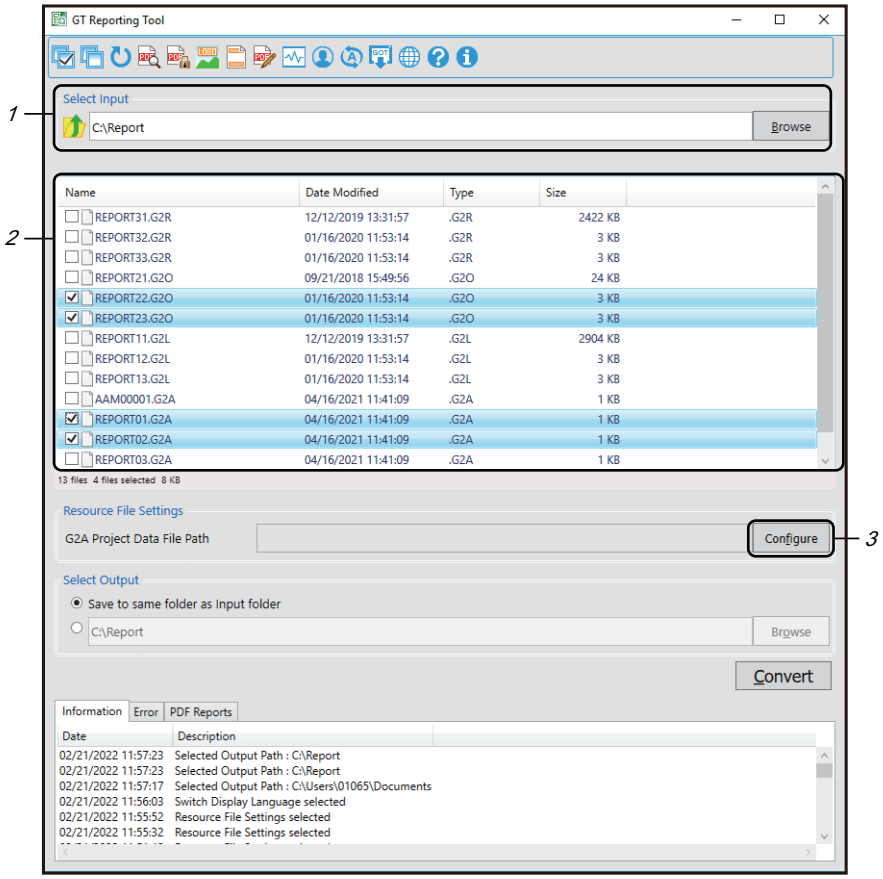
2. Select the files to be converted from the resource data list.

3. In [Select Output], select a folder to store the converted PDF files.

4. Click the [Conversion] button to start converting the resource data to PDF files.
Folders are created individually for G2L and G2R files in the output destination for PDF files, and the created PDF files are stored to their respective folders.
When the conversion is completed, the hyperlinks to the created PDF files are displayed in the [PDF Reports] tab in the status window.

When converting a G2A or G2O file

Setting items differ between a G2A file and a G2O file.



1. In [Select Input] in the main window, enter the path to the folder that stores the resource data.

Or, click the [Browse] button to open the [Browse For Folder] dialog, and select the folder.

For details on the main window, refer to the following.

☞ Page 10 Main Window

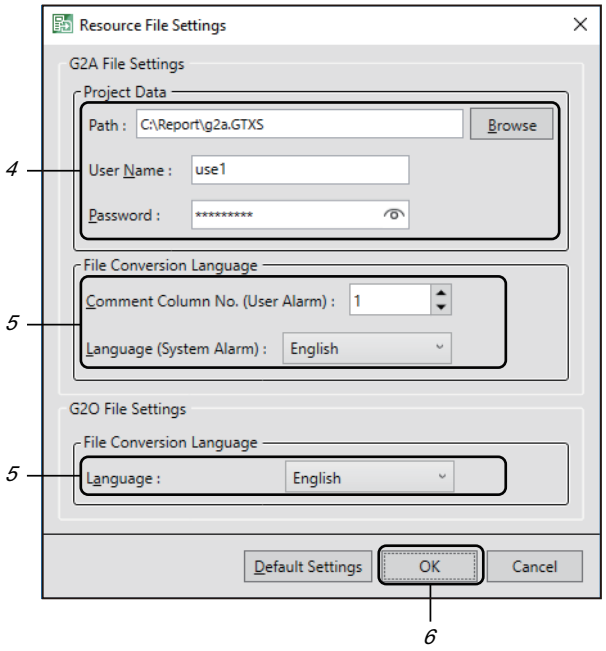
2. Select the files to be converted from the resource data list.

3. Click the [Configure] button.

The [Resource File Settings] dialog appears.

For details on the [Resource File Settings] dialog, refer to the following.

☞ Page 36 [Resource File Settings] Dialog



4. Only when selecting a G2A file in the main window, click the [Browse] button in the [Resource File Settings] dialog, and select a project (*.GTXS).

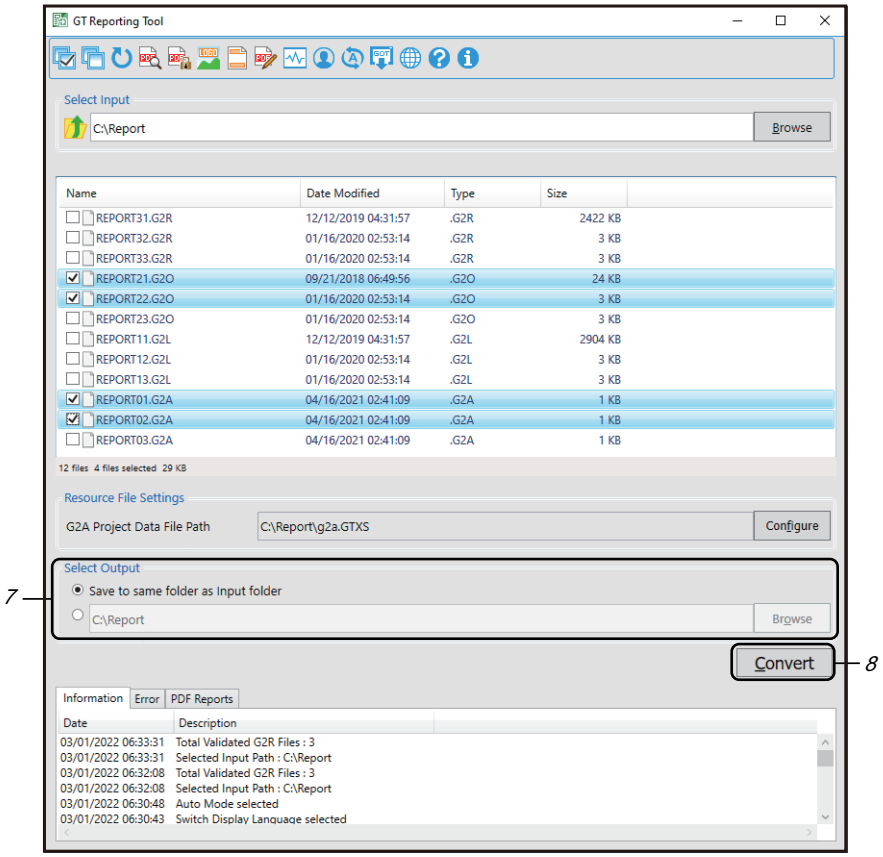
If project security has been set for the selected project (*.GTXS), enter the user name and password.

If project security has not been set, entering the user name and password is not required.

5. When selecting a G2A file in the main window, select [Comment Column No. (User Alarm)] and [Language (System Alarm)].

When selecting a G2O file in the main window, select [Language].

6. Click the [OK] button to apply the settings.



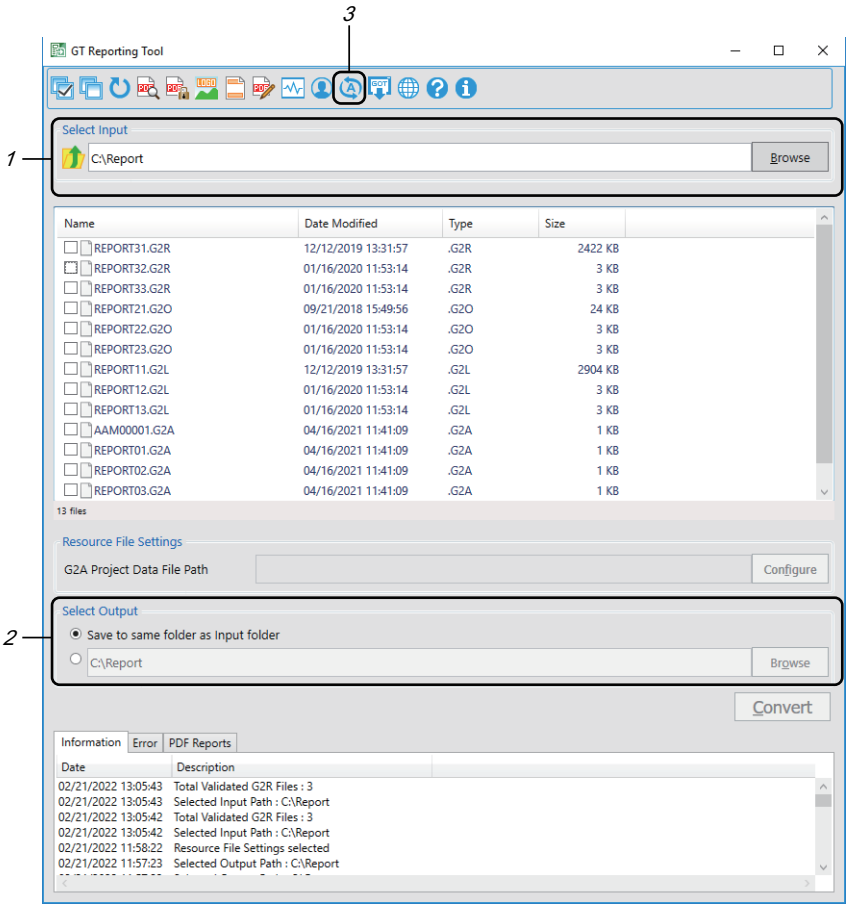
7. In [Select Output], select a folder to store the converted PDF files.

8. Click the [Conversion] button to start converting the resource data to PDF files.

Folders are created individually for G2A and G2O files in the output destination for PDF files, and the created PDF files are stored to their respective folders.

4.3 Automatic Conversion at Specified Date and Time

The following explains how to execute an automatic conversion at specified date and time with GT Reporting Tool.
To execute automatic conversions for G2A and G2O files, configure the settings in [Resource File Settings].
☞ Page 40 When converting a G2A or G2O file

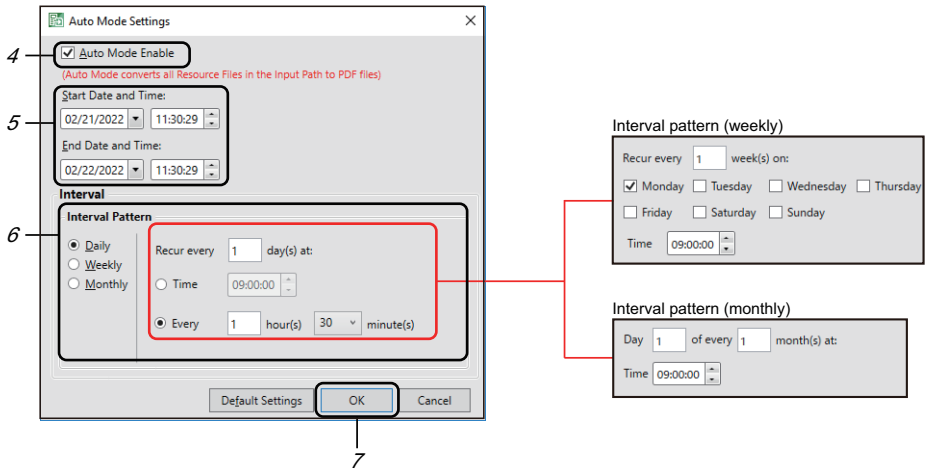


1. In [Select Input] in the main window, enter the path to the folder that stores the resource data.
Or, click the [Browse] button to open the [Browse For Folder] dialog, and select the folder.
For details on the main window, refer to the following.
☞ Page 10 Main Window

2. In [Select Output], select a folder to store the converted PDF files.

3. Click the [Auto Mode Settings] button on the toolbar.
The [Auto Mode Settings] dialog appears.
For details on the [Auto Mode Settings] dialog, refer to the following.
☞ Page 27 [Auto Mode Settings] Dialog

4. Select [Auto Mode Enable] in the [Auto Mode Settings] dialog.



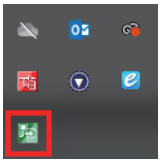
5. Set [Start Date and Time] and [End Date and Time].

6. Select an interval pattern, and set the interval of automatic conversions.

7. Click the [OK] button to apply the settings.

8. Click the [Close] button to exit GT Reporting Tool.

When the automatic conversion mode is enabled, the GT Reporting Tool icon is created in the system tray and an automatic conversion is performed at specified date and time.



Folders are created individually for G2A, G2L, G2O, and G2R files in the output destination for PDF files, and the created PDF files are stored to their respective folders.

9. Right-click the GT Reporting Tool icon in the system tray and click the [Open] button to switch to the manual conversion mode.

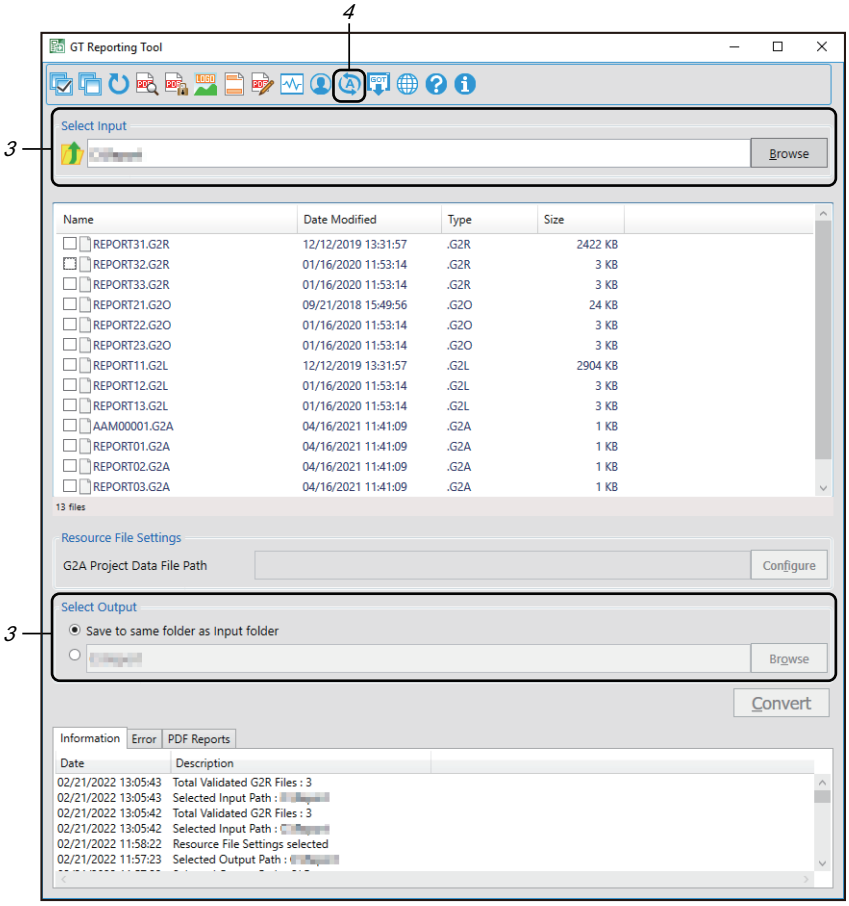
For details on the GT Reporting Tool icon displayed in the system tray, refer to the following.

☞ Page 30 GT Reporting Tool icon in the system tray

Accessing the network drive

The following explains how to read the resource data files from the network drive or output the PDF files to the network drive.

1. Right-click [GT Reporting Tool] in the Windows start menu.
2. Click [More] and select [Run as administrator] to start GT Reporting Tool.



3. Enter the path to the network drive in [Select Input] or [Select Output] in the main window.
4. Click the [Auto mode] button on the toolbar.

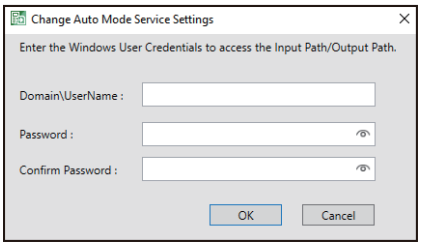
The [Auto Mode Settings] dialog appears.

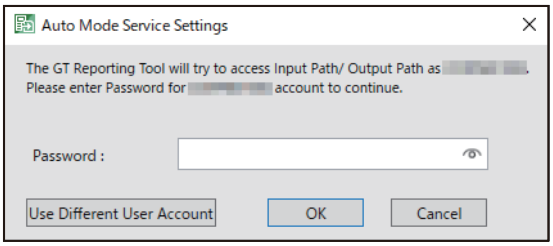
For the settings in the [Auto Mode Settings] dialog, refer to the following.

☞ Page 43 Automatic Conversion at Specified Date and Time

5. Click the [OK] button in the [Auto Mode Settings] dialog. Either of the following dialogs appears according to the access condition of the network drive.

- Accessing the network drive for the first time or changing the user who accesses the network drive: The [Change Auto Mode Service Settings] dialog appears.
- Accessing the network drive with the same user name as the last time: The [Auto Mode Service Settings] dialog appears.



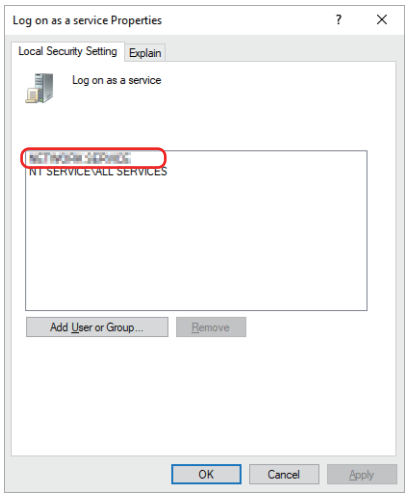


When changing the user who accesses the network drive, click the [Use Different User Account] button in the [Auto Mode Service Settings] dialog to display the [Change Auto Mode Service Settings] dialog.

6. Complete entries in the setting items and click the [OK] button to apply the settings.

Point

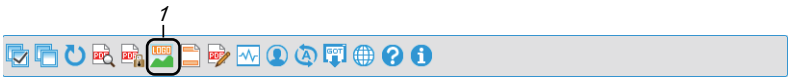
When a user name is entered in the [Change Auto Mode Service Settings] dialog, the user name is automatically added to user accounts in group policy or the user account is changed.
User accounts in group policy can be checked in the [Log on as a service Properties] dialog.
The [Log on as a service Properties] dialog is displayed as follows.
In the Windows Control Panel, select [Administrative Tools] → [Local Security Policy] → [Local Policy] → [User Rights Assignment] → [Log on as a service] → [Log on as a service Properties].



4.4 Setting a Logo

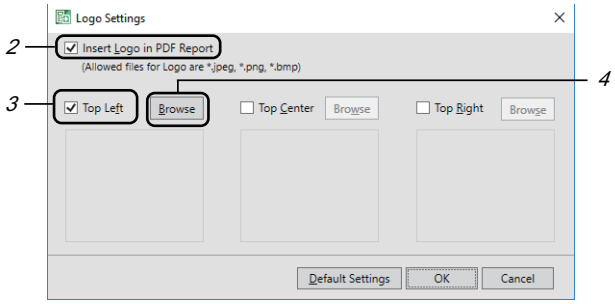
The following explains how to insert an image file in the PDF file.
Example) Inserting an image in the top left

1. Click the [Logo Settings] button on the toolbar.



The [Logo Settings] dialog appears.
For details on the [Logo Settings] dialog, refer to the following.
☞ Page 20 [Logo Settings] Dialog

2. Select [Insert Logo in PDF Report].

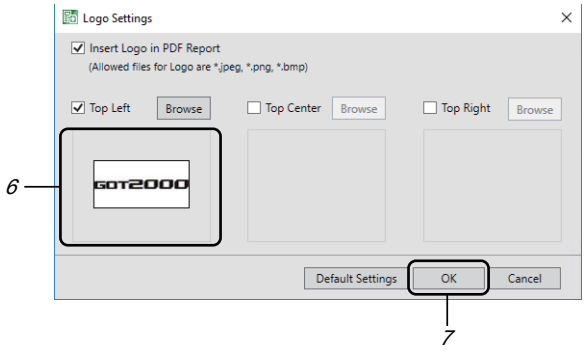


3. Select [Top Left].

4. Click the [Browse] button.

5. Select an image file to be inserted in the [Select file] dialog.

6. The image is previewed as shown below.



7. Click the [OK] button to apply the settings.

4.5 Setting a Header and a Footer

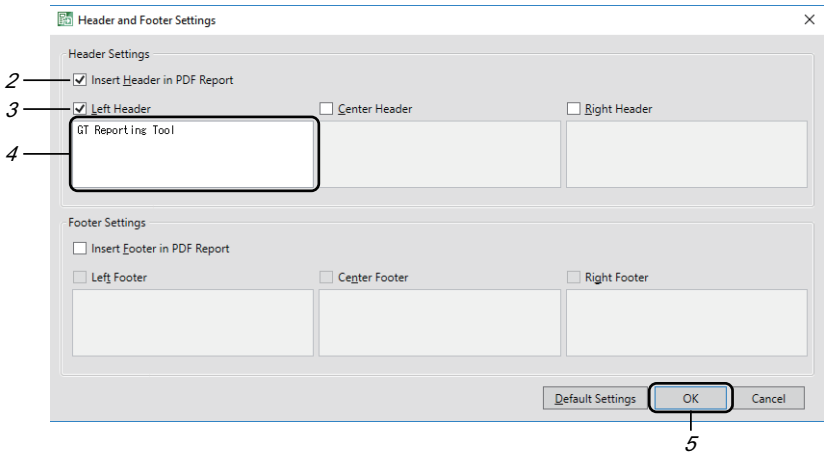
Setting a header

The following explains how to insert a header in the PDF file.
Example) Inserting a header on the left of the PDF file

1. Click the [Header and Footer Settings] button on the toolbar.

The [Header and Footer Settings] dialog appears.
For details on the [Header and Footer Settings] dialog, refer to the following.
☞ Page 21 [Header and Footer Settings] Dialog

2. Select [Insert Header in PDF Report].



3. Select [Left Header].

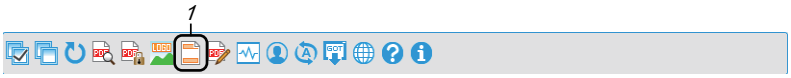
4. Enter a text to be inserted.

5. Click the [OK] button to apply the settings.

Setting a footer

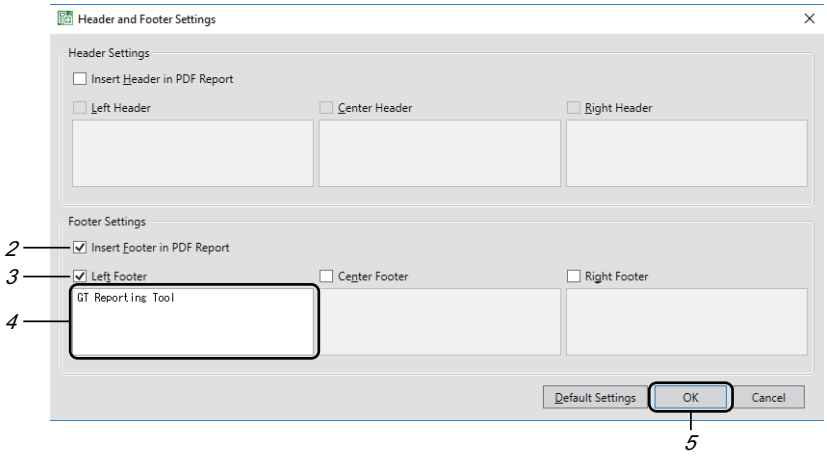
The following explains how to insert a footer in the PDF file.
Example) Inserting a footer on the left of the PDF file

1. Click the [Header and Footer Settings] button on the toolbar.



The [Header and Footer Settings] dialog appears.
For details on the [Header and Footer Settings] dialog, refer to the following.
☞ Page 21 [Header and Footer Settings] Dialog

2. Select [Insert Footer in PDF Report].



3. Select [Left Footer].

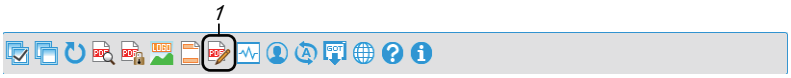
4. Enter a text to be inserted.

5. Click the [OK] button to apply the settings.

4.6 Displaying the Resource Data File Information

The following explains how to display the resource data file information in the PDF file.

1. Click the [Report Formatting] button on the toolbar.

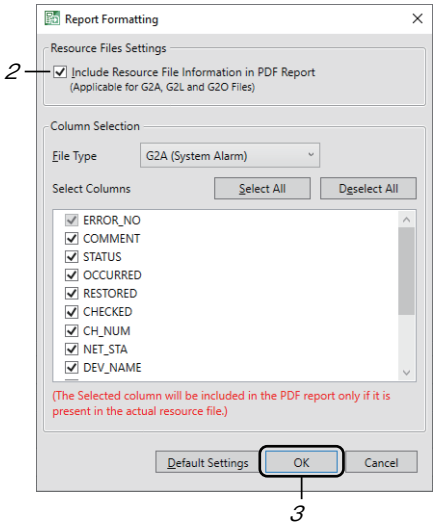


The [Report Formatting] dialog appears.

For details on the [Report Formatting] dialog, refer to the following.

☞ Page 23 [Report Formatting] Dialog

2. Select [Include Resource File Information in PDF Report].

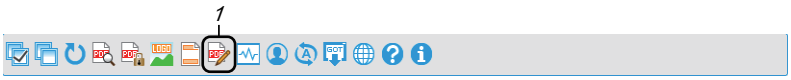


3. Click the [OK] button to apply the settings.

4.7 Selecting Resource Data Display Items

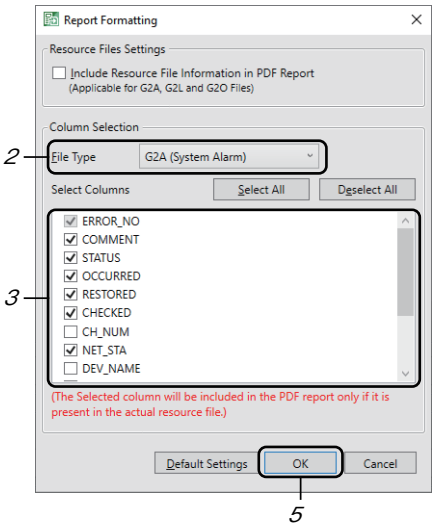
The following explains how to set the resource data items to be displayed in the PDF file.
Display items can be set individually for [G2A (System Alarm)], [G2A (User Alarm), and [G2O].

1. Click the [Report Formatting] button on the toolbar.



The [Report Formatting] dialog appears.
For details on the [Report Formatting] dialog, refer to the following.
☞ Page 23 [Report Formatting] Dialog

2. Select a file type for [File Type].



3. Select the items to be displayed in the PDF file.

4. To set display items for another file type, repeat step 2 to 3.

Even though you change the file type for [File Type], the display items set for the current file type will be held.

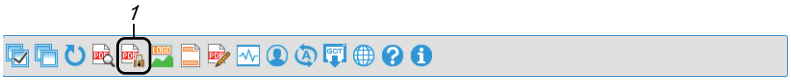
5. Click the [OK] button to apply the settings.

4.8 Setting a Password and Digital Signature for PDF Files

Setting a password for PDF files

The following explains how to set a password for PDF files.

1. Click the [PDF Security Settings] button on the toolbar.

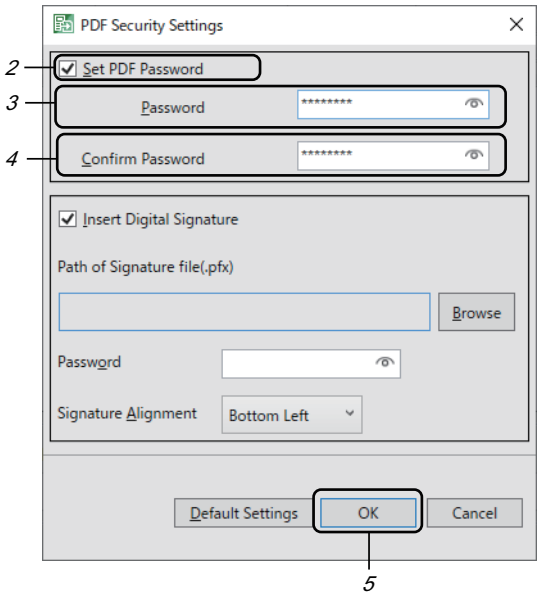


The [PDF Security Settings] dialog appears.

For details on the [PDF Security Settings] dialog, refer to the following.

☞ Page 19 [PDF Security Settings] Dialog

2. Select [Set PDF Password].



3. Enter an authentication password in [Password].

4. Reenter the password in [Confirm Password].

5. Click the [OK] button to apply the settings.

After setting the password for PDF files with GT Reporting Tool, when you open the converted PDF file, the dialog prompting you to enter the password appears.

In the dialog, enter the password set in the [PDF Security Settings] dialog.

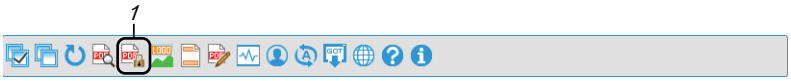
Setting a digital signature

The following explains how to insert a digital signature.

Point

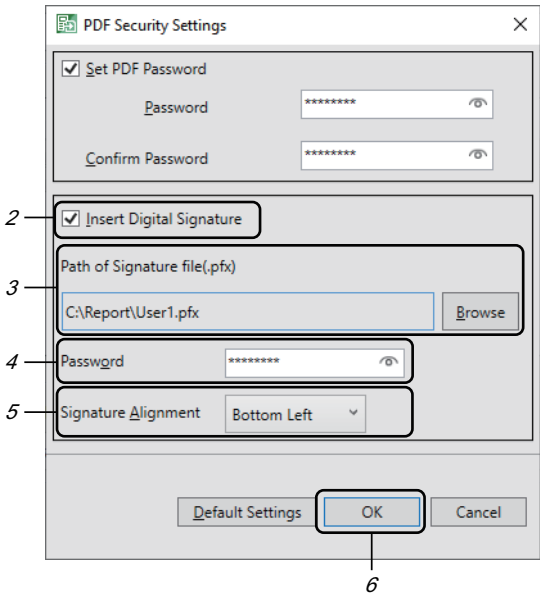
To set a digital signature, you need to create a digital signature in Adobe Reader in advance.
For how to create a digital signature in Adobe Reader, refer to the following.
☞ Acrobat Reader Help

1. Click the [PDF Security Settings] button on the toolbar.



The [PDF Security Settings] dialog appears.
For details on the [PDF Security Settings] dialog, refer to the following.
☞ Page 19 [PDF Security Settings] Dialog

2. Select [Insert Digital Signature].



3. Click the [Browse] button in [Path of Signature file(.pfx)] and select a digital signature file to be inserted.

4. Enter the password set to the inserted digital signature file in [Password].

5. Select the position of the digital signature to be inserted in PDF files in [Signature Alignment].

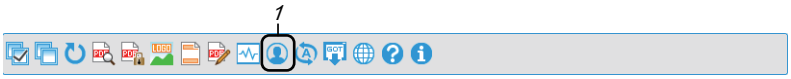
6. Click the [OK] button to apply the settings, and a blank page is added to the end of the PDF file.

The digital signature is inserted in the blank page.

4.9 Registering a User

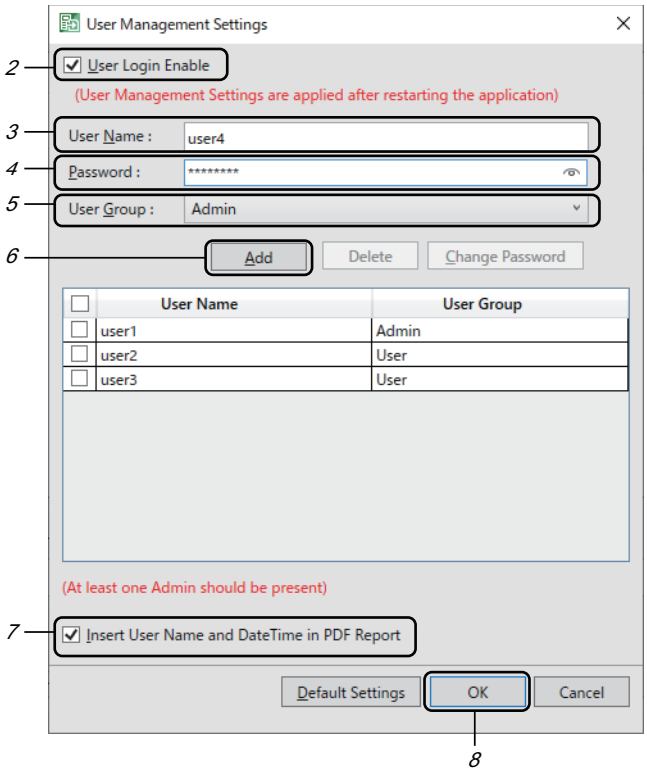
The following explains how to register user information to GT Reporting Tool.

1. Click the [User Management] button on the toolbar.



The [User Management Settings] dialog appears.
For details on the [User Management Settings] dialog, refer to the following.
☞ Page 25 [User Management Settings] Dialog

2. Select [User Login Enable].



3. Set a user name.

4. Set a password.

You can change the password later.

5. Select the user group (privilege level).

6. Click the [Add] button, and the new user is displayed in the user list.

Up to 10 users can be registered.

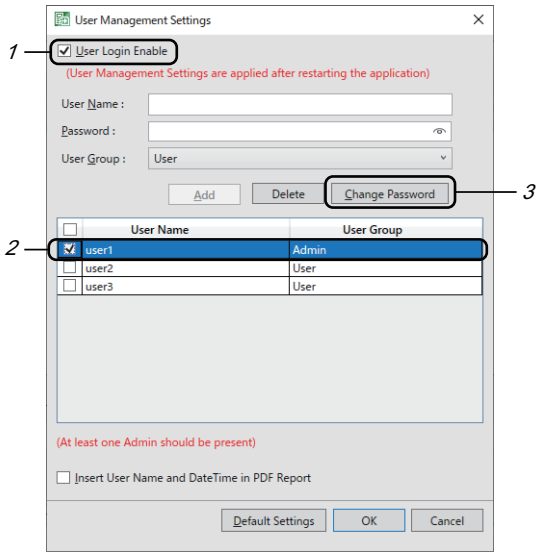
7. To insert the user name, date, and time in PDF files, select [Insert User Name and Date Time in PDF Report].

8. Click the [OK] button to apply the settings.

Changing a password

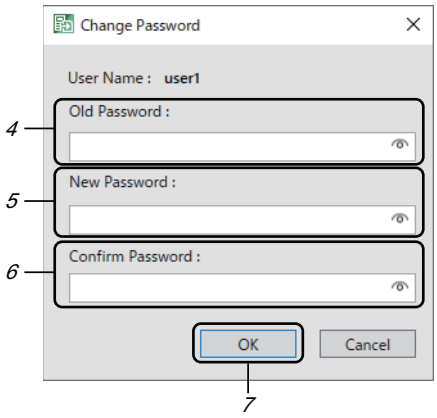
The following explains how to change a user password in the [User Management Settings] dialog.

1. Select [User Login Enable] in the [User Management Settings] dialog.



2. In the user list, select a user whose password is to be changed.

3. Click the [Change Password] button to display the [Change Password] dialog.



4. Enter the current password.

5. Enter a new password.

6. Reenter the new password in [Verify Password].

7. Click the [OK] button to apply the settings.

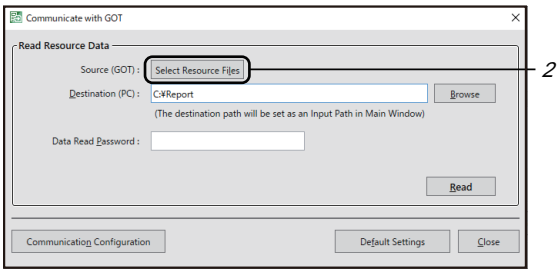
4.10 Reading resource data from GOT

The following explains how to read the resource data from the GOT.

1. Click the [Communicate with GOT] button on the toolbar.

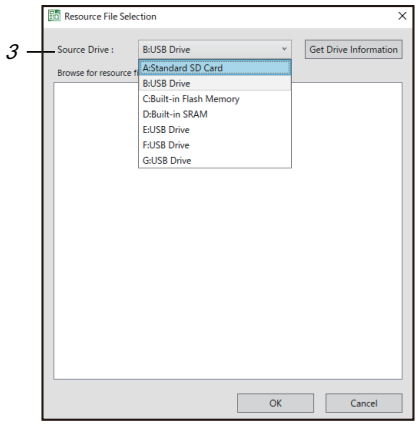
The [Communicate with GOT] dialog appears.
For details on the [Communicate with GOT] dialog, refer to the following.
☞ Page 31 [Communicate with GOT] dialog

2. Click the [Select Resource Files] button.

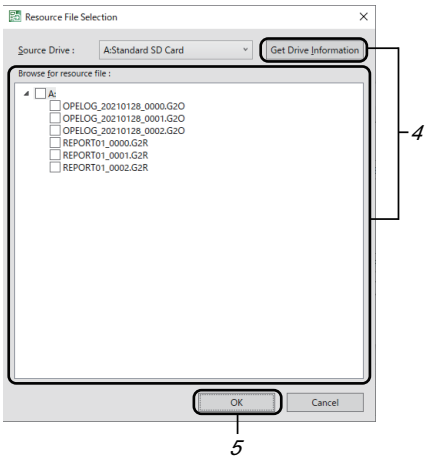


The [Resource File Selection] dialog appears.

3. Select the read source drive in [Source Drive].

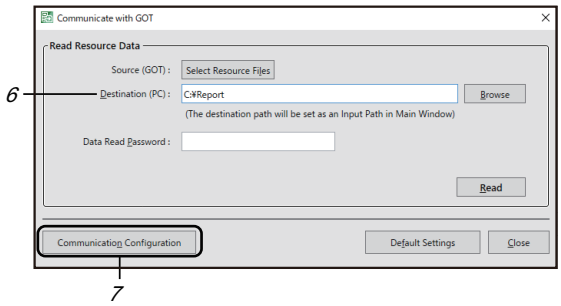


4. Click the [Get Drive Information] button to display all the resource data files in [Browse for resource file].
Select the resource data files to be read.

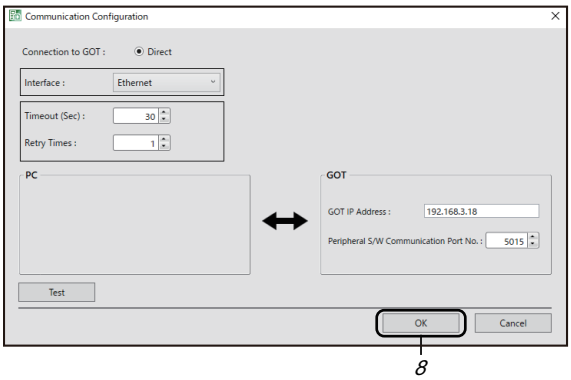


5. Click the [OK] button to apply the settings.

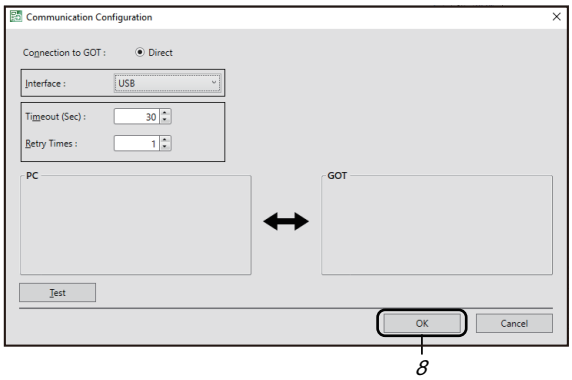
6. Set the save destination of the resource data in [Destination (PC)].



7. Click the [Communication Configuration] button to display the [Communication Configuration] dialog.



For Ethernet connection



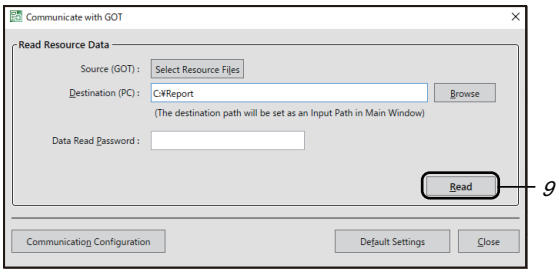
For USB connection

For details on the [Communication Configuration] dialog, refer to the following.

☞ Page 33 [Communication Configuration] dialog

8. Set how to connect to the GOT and click the [OK] button.

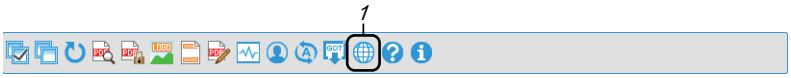
9. Click the [Read] button to read the resource data.



4.11 Switching the Language

The following explains how to switch the display language.

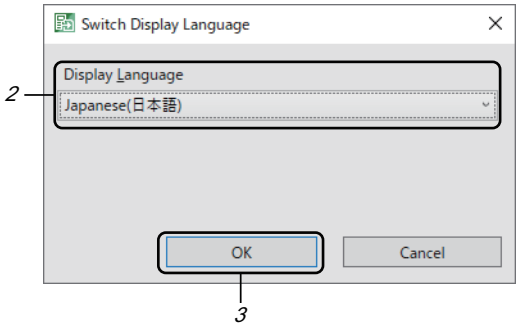
1. Click the [Switch Display Language] button on the toolbar.



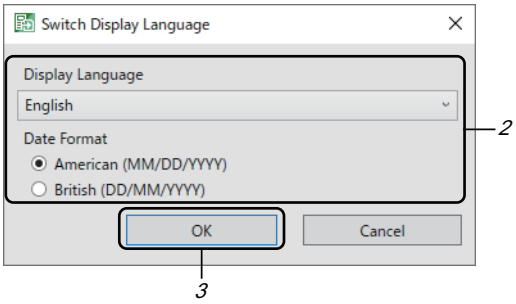
The [Switch Display Language] dialog appears.

For details on the [Switch Display Language] dialog, refer to the following.

☞ Page 34 [Switch Display Language] Dialog



When [Japanese(日本語)] is selected



When [English] is selected

2. Select a display language.

When English is selected, set the date format.

3. Click the [OK] button to apply the setting.

For the items that the display language switching does not support, refer to the following.

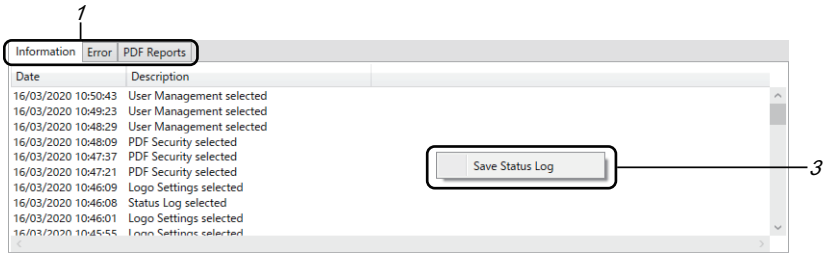
☞ Page 34 Items that do not support the display language switching

4.12 Saving the Status Logs

The following explains how to save the status logs.

Two methods are available for saving the status logs as follows.

Saving the status logs using the status display



1. Select the [Information], [Errors], or [PDF Reports] tab on the status display.

For details on the status display, refer to the following.

☞ Page 14 Status display

2. Right-click anywhere on the status display.

3. Select [Save Status Log], and the dialog prompting you to select the save destination for the status log files appears.

4. Specify the save destination and click the [Save] button.

The status logs in the [Information], [Errors], or [PDF Reports] tab are saved in the format set in the [Status Log Settings] dialog.

To change the format, refer to the following.

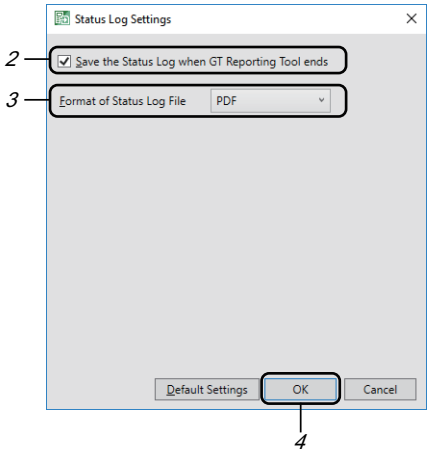
☞ Page 60 Saving the status logs using the [Status Log Settings] dialog on the toolbar

Saving the status logs using the [Status Log Settings] dialog on the toolbar

1. Click the [Status Log] button on the toolbar.

The [Status Log Settings] dialog appears.
For details on the [Status Log Settings] dialog, refer to the following.
☞ Page 35 [Status Log Settings] Dialog

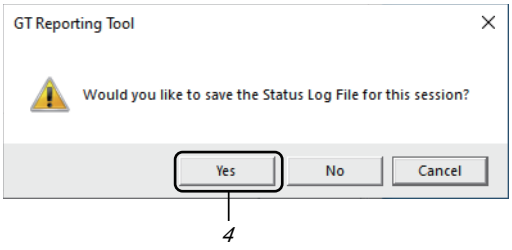
2. Select [Save the Status Log when GT Reporting Tool ends].



3. Select a file format in the [Format of Status Log File].

4. Click the [OK] button to apply the setting.

5. Click the [Close] button on the upper right of the main window to exit GT Reporting Tool.
When automatic conversion is enabled, the status logs are saved at the specified end date and time for automatic conversions before GT Reporting Tool is exited.
When automatic conversion is disabled, the dialog prompting you to select whether to save the status logs appears before GT Reporting Tool is exited.
Click the [Yes] button to save the logs, or click the [No] button to not save the logs.



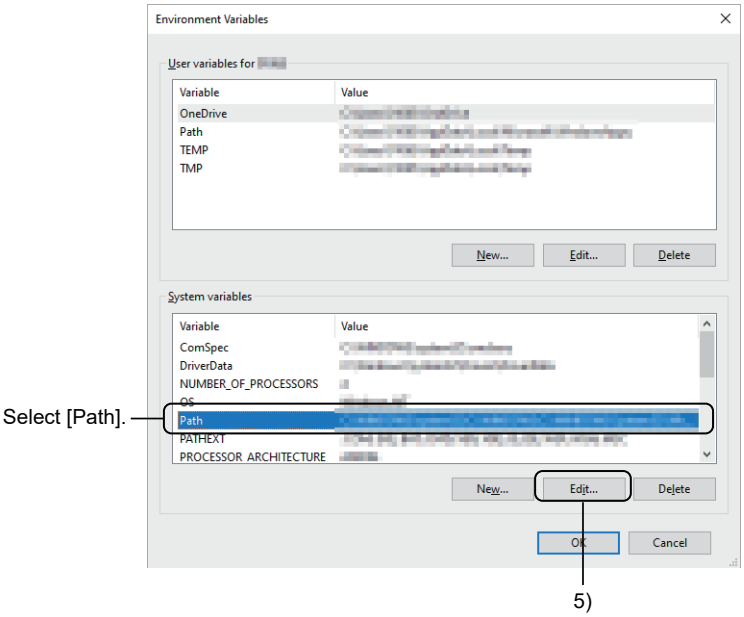
6. Clicking the [Yes] button displays the dialog prompting you to select the save destination for the status log files.

7. Specify the save destination and click the [Save] button.

4.13 Operation with a Command Line

Some functions of GT Reporting Tool can be executed with a command line.
Before starting operation with a command line, complete the following procedure.

1. Install the latest version of Data Transfer Tool.
2. In the Windows Control Panel, select [System and Security] → [System] to display the [System] window.
3. Select [Advanced system settings] to display the [System Properties] dialog.
4. In the [Advanced] tab, click the [Environment Variables] button to display the [Environment Variables] dialog.
5. In [Environment Variables], select [Path] and click the [Edit] button to display the [Edit environment variable] dialog.



6. Click the [New] button and add the path to the executable file for GT Reporting Tool.

Example) C:\Program Files (x86)\MELSOFT\GT Reporting Tool\GTRConvert

For the functions executable with a command line, refer to the following.

☞ Page 63 Setting a user group
☞ Page 64 Setting to defaults
☞ Page 65 Setting a logo
☞ Page 66 Setting a password for PDF files
☞ Page 67 Setting a digital signature
☞ Page 68 Registering a user
☞ Page 69 Inserting a user name
☞ Page 69 Deleting a user
☞ Page 70 Changing a password
☞ Page 70 Acquiring the user list
☞ Page 71 Setting the storage destination of the resource data
☞ Page 71 Creating the resource data list (GetFileList)
☞ Page 72 Setting an output destination for PDF files
☞ Page 72 Displaying the setting details
☞ Page 73 Converting resource data
☞ Page 76 Switching the language
☞ Page 77 Setting a file format for the status logs
☞ Page 77 Displaying the resource data file information
☞ Page 78 Selecting resource data display items
☞ Page 79 Setting a header
☞ Page 80 Setting a footer
☞ Page 81 Displaying the version information
☞ Page 81 Displaying Help

For details on error messages, refer to the following.

☞ Page 82 Error messages and corrective actions

The following explains the command format.

Example) GTRConvert /LogoSettings [/InsertLogo _Insert_Logo] [-FilePathName _Path_Name] [-LogoAlign _Logo_Align]

Symbol	Description
/	Necessary command field
-	Command option
[ ]	Omittable command

The following characters cannot be used for a command line.

&^

Point

Settings with a command line are not applied to GT Reporting Tool.

Settings with GT Reporting Tool and settings with a command line do not affect each other.

Example) Although a user is added with a command line, the user is not added at a start of GT Reporting Tool.

Setting a user group

Setting a user group (Admin/User) enables you to place restrictions on usable functions.

Set privileges as follows.

☞ Page 68 Registering a user

The following shows the restrictions on each function.

○: Available, ×: Not available

Function	Administrator privilege	User privilege
Default setting	○	×
Logo setting	○	×
PDF password setting	○	×
Digital signature setting	○	×
User registration	○	×
User name insertion	○	×
User deletion	○	×
Password change	○	×
User list acquisition	○	×
Resource data storage destination setting	○	○
Resource data list display	○	○
PDF file output destination setting	○	○
Setting detail display	○	×
Resource data conversion	○	○
Language switching setting	○	×
Status log file format setting	○	×
Display of resource data file information	○	×
Selection of resource data display items	○	×
Header setting	○	×
Footer setting	○	×
Version information display	○	○
Help display	○	○

Setting to defaults

Reset the following settings to defaults.

- Logo
- PDF password
- Digital signature
- User registration
- User name insertion
- Status log file format setting
- Display of resource data file information
- Selection of resource data display items
- Header and footer settings

Format

Describe a command line in the following formats.

GTRConvert /DefaultSettings [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Setting a logo

Configure the settings to insert an image file in a PDF file.

Format

Describe a command line in the following formats.

GTRConvert /LogoSettings [/InsertLogo _Insert_Logo] [-InsertTopLeftLogo _Insert_Top_Left_Logo] [-FilePathForTopLeft _Path_Name_Top_Left] [-InsertTopCenterLogo _Insert_Top_Center_Logo] [-FilePathForTopCenter _Path_Name_Top_Center] [-InsertTopRightLogo _Insert_Top_Right_Logo] [-FilePathForTopRight _Path_Name_Top_Right] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/InsertLogo	Insert_Logo	Set the availability of image file insertion. • Disable (Default) • Enable When specifying "Enable", enable at least one of -InsertTopLeftLogo, -InsertTopCenterLogo, and -InsertTopRightLogo.
-InsertTopLeftLogo	Insert_Top_Left_Logo	Set the availability of left-aligned image file insertion. • Disable (Default) • Enable When specifying "Enable", be sure to specify -FilePathForTopLeft.
-FilePathForTopLeft	Path_Name_Top_Left	Set the path to the left-aligned image file and the file name.*1 If left-aligned image file insertion is "Disable", the image cannot be set even though the path to the image and the file name are specified.
-InsertTopCenterLogo	Insert_Top_Center_Logo	Set the availability of centered image file insertion. • Disable (Default) • Enable When specifying "Enable", be sure to specify -FilePathForTopCenter.
-FilePathForTopCenter	Path_Name_Top_Center	Set the path to the centered image file and the file name.*1 If centered image insertion is "Disable", the image cannot be set even though the path to the image and the file name are specified.
-InsertTopRightLogo	Insert_Top_Right_Logo	Set the availability of right-aligned image file insertion. • Disable (Default) • Enable When specifying "Enable", be sure to specify -FilePathForTopRight.
-FilePathForTopRight	Path_Name_Top_Right	Set the path to the right-aligned image file and the file name.*1 If right-aligned image insertion is "Disable", the image cannot be set even though the path to the image and the file name are specified.
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

*1 The following shows the setting requirements.
· Enter the path and file name with 247 characters or less.
· If spaces are included, enclose the path or file name in double quotation marks (" ").
· The following characters cannot be used.
< > * " " / ?
(Slash marks (/) can be used only for the path.)
· The path to a local drive (C, D, E, or F), USB disk, USB drive, or network drive can be specified.

Input example

Example) Inserting an image file (Mitsubishi_Logo.jpeg) in the local drive (D:\Sample Logo) to the left in the converted PDF file

GTRConvert /LogoSettings /InsertLogo _Enable -InsertTopLeftLogo _Enable -FilePathForTopLeft _"D:\Sample Logo\Mitsubishi_Logo.jpeg"

Setting a password for PDF files

Set a security password for the PDF file.

Format

Describe a command line in the following formats.

GTRConvert /PDFPassword [/SetPDFPwd _PDF_Pwd] [-Pwd _New_Pwd] [-ConfirmPwd _Cnf_Pwd] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/SetPDFPwd	PDF_Pwd	Set the availability of security password setting. • Disable (Default) • Enable
-Pwd	New_Pwd	Set a password for the PDF file. For requirements for setting a PDF password, refer to the following. ☞ Page 19 Requirements for setting a PDF password
-ConfirmPwd	Cnf_Pwd	Reenter the password for the PDF file.
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Setting the password (Pass@1234) for the converted PDF file

GTRConvert /PDFPassword /SetPDFPwd _Enable -Pwd _Pass@1234 -ConfirmPwd _Pass@1234

Setting a digital signature

Insert a digital signature in PDF files.

Point

To set a digital signature, you need to create a digital signature in Adobe Reader in advance.
For how to create a digital signature in Adobe Reader, refer to the following.
☞ Acrobat Reader Help

Format

Describe a command line in the following formats.
GTRConvert /DigSign [/InsertDigSign _Dig_Sign] [-FilePathName _Path_Name] [-SignPwd _Sign_Pwd] [-SignAlign _Sign_Align] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/InsertDigSign	Dig_Sign	Set the availability of digital signature file insertion. • Disable (Default) • Enable
-FilePathName	Path_Name	Set the path to the digital signature file (.pfx) and file name. Enter the path and file name with 247 characters or less. If spaces are included, enclose the path or file name in double quotation marks (" "). The following characters cannot be used. < > * " " / ? (Slash marks (/) can be used only for the path.) The path to a local drive (C, D, E, or F), USB disk, USB drive, or network drive can be specified.
-SignPwd	Sign_Pwd	Set a password for the digital signature file (.pfx).
-SignAlign	Sign_Align	Set where to insert the digital signature file. • BottomLeft (Default) • BottomCenter • BottomRight If a position other than the above is set, the default setting (BottomLeft) is applied.
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Setting a digital signature file (.pfx) as follows
File path: D:\PDF Security\Digital Signature
File name: Sample.pfx
Password for the digital signature file (.pfx): Ashish
GTRConvert /DigSign /InsertDigSign _Enable -FilePathName _ "D:\PDF Security\Digital Signature\Sample.pfx" -SignPwd _Ashish -SignAlign _BottomLeft

Registering a user

Add new user information to the user list.

Format

Describe a command line in the following formats.

GTRConvert /AddUser [/EnableUserLogin _User_Login] [-UserName _User_Name] [-UserPwd _User_Pwd] [-UserGroup _User_Group] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/EnableUserLogin	User_Login	Set whether to enable the user login. • Disable (Default) • Enable When the user login is disabled, the following commands are not executed and the error codes are displayed. • InsertUser • DeleteUser • ChangePassword • GetUserList
-UserName	User_Name	Set a new user name. Up to 10 users can be registered. For requirements for setting a user name, refer to the following. ☞ Page 26 Requirements for setting a user name
-UserPwd	User_Pwd	Set a password for the new user. For requirements for setting a password, refer to the following. ☞ Page 26 Requirements for setting a password
-UserGroup	User_Group	Set the privilege level. • Admin (Default) • User If a privilege other than the above is set, the default setting (Admin) is applied. Set the administrator privilege for the user added in the user list for the first time. For the privileges available for each function, refer to the following. ☞ Page 63 Setting a user group
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Adding the following user information

User name: User1

Privilege: Admin

GTRConvert /AddUser /EnableUserLogin _Enable -UserName _User1 -UserPwd _Pass@1234 -UserGroup _Admin

Inserting a user name

Insert the name of the logged-in user of GT Reporting Tool and the date and time of the conversion in all PDF files.

Format

Describe a command line in the following formats.

GTRConvert /InsertUserName [/InsertUserNameOnPDF _Name_On_PDF] [/LoginUserName _User_Name] [/LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/InsertUserNameOnPDF	Name_On_PDF	Set the availability of user name and date and time insertion. • Disable (Default) • Enable
/LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
/LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Inserting the user name (User1) in the converted PDF file

GTRConvert /InsertUserName /InsertUserNameOnPDF _Enable /LoginUserName _User1 /LoginPwd _Pass@1234

Deleting a user

Delete the specified user from the user list.

Format

Describe a command line in the following formats.

GTRConvert /DeleteUser [/DelUserName _User_Name] [/LoginUserName _User_Name] [/LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/DelUserName	User_Name	Specify the user to be deleted from the user list.
/LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
/LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Deleting User1 from the user list

GTRConvert /DeleteUser /DelUserName _User1 /LoginUserName _User1 /LoginPwd _Pass@1234

Changing a password

Change the password of a user registered in the user list.

Format

Describe a command line in the following formats.

GTRConvert /ChangePassword [/ExistingUserName _User_Name] [/OldPwd _Old_Pwd] [/NewPwd _New_Pwd] [/ConfirmPwd _Confirm_Pwd] [/LoginUserName _User_Name] [/LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/ExistingUserName	User_Name	Specify the name of the user whose password is to be changed.
/OldPwd	Old_Pwd	Specify the old password.
/NewPwd	New_Pwd	Specify the new password. For requirements for setting a password, refer to the following. ☞ Page 26 Requirements for setting a password
/ConfirmPwd	Confirm_Pwd	Reenter the new password.
/LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
/LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Changing the User1's password to Test@1234

GTRConvert /ChangePassword /ExistingUserName _User1 /OldPwd _Pass@1234 /NewPwd _Test@1234 /ConfirmPwd _Test@1234 /LoginUserName _User1 /LoginPwd _Pass@1234

Acquiring the user list

Display the list of the registered users.

Format

Describe a command line in the following formats.

GTRConvert /GetUserList [/LoginUserName _User_Name] [/LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
/LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) When 10 users have been added to the GTRConvert API

GTRConvert/GetUserList/LoginUserName_User 1/LoginPwd_Pass@1234

After the command is executed, the list of the users who are managed in the user list file is updated in the GTRConvert API.

The updated user list is stored in C:\ProgramData\GT Reporting Tool\GTRConvert\UserList.

The user list is an xml file without an extension. Only the administrator can edit the file.

Setting the storage destination of the resource data

Set the folder that stores the resource data.

Format

Describe a command line in the following formats.

GTRConvert /SetInputPath [/InputPath _Input_Path]

Option

Option	Variable	Description
/InputPath	Input_Path	Set the path to the folder that stores the resource data. Set the path with 242 characters or less. If spaces are included, enclose the path or file name in double quotation marks (" "). The following characters cannot be used. < > * " " / ? (Slash marks (/) can be used only for the path.) The path to a local drive (C, D, E, or F), USB disk, USB drive, or network drive can be specified. Default path: C:\Users\<User Name>\Documents

Input example

Example) When the resource data is stored in D:\SourceFlies

GTRConvert /SetInputPath /InputPath _D:\SourceFlies

Creating the resource data list (GetFileList)

Acquire the information on the storage destination of resource data and create the GetFileList file.

Before converting resource data, create the GetFileList file.

For resource data conversion, refer to the following.

☞ Page 73 Converting resource data

Format

Describe a command line in the following formats.

GTRConvert /GetFileList

GetFileList

After the command is executed, the GetFileList file is created or updated in the following folder.

C:\ProgramData\GT Reporting Tool\GTRConvert

The GetFileList file is an xml file without an extension. Only Windows administrator can edit the file.

Setting an output destination for PDF files

Set an output destination for PDF files.

Format

Describe a command line in the following formats.

GTRConvert /SetOutputPath [/OutputPath_Output_Path]

Option

Option	Variable	Description
/OutputPath	Output_Path	Set an output destination for converted PDF files. Set the path with 242 characters or less. If spaces are included, enclose the path or file name in double quotation marks (" "). The following characters cannot be used. < > * " " / ? (Slash marks (/) can be used only for the path.) The path to a local drive (C, D, E, or F), USB disk, USB drive, or network drive can be specified. Default path to the output destination: C:\Users\<User Name>\Documents

Input example

Example) Storing the converted PDF files in D:\Converted Files

GTRConvert /SetOutputPath /OutputPath _"D:\Converted Files"

Displaying the setting details

Display the setting details of the GTRConvert API.

Format

Describe a command line in the following formats.

GTRConvert /ShowConfig [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Point

The following items are not displayed even when the command is executed.

- Setting to defaults
- Deleting a user
- Changing a password
- Displaying the version information
- Displaying Help

Converting resource data

Convert resource data to PDF files.

When converting resource data to a PDF file, the information on the data must be registered in the SelectedFileList file.

To register the resource data information in the SelectedFileList file, copy the information from the GetFileList file to the SelectedFileList file.

Point

Create the GetFileList file by executing the command.

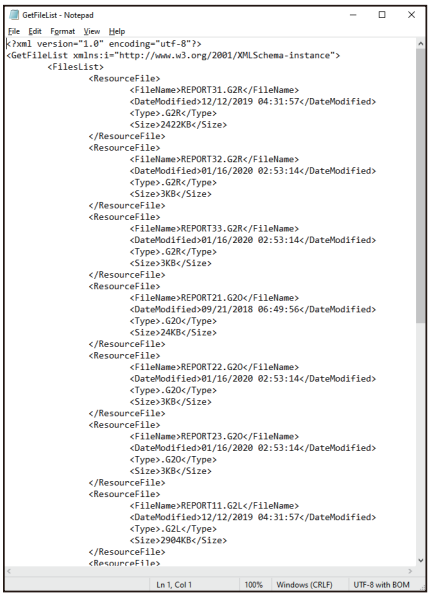
☞ Page 71 Creating the resource data list (GetFileList)

The SelectedFileList file is stored in the following folder when GT Reporting Tool is installed.

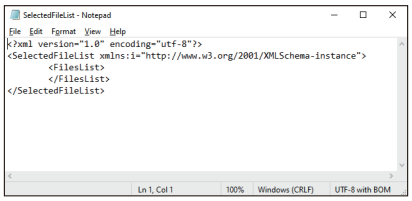
C:\ProgramData\GT Reporting Tool\GTRConvert

The following describes how to convert the resource data to PDF files.

1. Open the GetFileList file and the SelectedFileList file using the text editor.



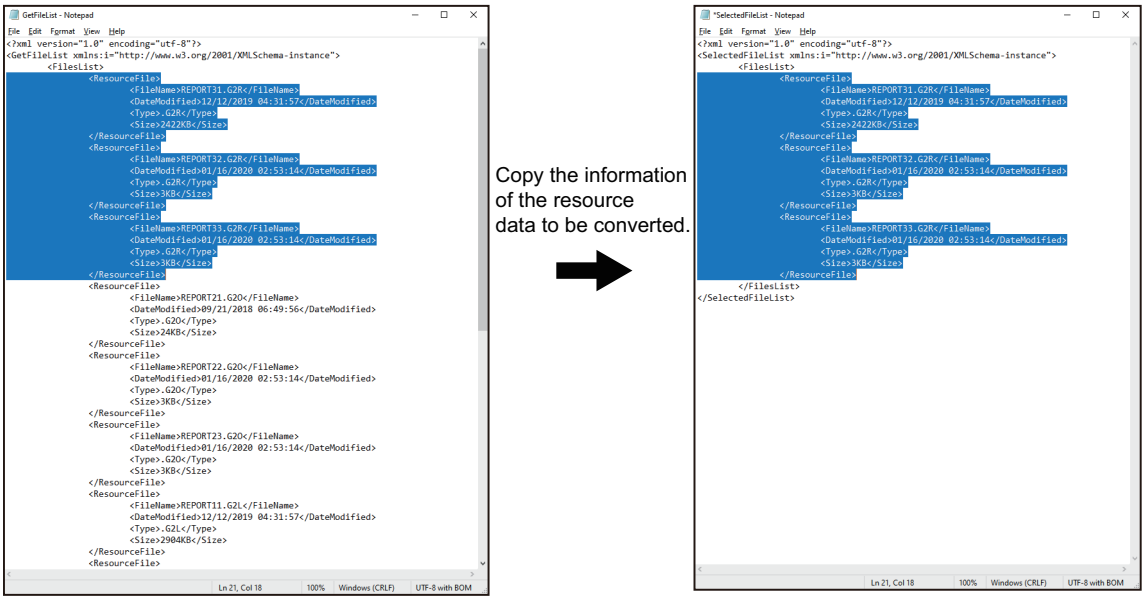
GetFileList



SelectedFileList

2. Copy the resource data information in the GetFileList file to the SelectedFileList file.

Up to 100 resource data items can be registered in the SelectedFileList file.



GetFileList

SelectedFileList

3. Save the SelectedFileList file and execute the command. The registered resource data are converted to a PDF file.

Format

Describe a command line in the following formats.

GTRConvert /Convert [-ProjectFilePathName _File_Path_Name] [-ProjectUserName _User_Name] [-ProjectUserPwd _Project_Pwd] [-ColumnNumber _Column_Number] [-G2AConvLang _G2A_Conv_Lang] [-G2OConvLang _G2O_Conv_Lang] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
-ProjectFilePathName	File_Path_Name	Specify the path to the project and the project (*.GTXS). Set the path with 247 characters or less. If spaces are included, enclose the path or file name in double quotation marks (" "). The following characters cannot be used. < > * " " / ? (Slash marks (/) can be used only for the path.) When selecting a G2A file, specifying the path to the project is essential. When selecting a G2L, G2O, or G2R file, specifying the path to the project is optional. The path to a local drive (C, D, E, or F), USB disk, USB drive, or network drive can be specified.
-ProjectUserName	User_Name	Set a user name for the specified project.
-ProjectUserPwd	User_Pwd	Set a password for the specified project.
-ColumnNumber	Column_Number	Set the comment column number. The setting range is 1 to 30. The default value is 1.
-G2AConvLang	G2A_Conv_Lang	Set the output language for G2A files. The following languages can be set when a G2A file is converted. • EN (Default): English • JP: Japanese If a language other than the above is set or this option is not set, EN is applied.
-G2OConvLang	G2O_Conv_Lang	When selecting a G2O file, set a display language for the action column of the operation log file. You can set either of the following languages when converting a G2O file. • EN (Default): English • JP: Japanese If a language other than the above is set or this option is not set, EN is applied.
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Switching the language

Set a display language.

Format

Describe a command line in the following formats.

GTRConvert /SwitchLanguage [/SetLanguage _Set_Language] [-DateFormat _Date_Format] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/SetLanguage	Set_Language	Set the display language for the GTRConvert API. • EN: English • JP: Japanese
-DateFormat	Date_Format	When the display language is set to EN, set the date format for the GTRConvert API. • US: MM/DD/YYYY (default) • GB: DD/MM/YYYY If a date format other than the above is set, the default setting (MM/DD/YYYY) is applied. When the display language is set to JP, setting the date format is not required.
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Setting the display language to EN and the date format to US

GTRConvert /SwitchLanguage /SetLanguage _EN -DateFormat _US

Setting a file format for the status logs

Set a save format for the status logs.

Format

Describe a command line in the following formats.

GTRConvert /ChangeStatusLogFormat [/SetFormat _OutputFileType] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/SetFormat	OutputFileType	Set a save format for the status logs. • PDF (Default) • Text It takes more time to save a PDF file than to save a text file.
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Displaying the resource data file information

Configure the settings to display the resource data file information in the PDF file.

Format

Describe a command line in the following formats.

GTRConvert /IncludeResourceFileInformation [/Status _Include_Resource_File_Information] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/Status	Include_Resource_File_Information	Configure the settings to display the resource data file information in the PDF file. • Enable (Default) • Disable
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Selecting resource data display items

Set the resource data items to be displayed in the PDF file.

Format

Describe a command line in the following formats.

GTRConvert /SelectColumns [/FileType _FileType] [-IncludeColumnList _ColumnName1, ColumnName2,..., ColumnNameN] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/FileType	FileType	Set the resource data intended to set display items using -IncludeColumnList. • G2ASystemAlarm (Default) • G2AUserAlarm • G2O
-IncludeColumnList	ColumnName1, ColumnName2, ..., ColumnNameN	Set the resource data items to be displayed in the PDF file. You can check the display items using Help. ☞ Page 81 Displaying Help If no item is specified, all the items are displayed in the PDF file. The following items are displayed in the PDF file even though they are not specified by the user. • For G2A (System Alarm): ERROR_NO • For G2A (User Alarm): COMMENT • For G2O: NO
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

Input example

Example) Displaying ACTION, OPNAME, and OPERATOR of a G2O file in the PDF file

GTRConvert /SelectColumns /FileType _G2O -IncludeColumnList _ACTION, OPNAME, OPERATOR

Setting a header

Set a header to be inserted in each page of the PDF file.

Format

Describe a command line in the following formats.

GTRConvert /SetHeader [/InsertHeaderOnPDFReport _Header_Settings] [-LeftHeader _LeftHeaderText] [-CenterHeader _CenterHeaderText] [-RightHeader _RightHeaderText] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/InsertHeaderOnPDFReport	Header_Settings	Set the availability of header insertion. • Disable (Default) • Enable
-LeftHeader	LeftHeaderText	Set a text to be inserted in the left-aligned header.*1
-CenterHeader	CenterHeaderText	Set a text to be inserted in the centered header.*1
-RightHeader	RightHeaderText	Set a text to be inserted in the right-aligned header.*1
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

*1 The following shows the restrictions on header entry.
· If spaces are included, enclose the path or file name in double quotation marks (" ").
· One-byte or two-byte characters can be used.
One-byte characters: Up to 5 lines containing up to 40 characters per line can be set.
Two-byte characters: Up to 5 lines containing up to 20 characters per line can be set.
· Usable one-byte symbols are periods (.), commas (,), colons (:), and one-byte spaces.
· Add "[NewLine]" to add a new line.
· "[NewLine]" is not included in the character limit.
· To disable a header, set "[Disable]" for that header.

Input example

Example) Setting three lines in a left-aligned header as shown below

- First line: GRAPHIC OPERATION TERMINAL
- Second line: GT Reporting Tool
- Third line: Help for operation

GTRConvert /SetHeader /InsertHeaderOnPDFReport _Enable -LeftHeader _"GRAPHIC OPERATION TERMINAL[NewLine]GT Reporting Tool[NewLine]Help for operation"

Example) Disabling the settings of a left-aligned header

GTRConvert /SetHeader /InsertHeaderOnPDFReport _Enable -LeftHeader _"[Disable]"

Setting a footer

Set a footer to be inserted in each page of the PDF file.

Format

Describe a command line in the following formats.

GTRConvert /SetFooter [/InsertFooterOnPDFReport _Footer_Settings] [-LeftFooter _LeftFooterText] [-CenterFooter _CenterFooterText] [-RightFooter _RightFooterText] [-LoginUserName _User_Name] [-LoginPwd _Login_Pwd]

Option

Option	Variable	Description
/InsertFooterOnPDFReport	Footer_Settings	Set the availability of footer insertion. • Disable (Default) • Enable
-LeftFooter	LeftFooterText	Set a text to be inserted in the left-aligned footer.*1
-CenterFooter	CenterFooterText	Set a text to be inserted in the centered footer.*1
-RightFooter	RightFooterText	Set a text to be inserted in the right-aligned footer.*1
-LoginUserName	User_Name	Specify the login user name to execute the current command. When no user is registered with a command line, this option can be omitted.
-LoginPwd	Login_Pwd	Specify the login password to execute the current command. When no user is registered with a command line, this option can be omitted.

*1 The following shows the restrictions on footer entry.
· If spaces are included, enclose the path or file name in double quotation marks (" ").
· One-byte or two-byte characters can be used.
One-byte characters: Up to 5 lines containing up to 40 characters per line can be set.
Two-byte characters: Up to 5 lines containing up to 20 characters per line can be set.
· Usable one-byte symbols are periods (.), commas (,), colons (:), and one-byte spaces.
· Add "[NewLine]" to add a new line.
· "[NewLine]" is not included in the character limit.
· To disable a footer, set "[Disable]" for that footer.

Input example

Example) Setting three lines in a left-aligned footer as shown below

- First line: GRAPHIC OPERATION TERMINAL
- Second line: GT Reporting Tool
- Third line: Help for operation

GTRConvert /SetFooter /InsertFooterOnPDFReport _Enable -LeftFooter _"GRAPHIC OPERATION TERMINAL[NewLine]GT Reporting Tool[NewLine]Help for operation"

Example) Disabling the settings of a left-aligned footer

GTRConvert /SetFooter /InsertFooterOnPDFReport _Enable -LeftFooter _"[Disable]"

Displaying the version information

Display the current version of the GTRConvert API.

Format

Describe a command line in the following formats.

GTRConvert/About

Displaying Help

Display the list of commands and variables used for the GTRConvert API.

Format

Describe a command line in the following formats.

GTRConvert/Help or GTRConvert/?

Error messages and corrective actions

Setting a logo

Error No.	Error description	Corrective action
EL001	The command was executed while the path to the image file and file name were not set.	Set the path to the image file and file name.
EL002	The path to the image file or file name is invalid.	Set the path to a valid image file or valid file name.
EL003	The image file is not found in the specified path. The logo setting is disabled and conversion to PDF files is executed without a logo inserted.	Set a valid image file.
EL004	Although an error occurred during batch conversion of multiple resource data files, conversion continues. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set the path to a valid image file or valid file name.
EL005	The image file is invalid or corrupt.	Set another image file.
EL006	The image file has been changed or corrupted between when the logo setting is complete and when conversion of the resource data is executed.	Set another image file.
EL007	An error occurred during batch conversion of multiple resource data files. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set another image file.
EL008	The file format is invalid.	Set a valid image file (.jpeg, .png, or .bmp).
EL009	You do not have access privilege to the specified image file.	• Set another image file. • Change the access privilege.
EL010	The access privilege to the specified folder or file has been changed between when the logo setting is complete and when conversion of the resource data is executed.	• Set another image file. • Change the access privilege.
EL011	The access privilege to the specified folder or image file has been changed during conversion of the resource data.	• Set another image file. • Change the access privilege.
EL012	No logo is set.	Set one logo or more.
EL013	The file format is invalid.	Set a valid image file (.jpeg, .png, or .bmp).

Setting a password for PDF files

Error No.	Error description	Corrective action
ES001	[Password] or [Confirm Password] is empty.	For requirements for setting a password, refer to the following. ☞ Page 19 Requirements for setting a PDF password
ES002	Requirements for setting a password are not satisfied.	For requirements for setting a password, refer to the following. ☞ Page 19 Requirements for setting a PDF password
ES003	The character string entered in [Password] and the character string entered in [Confirm Password] do not match.	Enter the character string entered in [Password] in [Confirm Password].

Setting a digital signature

Error No.	Error description	Corrective action
ED001	The path and file name for the digital signature file are invalid.	Set a valid path and file name for the digital signature file.
ED002	The digital signature file is not found in the specified path.	Set a valid path and file name for the digital signature file.
ED003	The path to the digital signature file or file name has been changed between when the setting is complete and when conversion of the resource data is executed.	To continue conversion, set the InsertDigSign option to Disable.
ED004	Although an error occurred during batch conversion of multiple resource data files, conversion continues. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set a valid path and file name for the digital signature file.
ED005	The password of the digital signature file is incorrect. When conversion is executing, the conversion continues.	Enter the correct password.
ED006	The file format is invalid.	Set a valid digital signature file (.pfx).
ED007	You do not have access privilege to the specified digital signature file.	• Set another digital signature file. • Change the access privilege.
ED008	The access privilege to the specified folder or file has been changed between when the setting is complete and when conversion of the resource data is executed.	• Set another digital signature file. • Change the access privilege.
ED009	Although an error occurred during batch conversion of multiple resource data files, conversion continues. The number of the files converted normally and the number of files in which an error occurred are displayed.	• Set another digital signature file. • Change the access privilege.
ED010	The digital signature file is invalid, corrupted, or used by a different application.	Set a valid digital signature file.
ED011	The digital signature file has become invalid, corrupted, or used by a different application between when the setting is complete and when conversion of the resource data is executed.	Set a valid digital signature file.
ED012	An error occurred during batch conversion of multiple resource data files. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set a valid digital signature file.
ED013	The digital signature file has expired.	Set a valid digital signature file.
ED014	The digital signature file has expired between when the setting is complete and when conversion of the resource data is executed.	Set a valid digital signature file.
ED015	The digital signature file has been changed to an expired file during batch conversion of multiple resource data files. If an error occurs in a file, the file is not converted. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set a valid digital signature file.

Registering a user

Error No.	Error description	Corrective action
EU001	The maximum number of users have been registered in the user list.	Delete some registered users.
EU002	This user name has already been registered.	Register a different user name.
EU003	Requirements for setting a password are not satisfied.	For requirements for setting a password, refer to the following. ☞ Page 26 Requirements for setting a password
EU004	User registration is not possible as no administrator is registered.	Register at least one administrator in the user list.
EU005	The specified user does not have privilege to execute commands.	Change the specified User_Group to Admin.
EU006	Requirements for setting a user name are not satisfied.	For requirements for setting a user name, refer to the following. ☞ Page 26 Requirements for setting a user name

Deleting a user

Error No.	Error description	Corrective action
EU007	The user name to be deleted is not found in the user list.	Change the user name to be deleted.
EU013	The user cannot be deleted.	The administrator cannot be deleted as non-administrative users remain in the user list. Delete all the users before deleting the administrator.

Changing a user password

Error No.	Error description	Corrective action
EU008	Requirements for setting a password are not satisfied.	For requirements for setting a password, refer to the following. ☞ Page 26 Requirements for setting a password
EU009	This password is used.	Set a different password.
EU010	The old password is incorrect.	Enter the correct password.
EU011	The character string entered in [Password] and the character string entered in [Confirm Password] do not match.	Enter the character string entered in [Password] in [Confirm Password].
EU012	The user name is not found in the user list.	Change the user name.

Setting a storage destination of resource data

Error No.	Error description	Corrective action
EC001	The specified path is invalid.	Set a valid storage destination of the resource data.
EC002	The path to the destination has been changed between when the setting is complete and when conversion of the resource data is executed.	Set a valid storage destination of the resource data.
EC003	The path to the storage destination of the resource data has been changed during conversion of the resource data.	Set a valid storage destination of the resource data.
EC004	The access privilege to the storage destination of the resource data has been changed.	Set a valid storage destination of the resource data.
EC005	The access privilege to the storage destination of the resource data has been changed between when the setting is complete and when conversion of the resource data is executed.	Set a valid storage destination of the resource data.
EC006	The access privilege to the destination of the resource data has been changed during conversion of the resource data.	Set a valid storage destination of the resource data.

Setting an output destination for PDF files

Error No.	Error description	Corrective action
EC008	The specified path is invalid.	Set a valid output destination for PDF files.
EC009	The path to the output destination has been changed between when the setting is complete and when conversion of the resource data is executed.	Set a valid output destination for PDF files.
EC010	The path to the output destination has been changed during conversion of the resource data.	Set a valid output destination for PDF files.
EC011	The access privilege to the output destination for PDF files has been changed.	Set a valid output destination for PDF files.
EC012	The access privilege to the output destination for PDF files has been changed between when the setting is complete and when conversion of the resource data is executed.	Set a valid output destination for PDF files.
EC013	The access privilege to the output destination for PDF files has been changed during conversion of the resource data.	Set a valid output destination for PDF files.

Converting resource data

Error No.	Error description	Corrective action
EC014	No project is not set.	Set a valid project.
EC016	The path to the storage destination of the project has been changed or the project has been deleted during conversion of the resource data. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set a valid path to the project and project file name.
EC018	The project got corrupted during conversion of the resource data. The number of the files converted normally and the number of files in which an error occurred are displayed.	Set a different project.
EC019	The file format is invalid.	Set a valid project (GTXS).
EC021	The access privilege to the specified folder or project has been changed during conversion of the resource data. Or, the specified project data file is used by a different application.	• Set a valid path. • Change the access privilege. • If the project data file is used by a different application, close the file in the applications.
EC022	A file with the same name has been stored in the output destination for PDF files.	Change the file name.
EC023	An error occurred during batch conversion of multiple resource data files. The number of the files converted normally and the number of files in which an error occurred are displayed.	• Close the PDF files and try again. • Change the access privilege.
EC024	More than 100 resource data items to be converted are registered in the SelectedFileList file.	Register up to 100 resource data.
EC025	No resource data is registered in the SelectedFileList file, or registered resource data are corrupted.	Register a valid resource data in the SelectedFileList file.
EC026	The SelectedFileList file cannot be used, or has been deleted from the install destination folder.	Reinstall GT Reporting Tool.
EC027	The specified resource data is corrupted.	Set the correct resource data.
EC028	The specified resource data has been changed.	Set the correct resource data.
EC029	The specified resource data file is empty.	Set the correct resource data.
EC030	The specified resource data cannot be accessed.	The resource data is accessed from a different application. Close the resource data and try again.
EC031	You do not have access privilege to the specified resource data.	Change the access privilege.
EC032	The following folder path has been deleted or changed, or the access privilege to the folder has been changed. C:\ProgramData\GT Reporting Tool\GTRConvert\TempReports	Reinstall GT Reporting Tool.
EC033	The user name or password for the specified project is incorrect.	Set the correct user name and password.
EC034	An error occurred in Data Transfer Tool during conversion of G2A, G2O, or G2L files.	Display Help For Data Transfer Tool, check the error message, and take corrective actions. Help For Data Transfer Tool
EC035	You do not have the privilege of accessing the project using the user name for the specified project.	Change the access privilege.

Selecting resource data display items

Error No.	Error description	Corrective action
ER001	The specified ColumnName (display item) is not available for the selected File Type.	Display Help and check the valid display items. Set the items and retry.
ER002	The variable of -IncludeColumnList is blank.	Display Help and check the display items. Set the items and retry.

Setting a header and a footer

Error No.	Error description	Corrective action
EH001	No text is set in the header.	Set a text at least in one header.
EH002	No text is set in the footer.	Set a text at least in one footer.
EH003	The text in the heater contains unsupported characters.	Set a valid text in the header.
EH004	The text in the footer contains unsupported characters.	Set a valid text in the footer.
EH005	The number of characters in the header exceeds 200 one-byte characters or 100 two-byte characters.	For the number of characters that can be entered in a header, refer to the following. • One-byte characters: Up to 5 lines containing up to 40 characters per line • Two-byte characters: Up to 5 lines containing up to 20 characters per line
EH006	The number of characters in the footer exceeds 200 one-byte characters or 100 two-byte characters.	For the number of characters that can be entered in a footer, refer to the following. • One-byte characters: Up to 5 lines containing up to 40 characters per line • Two-byte characters: Up to 5 lines containing up to 20 characters per line
EH007	The number of lines in the header exceeds 5 lines.	Set a text up to 5 lines.
EH008	The number of lines in the footer exceeds 5 lines.	Set a text up to 5 lines.
EH009	No text is set in the header.	Set a text in the header.
EH010	No text is set in the footer.	Set a text in the footer.

General errors

Error No.	Error description	Corrective action
EG001	The file path or file name exceeds 247 characters.	Enter the file path or file name with 247 characters or less.
EG002	The resource data is not found in the destination of the resource data registered in the SelectedFileList file.	Execute the command to create the GetFileList file again to change the destination of the file.
EG003	The supported GTRConvert API file is used by a different application, or the access privilege to the file has been changed.	When one of the following commands is used by a different application, exit the command. Or, change the access privilege. • SelectedFileList • UserList • GetFileList • TempStatusLog_DD-MM-YYYY.txt
EG004	The login information of the user is invalid.	Enter the login information registered in the user list.
EG005	The operation cannot be performed as the user login is disabled.	Try again with the user whose login is enabled.
EG006	The language is not supported.	Set English or Japanese.
EG007	The command is invalid.	Execute a valid command.
EG008	The order of the commands is incorrect.	Input commands in the correct order.
EG009	An option has been set in the necessary field. The necessary field is set for the option.	Input a valid command.
EG010	The option is incorrect.	Delimit the option and variable with a space or underscore.
EG011	The option is incorrect.	Use ",", "/", or "-" for the prefix of the option. Input a valid option.
EG012	The variable is incorrect.	Input a valid variable.
EG013	No option has been input for the command.	Input an option.
EG014	No variable has been input for the command.	Set a variable.
EG015	The format of the command is incorrect.	Input a valid command.
EG016	Data Transfer Tool has not been installed.	Install Data Transfer Tool.
EG017	The application is being executed.	A different command is being executed. Try again after the command execution is complete.
EG018	The application may be corrupted.	Reinstall the application.
EG019	The folder path exceeds 242 characters.	Set the folder path with 242 characters or less.
EG020	The status log file cannot be saved because the file is used by a different application, or the access privilege to the file is not granted.	Exit the other application or change the access privilege.
EG021	The file format for the status log files is invalid.	Set a valid file format (PDF or text) for the status log files.

5 PRECAUTIONS

Solutions when forgetting the password

If you forget the login password required to start GT Reporting Tool, the login attempt fails.
Reinstall GT Reporting Tool since resetting the password cannot be reset.

Windows service

To use the automatic conversion mode of GT Reporting Tool, the following Windows service must be started.

- Windows service name: GTAutoModeService

Preview of the [Log Settings] dialog

The image file set in the [Log Settings] dialog is compressed to a size of 50 dots × 100 dots when inserted in the PDF files.
Set the aspect ratio of 1:2 to the size of the image file to be inserted.

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6 ERROR CODE

The following explains the error codes that are displayed in the status display (Errors).

Error code	Explanation	Solution
E0001	The file is corrupt: <Resource data name>	Select the correct resource data.
E0002	The file has been changed: <Resource data name>	Select the correct resource data.
E0003	The file is empty: <Resource data name>	Select the correct resource data.
E0004	The file cannot be accessed: <Resource data name>	The resource data is accessed from a different application. Close the resource data and try again.
E0005	The access to the file to read failed: <Resource data name>	Change the setting so that the file becomes readable and execute conversion again.
E0006	The logo file is renamed or deleted during conversion: <Resource File Name>	Select a logo file and execute conversion again.
E0007	The digital signature file (pfx) is broken, renamed, or deleted during conversion: <Resource File Name>	Select a digital signature file (pfx) and execute conversion again.
E0008	The project data file is not accessible, broken, renamed, deleted or read access to the file is denied during conversion: <G2A File Name>	• The selected project is accessed from a different application. Stop using the project with the application and access the project again. • Allow read access to the project and execute conversion again. • Select the correct project and execute conversion again. • The selected project does not exist or is corrupted. Select the correct project and execute conversion again.

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Revision date	* Manual No.	Revisions
October 2020	BCN-P5999-1286-A	First edition: GT Reporting Tool 1.01B
July 2021	BCN-P5999-1286-B	GT Reporting Tool 1.02C • Reading resource data from the GOT is supported. • Converting G2A, G2L, and G2O files to PDF files is supported. • Automatic conversion for the network drive are supported. • Operation with a command line is supported.
April 2022	BCN-P5999-1286-C	GT Reporting Tool 1.04E • PDF file formatting is supported. • Setting the interval pattern in minutes in the [Auto Mode Settings] dialog is supported. • Setting a logo at up to three positions is supported. • Selecting a file format for the status log files is supported. • Head and footer settings are supported. • Language switching at conversion is supported for G2O files.
April 2023	BCN-P5999-1286-D	Some corrections

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