

**OpreX Auto Report and File
Conversion Software
RF10
User's Manual**

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Introduction

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This manual describes how to use the RF10. To ensure correct use, please read this manual thoroughly before beginning operation.

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How to Use This Manual

Structure of the Manual

This manual contains eight chapters.

Chapter	Title and Description
1	Before Using the Product Gives an overview of RF10 and explains the PC system requirements for the software.
2	Preparing for Auto Report and File Conversion Output Explains the preparation steps from the initial startup of RF10 to license registration.
3	Managing Users Explains user management through authentication.
4	Configuring the Auto Report and File Conversion Output Explains how to configure the output task and FTP client.
5	Operating the Auto Report and File Conversion Output Explains how to operate the output tasks and FTP client.
6	Checking the Audit Trail Explains how to check the audit trail.
7	Migrating the databases Explains how to migrate the databases.
8	Messages Lists error messages and explains how to deal with them.

Scope of This Manual

This manual does not explain the basic operations of your PC's operating system. For this information, read the Windows user's guide or related materials.

Conventions Used in This Manual

Unit	
K	Denotes 1024. Example: 768K (file size)
k	Denotes 1000.
Notes	
	Improper handling or use can lead to injury to the user or damage to the instrument. This symbol appears on the instrument to indicate that the user must refer to the user's manual for special instructions. The same symbol appears in the corresponding place in the user's manual to identify those instructions. In the manual, the symbol is used in conjunction with the word "WARNING" or "CAUTION."
WARNING	Calls attention to actions or conditions that could cause serious or fatal injury to the user, and precautions that can be taken to prevent such occurrences.
CAUTION	Calls attention to actions or conditions that could cause light injury to the user or cause damage to the instrument or user's data, and precautions that can be taken to prevent such occurrences.
Note	Calls attention to information that is important for the proper operation of the instrument.
Reference Item	
▶	Reference to related operation or explanation is indicated after this mark. Example: ▶ section 4.1
Conventions Used in the Procedural Explanations	
Bold characters	Indicates character strings that appear on the screen. Example: Voltage

Procedure

Carry out the procedure according to the step numbers. All procedures are written under the assumption that you are starting operation at the beginning of the procedure, so you may not need to carry out all the steps in a procedure when you are changing the settings.

Explanation**Description**

The explanation section describes limitations and related information about the operation.

The description describes the setting items.

Images

The images used in this manual may differ from those that actually appear in the software. Such differences do not affect the procedural explanation.

Products That This Manual Covers

Product	Version
OpreX Auto Report and File Conversion Software RF10	Up to R1.01.xx

Revision history

Edition	Explanation
1	New edition

Blank

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1.1 Overview of the Auto Report and File Conversion Software RF10

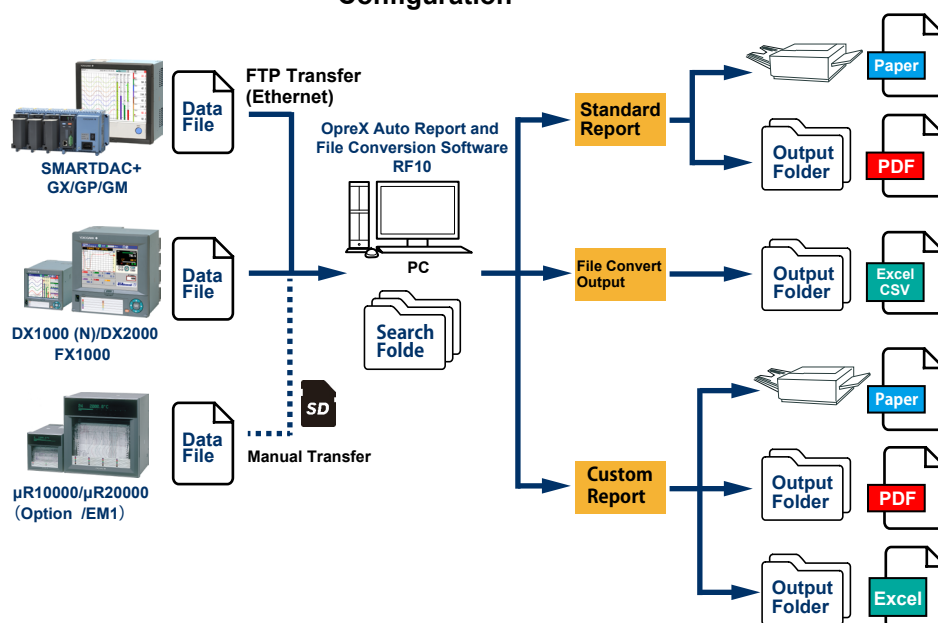
RF10 is PC software that automatically or manually generates reports and converts files by using data files recorded with the SMARTDAC+ series (GX/GP/GM), DX, FX, and μ R as input data.

RF10 monitors the search folder and, when the target file is placed there, generates reports and converts files based on pre-configured conditions. The target file can be imported via automatic retrieval from the recorder by using the FTP client function of RF10, automatic transfer to an FTP server by using the FTP client function of the recorder, or manual placement by the user.

Output functions include generating Standard Reports (paper or PDF format), converting Excel or CSV format, and generating Custom Reports by using templates.

Furthermore, RF10 has a function to record operation history as an Audit Trail, allowing for tracking of system operation history and supporting audit compliance.

Configuration



Basic Specifications

Item	Description
Program to run	Runs as a Windows service
Execution	Standard report output, Convert output, Custom report output
Number of tasks	Up to 200
Number of FTP clients	Up to 200
Number of search folders	Up to 500
Number of output folders	Up to 500
Input method	FTP Server, FTP Client, Manual
Operation mode	
Output task	Auto, Manual
FTP client	Auto, Only at PC Startup, Manual
Number of operation log displays	Up to 5000
Execute mode	
Standard report, Convert	Immediate, Interval, Every Week, Every Month
Custom report	Everyday, Every Week, Every Month, Interval
Output Type	
Standard report	Print, PDF
Convert	Excel, or CSV
Custom report	Print, PDF, or Excel
Output information	
Standard report	Graph, Sheet, Circular, Alarm list, Mark list, and Operation log list
Convert	Data, Alarm list, Mark list, and Operation log list
Custom report	Depend on template file.
Certificate Settings	OFF, Password, User account
	Number of users: Up to 20

Applicable Data Files and Execution

Device Type	File Kind	File Extension	Standard Report	Convert	Custom Report
GX20	Event data	*.GEV	Yes	Yes	Yes
GP20	Display data	*.GDS	Yes	Yes	Yes ¹
GX10	Event data (supports / AS)	*.GSE	Yes	Yes	Yes
GP10					
GM10	Display data (supports / AS)	*.GSD	Yes	Yes	Yes
	Report data	*.GRE	Yes	---	---
	Manual sample	*.GMN	Yes	---	---
DX1000	Event data	*.DAE	Yes	Yes	Yes
DX1000N	Display data	*.DAD	Yes	Yes	Yes ¹
DX2000	Event data (supports / AS)	*.DSE	Yes	Yes	Yes
FX1000					
	Display data (supports / AS)	*.DSD	Yes	Yes	Yes
	Report data	*.DAR	Yes	---	---
	Manual sample	*.DAM	Yes	---	---
μR10000	Event data	*.RXE	Yes	Yes	Yes
μR20000					

1 The instantaneous report values in the display data file are blank.

1.2 PC System Requirements

1.2.1 Hardware

PC

Item	Description
CPU	Intel Core i5 or higher (12th generation or higher) or equivalent or better performance
Internal memory	16 GB or more
Storage	64 GB or more free space, SSD recommended, NTFS recommended
Communication port	An Ethernet port compatible with the OS.

1.2.2 Operating System

PC

OS ¹	Edition
Windows 11	Pro
	Enterprise
Windows Server 2019	Standard
Windows Server 2022	
Windows Server 2025	

¹ Yokogawa will also stop supporting OSs that Microsoft Corporation no longer supports.

Note

- Use this product in a desktop environment.
- Set the PC to the same time zone (including DST) as that used for recording on the recorder.
- The OS supports the following display languages: Japanese, English, simplified Chinese, traditional Chinese, French, German, Russian, Korean, and Italian. Ensure that the display language is the same on the recorder used to record the data, RF10, and OS.

1.2.3 Display Language

Language	System Environment
English	An OS support English characters.
Japanese	An OS support Japanese characters.
Chinese	An OS support Simplified Chinese characters.
Traditional Chinese	An OS support Traditional Chinese characters.
French	An OS support French characters.
German	An OS support German characters.
Russian	An OS support Cyrillic characters.
Korean	An OS support Korean characters.
Italian	An OS support Italian characters.

1.2.4 Other Requirements

Converting Data to Excel Format

This software can convert data to the format that can be handled by the Excel below.
Microsoft Office Excel 2021, 2024 or Office 365

Microsoft runtime and packages

If you are using, you need the following Microsoft runtime and packages:

- Microsoft Visual C++ v14 Redistributable

They are automatically installed when you run the installer, so you do not need to prepare anything in advance.

Viewing User's Manual

To view the user's manual of this software, you need to use Adobe Reader 7 or later.

Viewing PDFs

To view PDF files, we recommend using the latest version of Adobe Acrobat Reader from Adobe Systems.

Viewing recorder data

To view recorder data, install the latest version of the Universal Viewer separately.

Web browser

To use the settings display function, Google Chrome or Microsoft Edge is required.

PDF virtual printer

To generate Standard Reports in PDF format, Microsoft Print to PDF is required.

Creating template files (Custom Report)

To generate PDF files, install the latest version of the report template builder separately.

When generating Excel files, you can use the keyword assist tool. The keyword assist tool is installed along with the report template builder.

1.2.5 Security Measures

To deal with security threats, we recommend that you take security measures.

- Apply restrictions to PC network connections.
We recommend that you use an isolated network.
- Manage external media properly.
Prevent malware intrusion through external media, unauthorized file operations on external media, and information leakage due to misplacement.
- Set a strong password and manage it properly.
Use a password that is at least eight characters in length, and include three types of characters from uppercase letters, lowercase letters, numbers, and symbols. Change the password regularly.
- Using antivirus software.

1.2.6 Folders that cannot be specified as input/output folders

Due to limitations of RF10 that operates as a service, you cannot specify the following folders as input/output folders:

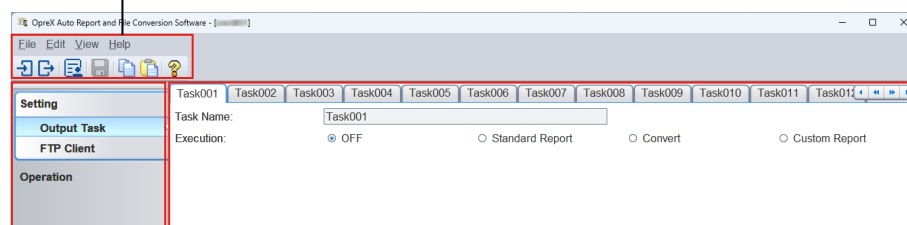
- Under C:\Windows\
- Under C:\Program Files\
- Under C:\Program Files (x86)\
- Under User Profile (Under C:\Users\)
- Directly under the drive (e.g., C:\)

1.3 Window and Menus

1.3.1 Window and Menu Configuration

RF10's screen consists of the menu and toolber, Navigator area and Setting/Operation area.

Menu and Toolbar

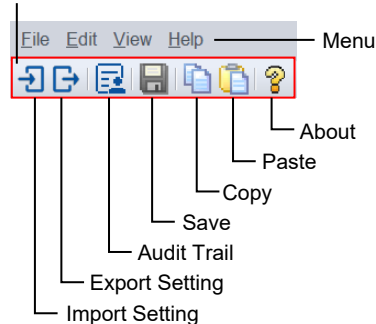


Navigator Area

Setting/Operation Area

Menu and Toolbar

Toolbar



Menu	Explanation
File (F)	
Import Setting...(I)	Import setting
Export Setting...(E)	Export setting
Migrate Database...(M)	Migrate the database
Change Password...(G)	Change password
Certificate Settings..(C)	Set the authentication method
User Management...(U)	Creating and deleting user
Exit...(X)	Closes the RF10
Edit (E)	
Copy (C) Ctrl+C	Copy the selection and put it on the Clipboard.
Past (P) Ctrl+V	Paste the copied content
Save (S) Ctrl+S	Save the changed settings
Display (V)	
Audit Trail...(A)	Displays the audit trail.
Comment Input...(C)	Shows or hides the comment input dialog box
Display Setting...(S)	Displays settings (HTML)
Toolbar (T)	Shows or hides the tool bar
Language (L)	English (E) Japanese (J) Switches the language (menu commands are displayed using the original language).

Menu		Explanation
	Chinese (Simplified Chinese) (C) Chinese (Traditional Chinese) (T) French (F) German (G) Russian (R) Korean (K) Italian (I)	
Help (H)		
	User's Manual (M) F1	Displays the user's manual.
	Version (A)	Displays program information, version number, and copyright.
	Input License (L)	Displays license input dialogue
	To Update Website (U)	Opens a website for updating RF10.
		Visit the Website to download the latest version of RF10.

Menu and Toolbar Function

Import Setting and Export Setting

- ▶ Refer to .page 4-23 in section 4.3, "Exporting and Importing RF10 Settings".

Migrate Database

- ▶ Refer to .page 7-1 in section 7.1, "Migrating the Databases".

Change Password

- ▶ Refer to page 3-3 in section 3.2, "Change the Password".

Certificate Settings

- ▶ Refer to page 2-4 in section 2.3, "Configuring the Authentication".

User Management

- ▶ Refer to page 3-1 in section 3.1, "Configuring the User Management".

Audit Trail

- ▶ Refer to page 6-1 in section Chapter 6, "Checking the Audit Trail".

Comment Input

- ▶ Refer to .page 6-6 in section 6.3, "Entering a Comment".

Display Setting

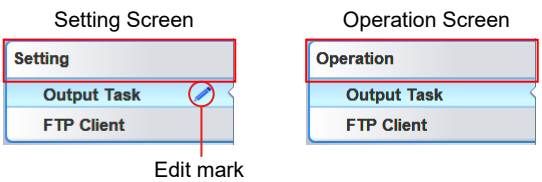
- ▶ Refer to page 4-24 in section 4.4, "Displaying the Setting Information".

Copy and Past

- ▶ Refer to page 4-19 in section 4.1.3, "Copy and Paste Task Settings", page 4-19 in section 4.1.3, "Copy and Paste Task Settings".

Navigator Area

By selecting each item in the navigator area, you can switch the content displayed in the settings/operation display area.

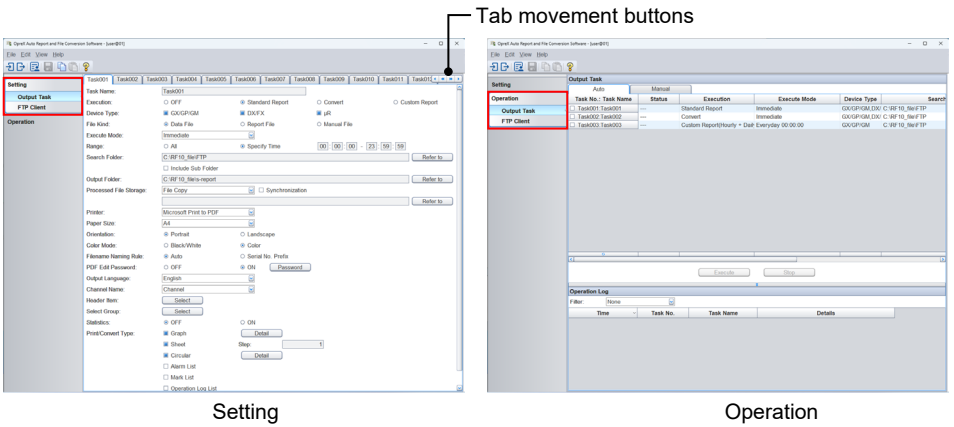


Edit Mark

If there are any setting changes, an edit mark appears to the right of the icon for each item in the navigator area. The edit mark disappears once you save the changes.

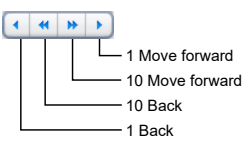
Setting and Operation Area

Use the navigator area to switch between the following screens: Settings output tasks, settings FTP client, operation output tasks, and operation FTP client.



Tab Movement Buttons

You can move through the tab pages one or 10 pages at a time.



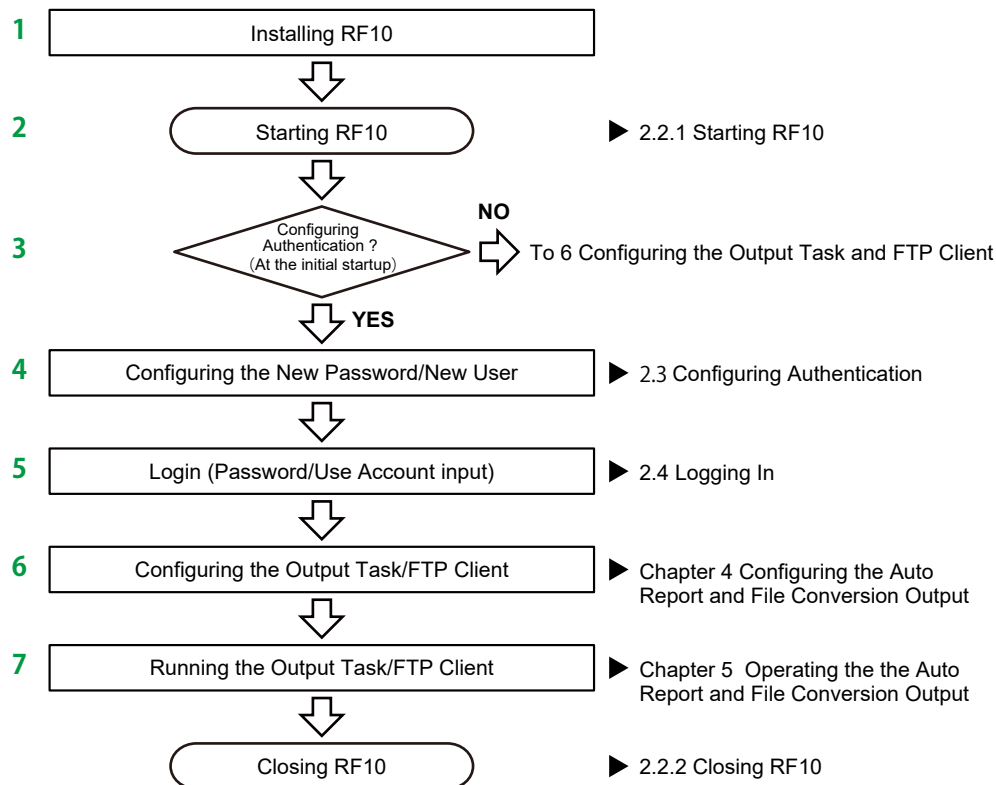
1.4 Precautions for Continuous Operation

For continuous operation, check the following PC and Windows settings.

- Disable the Windows Fast Startup feature.
- Configure Windows so that it does not go to sleep.
- Disable the Windows Hybrid Sleep function.
- Note that Windows automatic updates may cause the PC to restart while the system is running.
- Turn off automatic defragmentation and optimization in Windows so that they do not occur in operation.
- If malfunctions occur in Windows, excessive OS memory may be consumed which may force termination of RF10. If the operation of the PC or RF10 become unstable, update the Windows OS and drivers.
- For continuous operation with a notebook PC, please check the manufacturer specifications and restrictions. Some manufacturers do not guarantee continuous operation of the notebook for more than 24 hours.

2.1 Process from Installation to Auto Report and File Conversion Output

The following flowchart shows an outline of the procedure from RF10 installation up to Auto Report and File Conversion Functions.



1 Installing RF10

Install the RF10.
For procedure, refer to RF10 down load page.

2 Starting RF10

Start RF10 (OpreX Auto Report and File Conversion Software) from start menu.
► page 2-3 in section 2.2, "Starting and Closing RF10"

3 Authentication settings (At the initial startup)

Set the authentication method. If you do not want to use authentication, proceed to "6. Configuring the Output tasks/FTP client settings".
► page 2-4 in section 2.3, "Configuring the Authentication"

Continued on next page

4 Setting New Password and New User

If the authentication method is Password or User Account, set a new password or user account.

► page 2-4 in section 2.3, “Configuring the Authentication”

5 Login (Password and User Account Input)

Users enter their password or user account to logging in.

► page 2-6 in section 2.4, “Logging In”

6 Configuring the Output Task and FTP Client

Configuring the Output Task and FTP Client

► page 4-1 in section 4.1, “Configuring the Output Tasks”

page 4-20 in section 4.2, “Configuring the FTP Client”

7 Running the Output Task and FTP Client

Running the Output Task and FTP Client

► page 5-1 in section 5.1, “Running the Output Tasks”

page 5-6 in section 5.2, “Running the FTP Client”

2.2 Starting and Closing RF10

2.2.1 Starting RF10

Procedure

- 1 On the taskbar, click **Start, All Programs, OpreX Auto Report and File Conversion Software**, and then **OpreX Auto Report and File Conversion Software**.

Initial Startup

The first time you start RF10, the [Certificate Settings] dialog box appears.

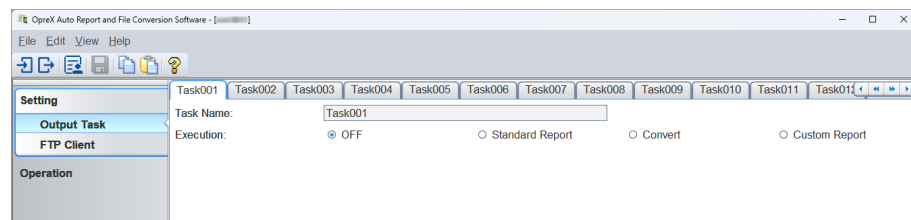
► Refer to page 2-4 in section 2.3, “Configuring the Authentication” to configure the authentication settings.

Starting Up for the Second and Subsequent Times

If authentication is enabled, the [Login] dialog box appears.

► Refer to page 2-6 in section 2.4, “Logging In” to log in.

If authentication is disabled, RF10 starts up.



[Operation complete](#)

2.2.2 Closing RF10

Procedure

- 1 On the **File** menu, click **Exit**. Or, click the × button.
If you have changed the settings, the message “Do you want to save the changes to the settings?” appears.
To save the settings, click **Yes**. Otherwise, click **No**.

[Operation complete](#)

2.3 Configuring the Authentication

You can select the authentication method during the initial startup or when changing the authentication settings.

If authentication is not used, RF10 starts up without authentication.

Operating Range Based on the Authentication Method

Authentication Method	Certificate Settings, Migrate Database	User Management	Comment Input	Settigs	Operation
OFF	✓	N/A	N/A	✓	✓
Password	✓	N/A	N/A	✓	✓
User Account	Administrator	✓	✓	✓	✓
	User	N/A	✓	✓	✓

Description

Certificate Settings

Set the authentication method.

Setup Item	Selectable Range or Options	Default Value
Certificate Settings	OFF, Password, User Account	OFF

Options	Description
OFF	RF10 starts up without authentication. User Management is unavailable.
Password	This authentication method uses passwords managed by RF10.
User Account	This authentication method uses user IDs and passwords managed by RF10. You must change your initial password at your first login.

Setting Range

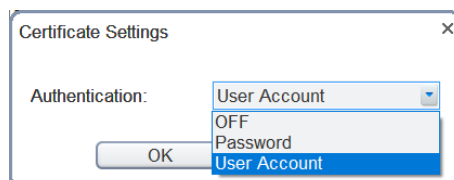
Authentication Method	Selectable Range or Options
Password	Up to 30 alphanumeric characters, six or more symbols.
User Account	User Name Up to 20 alphanumeric characters, One or more symbols.
	User ID Up to 20 alphanumeric characters, Symbols (can be left blank).
	Password Up to 30 alphanumeric characters, eight or more symbols. At least three of the following types must be included: uppercase letters, lowercase letters, numbers, and symbols.

Procedure

At the Initial Startup

The **Certificate Settings** dialog box appears at the initial startup of RF10.

- 1 Select the authentication method, and click **OK**.



When authentication is set to OFF

RF10 starts up without authentication.

When authentication is set to Password or User Account

New Password or **New User** dialog box appears.

- 2** Set the new password or new user (User No. 01), and click **OK**.
Login dialog box appears.

New Password

New Password

✕

Password:

Confirm Password:

OK Cancel

New User

New User

✕

User No.:

User Level:

User Name:

User ID:

Initial Password:

Confirm Initial Password:

OK Cancel

- 3** Enter the password or user (User No. 01) that you set, and click **OK**.
RF10 starts.

Login

Login

✕

Password:

OK Cancel

Login

Login

✕

User Name:

User ID:

Password:

OK Cancel

Operation complete

When Changing

You can change the authentication method.

- 1** On the **File** menu, select **Certificate Settings**.
Certificate Settings dialog box appears.
- 2** Select the authentication method, and click **OK**.
The first time you select **Password** or **User Account** as the authentication method, the **New Password** or **New User** dialog box appears.

If the **New Password** or **New User** dialog box appears, follow the same steps as in step 2 of the initial startup procedure.
See step 2 of the initial startup procedure for instructions.

If **Password** or **User Account** has previously been selected in Certificate Settings, the previous settings are retained. Therefore, the **Login** dialog box appears. For subsequent operations, continue from step 3 of the initial startup procedure.

Operation complete

Note ////////////////////////////////////
If a new password is set after a password reset initialize, the user must change the initial password when logging in, as with the first login.
////////////////////////////////////

2.4 Logging In

If Password or User Account is selected in Certificate Settings, the **Login** dialog box appears when you start RF10. Enter the password or user account for login. If User Account is selected in Certificate Settings, users other than user number 1 must change the initial password¹ at their first login.

¹ Initial password set by the administrator in User Management

Procedure

When Certificate Settings is Set to Password

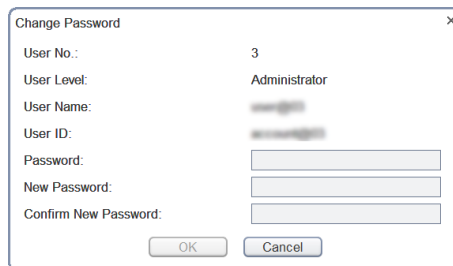
- 1 Enter the password you set at the initial startup and click **OK**.
RF10 starts.

[Operation complete](#)

When Certificate Settings is Set to User Account

First Login

- 1 Enter the user account, and click **OK**.
Password Changed dialog box appears.
- 2 Set the new password, and click **OK**.
Login dialog box appears.

A screenshot of the 'Change Password' dialog box. It contains the following fields: 'User No.' with the value '3', 'User Level' with the value 'Administrator', 'User Name' (blurred), 'User ID' (blurred), 'Password' (empty text box), 'New Password' (empty text box), and 'Confirm New Password' (empty text box). At the bottom are 'OK' and 'Cancel' buttons.

- 3 Input the user account, and click **OK**.
RF10 starts.

[Operation complete](#)

Login After the First Time

- 1 Enter the user account, and click **OK**.
RF10 starts.

[Operation complete](#)

Note

- If an incorrect user ID and password are entered five consecutive times, the user is locked and disabled.
If a user is disabled, the administrator must reset the password and set a new initial password.
- If all administrators are locked, password unlocking is no longer possible. Therefore, we recommend registering multiple administrators.

2.5 Enabling Comment Input

If User Account is selected in Certificate Settings, you can enter comments when you perform operations or change settings.
The comments you enter are recorded in the Audit Trail.
User cannot set the Comment Input.

2.5.1 Setting the Comment Input

Procedure

- 1** On the **File** menu, select **Certificate Settings**.
A check mark appears next to **Comment Input**, allowing you to enter comments.

When you do not enter a comment, clear the check box by using the same steps.

[Operation complete](#)
- For comment input, refer to page 6-6 in section 6.3, “Entering a Comment”.

2.6 Registering a License Number

If you install this software without entering a license number, a 60-day trial period begins. This software cannot be used after the trial period ends. To use the licensed version, enter the license number. To enter the license number, right-click the software icon, select **Run as administrator**, and then start the software.

2.6.1 Registering a License Number

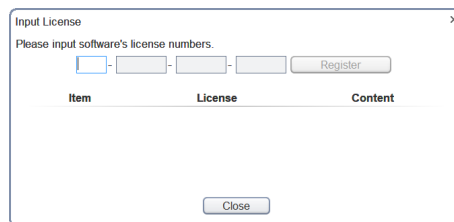
Checking the Remaining Trial Period

In the software, click **About** on the **Help** menu, and check the remaining number of days in the dialog box that appears.

Entering a License Number during the Trial Period

Procedure

- 1 On the **Help** menu, click **Input License**.
Input License dialog box appears.
- 2 Type the license number, and click **Register**.
A license-activation message appears.



- 3 Click **OK**.
The license number appears in the dialog box.
- 4 Click **Close**.
- 5 Restart the PC.

Operation complete

Entering a License Number after the Trial Period

If the trial period expires, you will no longer be able to log in. When you start the software, you will be prompted to enter the license number. If you have purchased a license, type the number.

Note

Settings are not carried over when you upgrade from the trial version to the Lite (/LE) edition. To carry over the settings, use the settings export/import function. The export/import function becomes unavailable after the 60-day trial period. If you plan to upgrade to the Lite edition, export the settings within the trial period.

3.1 Configuring the User Management

If User Account is selected in Certificate Settings, configure User Management.
The administrator can register and delete other users and initialize their passwords.

Description

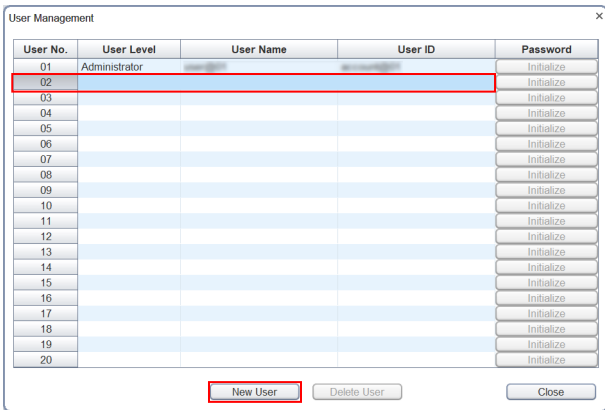
Setup Item	Selectable Range or Options	Default Value
User No.	1 to 20	—
User Level	Admin, User	—
User Name	Up to 20 alphanumeric characters, one or more symbols.	—
User ID	Up to 20 alphanumeric characters and symbols. (can be left blank)	—
Password	Up to 30 alphanumeric characters, eight or more symbols. — At least three of the following types must be included: uppercase letters, lowercase letters, numbers, and symbols.	—

Procedure

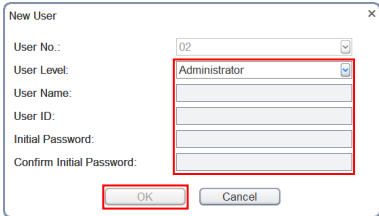
- 1 On the **File** menu, click **User Management**.
User Management dialog box appears.

Registering Users

- 2 Select the user number, then click **New User**.
New User dialog box appears.



- 3 Set the **User Level**, **User Name**, **User ID**, **Initial Password**, and click **OK**.
The new user is registered.



- 4 Click **Close**.

Operation complete

Deleting User

- 2** Select the delete user number.
- 3** Click **Delete User** button.
- 4** Click **OK**.
The selected user is deleted
- 5** Click **Close**.

Operation complete

Initialize the Password

- 2** Select user number that you want to initialize the password.
- 3** Click the **Initialize** button at the the **Password**.
Initialize Password dialog box appears.
- 4** Set the new password and click **OK**.
The password is changed.
- 5** Click **Close**.

Operation complete

3.2 Change the Password

Procedure

- 1
- On the **File** menu, click **Change Password**.
Change Password dialog box appears.
- 2
- Input the Password, New Password, Confirm New Password, then click **OK**.
Login dialog box appears.

Change Password

✕

Password:

New Password:

Confirm New Password:

OK

Cancel

Change Password

✕

User No.:2

User Level:Administrator

User Name:administrator

User ID:administrator

Password:

New Password:

Confirm New Password:

OK

Cancel

- 3
- Enter the User Name¹, User ID¹, Password, and click **OK**.
1 When authentication is set to user account.
The password is changed.

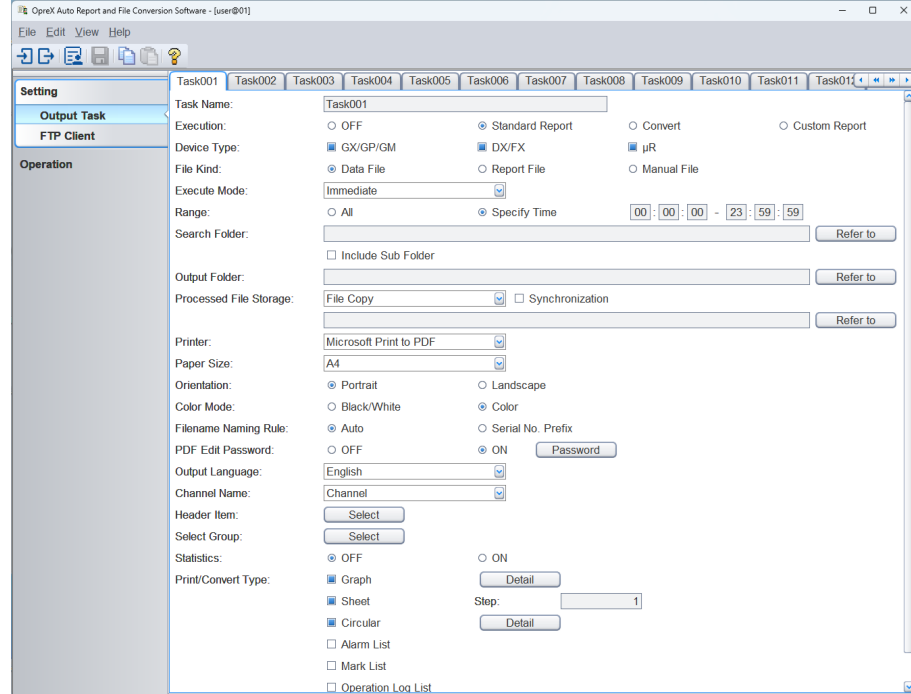
Operation complete

Blank

4.1 Configuring the Output Tasks

Set the task details for report and file conversion output.

Screen



4.1.1 Common Settings

Set the common items of output task.

Description

Task Name

Set the task name. This name becomes the tab name.

Setup Item	Selectable Range or Options	Default Value
Task Name	Up to 30 characters Can not used be asterisk (*).	Task 001 to Task 200

Execution

Set the content to be executed.

When you hover over the tab that displays the task name, the task number appears in the following format: TaskNo.: Task name.

Setup Item	Selectable Range or Options	Default Value
Execution	OFF, Standard Report, Convert, Custom Report	OFF

Options	Description
OFF	No action is taken.
Standard Report	Outputs standard report.
Convert	The data is converted to the specified output format (Excel/CSV) and generated.
Custom Report	Reports are generated according to the template files (extensions: .tpl, .xlsm, .xlsx).

Device Type

Select the data file device type for report and file conversion. You can select more than one.

Setup Item	Selectable Range or Options	Default Value
Device Type	GX/GP/GM, DX/FX, μ R	GX/GP/GM, DX/FX, μ R

► For device type and file extension, refer to page 1-1 in section 1.1, “Overview of the Auto Report and File Conversion Software RF10”.

4.1.2 Setting Output Task

Configure the detailed settings for report generation and file conversion. You can set up to 200 tasks.

The settings vary by Execution (Standard Report, Convert, or Custom Report).

File Kind

Select the data file type for standard report output.

Setup Item	Selectable Range or Options	Default Value
File Kind	Data File, Report File, Manual File	Data File

Options	Description
Data File	Event data, Display data
Report File	Report data
Manual File	Manual sample data

Template File

Specify the template file (*.tpl, *.xlsm, *.xlsx) for custom report.

Procedure

- 1 Click the **Refer to** button.
Open dialog box appears.
- 2 Select a template file from the location where the file is saved, and click **Open**.
You can create template files (*.tpl) using SMARTDAC+ Report Template Builder. You can download it from the YOKOGAWA website for free.

Operation complete

Base Data File

When generating Custom Report, load a base data file used as the selection list source for channel and group settings.

By loading the Base Data File, only valid channels (tags, tag comments) and groups within the file appear in the selection list.

The source data are reflected in the following selection list of settings:

- Channel allocation for report channels
- Channel settings for Execute Mode of Batch Report (Threshold)
- Group settings for graphs

Note

If you change the Device Type or Execution after loading the Base Data File, the basic information in the loaded Base Data File is reset.

To reflect the information from the base data file in the selection list for channel and group settings, reload the Base Data File.

Procedure

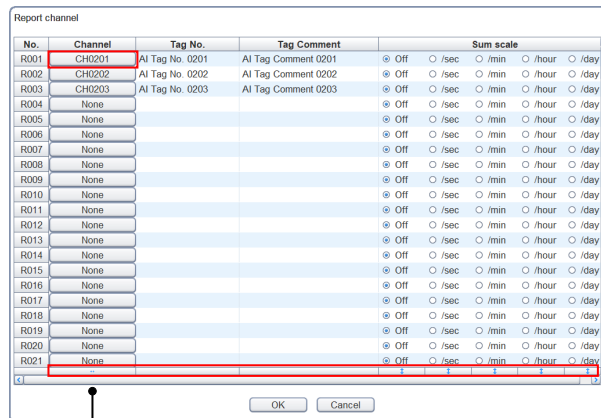
- 1 Click the **Read Data File** button.
Open dialog box appears.
- 2 Select a base data file from the location where the file is saved, and click **Open**.
The Base Data File are loaded.

Operation complete**Report Channel**

Assign a channel to a report channel in the Custom Report.

Procedure

- 1 Click the **Allocate Report Channel**.
Report Channel dialog box appears.
- 2 Click the button for the channel that you want to assign.
Channel Selection dialog box appears.



Collectively editing button

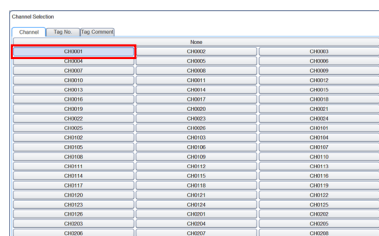
Collectively Editing Tags

To collectively edit setup data, you must select the target setup data and then click a button on the action bar, which is at the bottom of the window.

: Assigns increasing channel numbers starting with the first tag in the selected range.

: Setting the selected range to the values of the button column

- 3 Click the channel to assign by using the channel name, tag number, or tag comment.



- 4 Set the Sum scale and click **OK**.

Operation complete

Report Type

Set the report type for custom report.

Setup Item	Selectable Range or Options	Default Value
Report Type	Hourly + Daily, Daily + Weekly, Daily + Monthly, Batch, Daily custom, Batch Report (Threshold)	Hourly + Daily

Note

If you are using μ R10000/20000 data files and a custom report type other than Batch or Batch Report, set the measurement interval on the μ R10000/20000 to 1 s or 125 ms.
If the measurement interval is more than 1 second, there may be no data at the time that triggers the report generation (e.g. 00:00:00), and as a result, the report may not be generated properly.

Execute Mode

Set the execute mode.

If Execution is Standard Report or Convert, the settings vary by execute mode.

If the processing type is Custom Report, the execute mode and settings vary by Report Type.

When Execution is Set to Standard Report or Convert

Setup Item	Selectable Range or Options	Default Value
Execute Mode ¹	Immediate, Interval, Every Week, Every Month	Immediate

¹ When the file type kind is a report or manual, the setting is fixed to Immediate.

Setting Items Based on Execute Mode

Execute Mode: Immediate

No settings are required. The task runs whenever a new data file is added to the search folder.

Execute Mode: Interval

Setup Item	Selectable Range or Options	Default Value
Time	1 hour, 2 hours 3 hours, 4 hours, 6 hours, 8 hours, 12 hours, 24 hours	1 hour
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

Execute Mode: Every Week

Setup Item	Selectable Range or Options	Default Value
Day of the week	Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday	Sunday
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

Execute Mode: Every Month

Setup Item	Selectable Range or Options	Default Value
Day	1 Day to 31 Day	1 Day
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

When Execution is Set to Custom Report

The Execute Mode is fixed for each Report Type.

Setting Items Based on Report Type

Report Type: Hourly + Daily (Execute Mode: Everyday)

Setup Item	Selectable Range or Options	Default Value
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

Report Type: Daily + Weekly (Execute Mode: Every Week)

Setup Item	Selectable Range or Options	Default Value
Day of the week	Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday	Sunday
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

Report Type: Daily + Monthly (Execute Mode: Every Month)

Setup Item	Selectable Range or Options	Default Value
Day	1 Day to 31 Day	1 Day
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

Report Type: Batch

The execute mode is fixed to Immediate.

Set the save interval.

► page 4-7 in section , “Save interval”

Report Type: Daily Custom(Execute Mode: Interval)

Setup Item	Selectable Range or Options	Default Value
Time	1 hour, 2 hours 3 hours, 4 hours, 6 hours, 8 hours, 12 hours, 24 hours	1 hour
Reference Time	00:00:00 to 23:59:00 (the seconds are fixed)	00:00:00

Report Type: Batch Report (Threshold)

Set the start/end conditions for batch reports (thresholds).

Setup Item	Selectable Range or Options	Default Value
Channel ¹	GX/GP/GM None, Input/Output channel, Math channel, Communication channel	None
	DX None, Input/Output channel, Math channel, Communication channel	
	FX None, Input/Output channel, Math channel	
	μR None, Input/Output channel, Math channel	
Starting Condition	Threshold -1.0E16 to 1.0E16, Decimal Place, 0 to 6, input position	0
	Slope Up/Down	Up
Ending Condition	Threshold -1.0E16 to 1.0E16, Decimal Place, 0 to 6, input position	0
	Slope Up/Down	Down

¹ For details on channel number, see the respective General Specifications.

Options	Description
Channel	Specify a channel to monitor the values of data within a data file.
Starting Condition	Set the threshold and slope to be used as the starting conditions.
Ending Condition	Set the threshold and slope to be used as the ending conditions.

Explanation

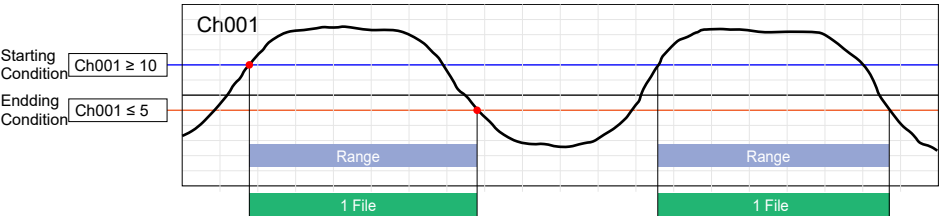
Batch Report (Threshold)

The system monitors the value of the comparison-target channel within the data file and generates reports based on the starting and ending conditions.
The start time of the target range is defined as the point when the value of the comparison-target channel reaches the starting condition value, and the end time of the target range is defined as the point when it reaches the ending condition value.
If the first value of the retrieved data already satisfies the starting condition, the first data is used as the start time of the range.
If output is stopped, the last time of the most recently retrieved data file is used as the end time of the target range.

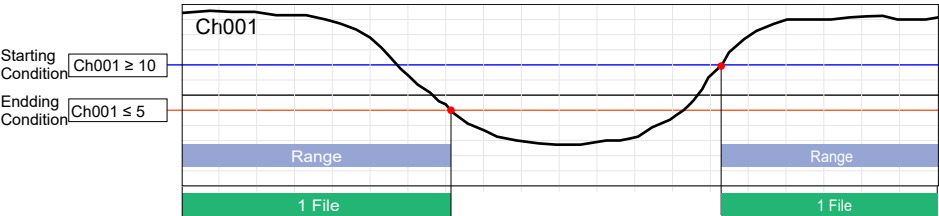
Processing When the Starting and Ending Conditions Occur Simultaneously

If the starting and ending conditions occur simultaneously, the end time is the same as the start time, so the end point of the target range is not determined.
In that case, the maximum target range is data that covers a period of 2880 × the Save interval.
If the number of report data points exceeds 2880, the file is split and generated.

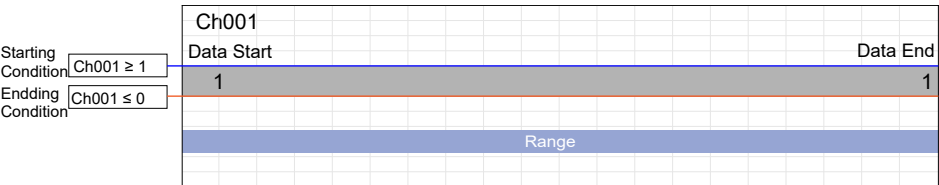
Example 1: Target range based on the starting and ending conditions



Example 2: When the first data already satisfies the starting condition



Example 3: When the starting/ending conditions occur simultaneously



Save interval

For Custom Reports with the Report Type set to Batch or Batch Report (Threshold), set the report processing interval.

The maximum number of data points for report processing is 2880. If the number exceeds 2880, the file is split.

Setup Item	Selectable Range or Options	Default Value
Save interval	1min, 2min, 3min, 4min, 5min, 10min, 15min, 30min, 1hour	10min

Rang

Set the time range for the output range of Standard Reports and Convert results. Settings for the range vary by Execute Mode.

Execute Mode: Immediate

Setup Item	Selectable Range or Options	Default Value
Range	All/Specify Time	All
Start Time	00:00:00 to 23:59:59	00:00:00
End Time	00:00:00 to 23:59:59	23:59:59

Execute Mode: Interval

Setup Item	Selectable Interval	Selectable Range or Options	Default Value
Start Time	Prev. Cycle	Reference Time to (Interval -1):59:59	Prev. Cycle
	Current Cycle	00:00:00 to Reference Time	00:00:00
End Time	Prev. Cycle	Reference Time to (Interval -1):59:59	Current Cycle
	Current Cycle	00:00:00 to Reference Time	00:00:00

Execute Mode: Every Week

Setup Item	Selectable Range or Options	Default Value
Start Time	Week	Prev. Week/Current Week
	Day of the week	Sunday/Monday/Tuesday/Wednesday/Thursday/Friday/Saturday
	Time	00:00:00 to 23:59:59
End Time	Week	Prev. Week/Current Week
	Day of the week	Sunday/Monday/Tuesday/Wednesday/Thursday/Friday/Saturday
	Time	00:00:00 to 23:59:59

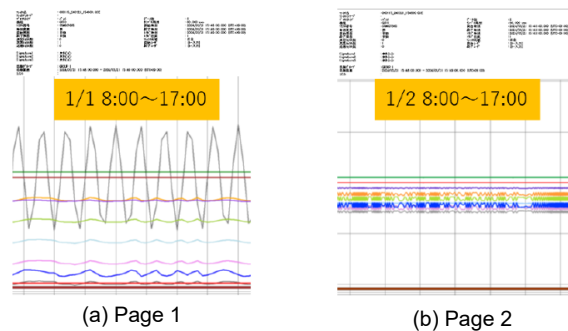
Execute Mode: Every Month

Setup Item	Selectable Range or Options	Default Value
Start Time	Month	Prev. Month/Current Month
	Day	1Day to 31Day
	Time	00:00:00 to 23:59:59
End Time	Month	Prev. Month/Current Month
	Day	1Day to 31Day
	Time	00:00:00 to 23:59:59

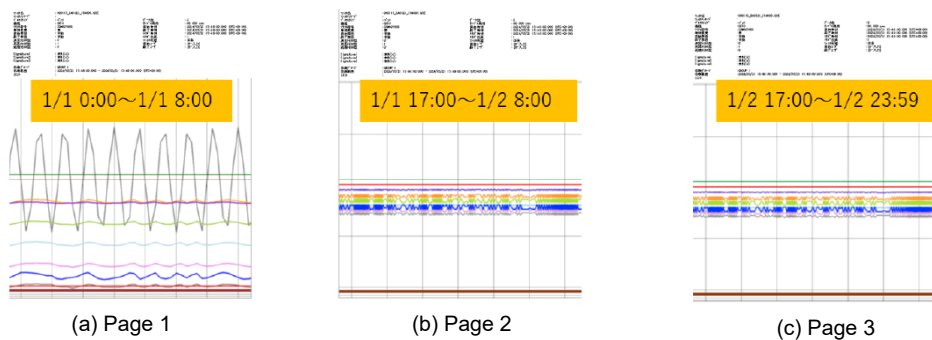
Explanation

If there are multiple items that fall within the output range in one recording data file, those multiple sets are combined into one file.

Example 1: If the recording period is set to data files between 1/1 0:00 and 1/2 23:59 with the output range of 8:00 to 17:00, all data is saved in one file, as shown in the following figure.



Example 2: If the range is specified with the start time > the end time, the recording period of the data file is 1/1 0:00 to 1/2 23:59, and the output range is 17:00 to 8:00, multiple sets of data are saved in a single file, as shown in the following figure.



Search Folder

Select the folder to be searched for report and file conversion output.
Set the search folder to **Refer to** button.

Setup Item	Selectable Range or Options	Default Value
Search Folder	Up to 255 characters	–

Note

The search folder cannot be the same as the Processed File Storage folder.

Output Folder

Select the folder where the files generated after report output and file conversion will be sent.

Set the search folder to **Refer to** button.

Setup Item	Selectable Range or Options	Default Value
Output Folder	Up to 255 characters	—

Processed File Storage

Set how to handle processed data files after report generation or file conversion.

Setup Item	Selectable Range or Options	Default Value
Processed File Storage	OFF, File Copy, File Move	OFF

Options	Description
OFF	The data file is not copied or moved.
File Copy ¹	The data file is copied to the output folder To synchronize, check the Synchronization option.
File Move ¹	The data file is moved to the output folder

¹ The data files in the search folder are deleted.

Synchronization: If files in the search folder are changed or updated, the corresponding files in the storage folder are overwritten.

Note

The Processed File Storage cannot be set as the Search Folder.

Printer

Select the output printer for standard report.

Note

To save a PDF file, select **Microsoft Print to PDF** as your printer.
Virtual printers other than **Microsoft Print to PDF** are not supported.

Printer Output

Set whether to print Custom Report on the printer (as a paper printout).

When printing the report, select the output destination printer.

If you select a virtual printer, the printout fails.

This item does not appear when an Excel template is used.

Setup Item	Selectable Range or Options	Default Value
Printer Output	Yes/No	No

Paper Size

Set the paper size for standard report output.

This setting displays a list of paper sizes retrieved from the specified printer. Use paper whose size is between A4 and A3.

Setup Item	Selectable Range or Options	Default Value
Paper Size	Paper size retrieved from the specified printer	A4 ¹

¹ If A4 is not available, the paper size returned by the printer is used.

Orientation

Set print orientation of standard report output.

Setup Item	Selectable Range or Options	Default Value
Orientation	Portrait, Landscape	Portrait

Color Mode

Set color mode of standard report output.

Setup Item	Selectable Range or Options	Default Value
Color Mode	Black/White, Color	Color

Filename Naming Rule

Specify whether to add the serial number of the target device type to the start of the output file name.

Setup Item	Selectable Range or Options	Default Value
Filename Naming Rule	Auto, Serial No. Prefix	Auto

Options	Description
Auto	The serial number of the target model is not added to the file name.
Serial No. Prefix	The serial number of the target model is added to the beginning of the file name.

File Name

The naming convention for output file names is as follows:

Execution	Naming Rule	File Name
Standard Report, Convert	Auto	Data file name.Extension¹ Output target name Serial Extension ex: 000123_260708_123456.GSE_GRAPH_01.pdf
	Serial No. Prefix	Serial Number Data file name.Extension¹ Output target name Serial Extension ex: S5A123456_000123_260708_123456.GSE_GRAPH_01.pdf
Custom Report	Auto	YYYYMMDDhhmmss Serial Extension ex: 20260708123456_01.pdf
	Serial No. Prefix	Serial Number YYYYMMDDhhmmss Serial Extension ex: S5A123456_20260708123456_01.pdf

1 Data file extension.

Output Target Name for Standard Report and Convert Output

Output Item	Output Target Name
Graph	GRAPH
Sheet (Digital)	SHEET
Circular	CIRCULAR
Alarm list	ALARM
Mark list	MARK
Operation log list	OPERATE
Report File (Hourly)	REPORT_HOUR
Report File (Daily)	REPORT_DAY
Report File (Weekly)	REPORT_WEEK
Report File (Monthly)	REPORT_MONTH
Report File (Batch)	REPORT_BATCH
Report File (Daily Custom)	REPORT_CUSTOM
Report File (Free)	REPORT_FREE
Report File (All)	REPORT_ALL
Report File (COLUMN BAR)	REPORT INTEG
Data conversion	DATA
Statistics	STAT

Note

If multiple screens are specified as the output target, Output Target Name is not added to the file name.

PDF Password

To save Standard Reports and Custom Reports as PDF files, you can add an editing password.

Set this to **On** to include add PDF password.

PDF password is enabled when the template file is *.tpl.

Setup Item	Selectable Range or Options	Default Value
PDF Password	OFF, ON	OFF

Procedure

Password Setting

- 1 Click **Password** button.
Input Password dialog box appears.
- 2 Set the password and confirm password, and click **OK**.

Operation complete

Output Language

Set the language for standard report and conversion output. The date format and decimal point format vary depending on the language (see the table below).

Setup Item	Selectable Range or Options	Default Value
Output Language	English, Japanese, Simplified Chinese, Traditional Chinese, French, German, Russian, Korean	OS Language

Date Format and Decimal Point Format Based on Output Language

Output Language	Date format		Decimal point format	
	Standard Report/ Custom Report	Convert	Standard Report/ Custom Report	Convert
English	MM/DD/YY	YY/MM/DD	Dot (.)	Dot (.)
Japanese	YY/MM/DD		Dot (.)	
Chinese	YY/MM/DD		Dot (.)	
Traditional Chinese	YY/MM/DD		Dot (.)	
French	DD/MM/YY		Comma (,)	
German	DD/MM/YY		Comma (,)	
Russian	DD/MM/YY		Comma (,)	
Korean	YY/MM/DD		Dot (.)	
Italian	DD/MM/YY		Comma (,)	

Channel Name

Set the channel display name for Standard Reports and Convert.

Setup Item	Selectable Range or Options	Default Value
Channel Name	Channel, Tag No., Tag Comment	Channel

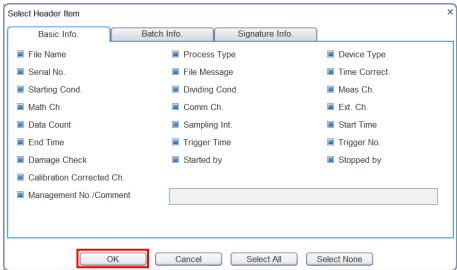
Header Item

For Standard Reports with the file type set to data, or for conversion, select the header items to include in the output file.

You can include the basic information, batch information and signature information.

Procedure

- 1 Click **Select** button.
Select Header Item dialog box appears.
- 2 In the **Select Header Item** dialog box, select the header items to include in the output file from Basic Info., Batch Info., and Signature Info.



You can set to comment for Management No./Comment.

- 3 Click **OK**.

Operation complete

Header Item

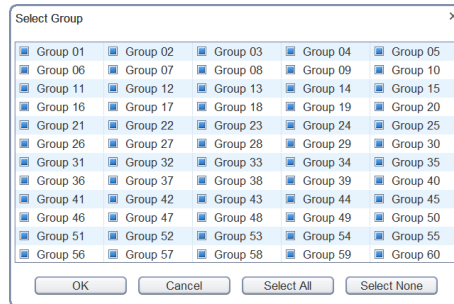
Tab	Item	Default Value
Basic Info.	File Name	Checked
	Process Type	
	Device Type	
	Serial No.	
	File Message	
	Time Correct.	
	Starting Cond.	
	Dividing Cond.	
	Meas Ch.	
	Math Ch.	
	Comm Ch.	
	Ext. Ch.	
	Data Count	
	Sampling Int.	
	Start Time	
	Stop Time	
	Trigger Time	
	Trigger No.	
	Damage Check	
	Started by	
	Stopped by	
	Calibration Corrected Ch.	
	Management No./Comment	
Batch Info.	Batch No.	Unchecked
	Lot No.	
	Comment 1	
	Comment 2	
	Comment 3	
	Title 1 to Title 24	
Signature Info.	Signature 1	Unchecked
	Signature 1 Comment	
	Signature 2	
	Signature 2 Comment	
	Signature 3	
	Signature 3 Comment	

Select Group

For Standard Reports with the file type kind set to report, select the group to print or save.

Procedure

- 1 Click **Select** button.
Select Group dialog box appears.
- 2 From **Select Group** dialog , select print or output group, and click **OK**.



Operation complete

Group

Set the range of groups to file convert.

Setup Item	Selectable Range or Options		Default Value
Group	Start	1 to 60	1
	End	1 to 60	60

Statistics

Specify whether to show or hide the statistics result of the specified time range when standard report output, or converting files.

The computed values that are displayed are the minimum, maximum, P-P, mean, and rms values.

Setup Item	Selectable Range or Options	Default Value
Statistics	OFF, ON	OFF

Note

- P-P value = Maximum value - Minimum value
- The formula for calculating the rms value is as follows.

$$RMS = \sqrt{\frac{1}{n} \sum_{k=0}^{n-1} (x_k)^2}$$

n : Number of data points

x_k: Value

Print/Convert Type

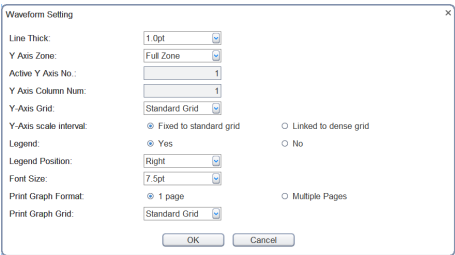
Select the screen to be printed for standard report. You can select more than one. When Print/Convert Type is set to graph or circular, set details.

Setup Item	Selectable Range or Options	Default Value
Print/Convert Type	Graph, Sheet, Circular, Alarm List, Mark List, Operation Log List	Graph

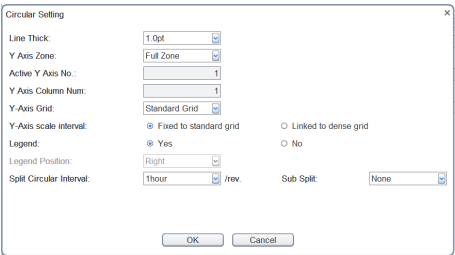
Detail Settings (Graph, Circular)

Procedure

- 1
- Click **Detail** button.
Waveform Setting or **Circular Setting** dialog box appears.
- 2
- Set detail for each waveforms.



Graph



Circular

- 3
- Click **OK**.
Waveform Setting or **Circular Setting** dialog box close.
Operation complete

Description

Line Thick

Specify the line thickness to use in the graph and circular displays.

Setup Item	Selectable Range or Options	Default Value
Line Thick	0.25pt, 0.5pt, 1.0pt, 1.5pt, 3.0pt	1.0pt

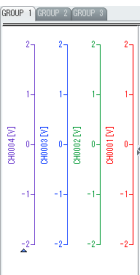
Y Axis Zone

Select the Y-axis display mode.

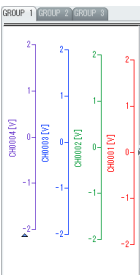
Setup Item	Selectable Range or Options	Default Value
Y Axis Zone	Full Zone, Slide Zone, Auto Zone	Full Zone

Options	Description
Full Zone	Displays all graphs over a full zone.
Slide Zone	Displays each graph cascaded from the top to the bottom of the graph display area.
Auto Zone	Divides the graph display area into equally spaced zones in accordance with the number of displayed graphs and displays the graphs.

Full Zone



Slide Zone



Auto Zone



Active Y Axis No.

Set the graph to display in front.

Setup Item	Selectable Range or Options	Default Value
Active Y Axis No.	1 to 50	1

Y Axis Column Num

Specify the Y axis scale to use during graph or circular printing in terms of the number of columns. Specify to which column from the right of the Y-axis to print (including the Active Y Axis No.).

Setup Item	Selectable Range or Options	Default Value
Y Axis Column Num	1 to 50	1

Explanation

The columns of the Active Y Axis No. are prioritized, and the Y-axis will be printed to the specified number of columns from the right.
For example, if you specify the number of columns to [1], only the active Y-axis is printed. If you enter [3], the active Y axis and the two Y axis from the right are printed.

Y-Axis Grid

Set the Y-Axis Grid.

Setup Item	Selectable Range or Options	Default Value
Y-Axis Grid	Standard Grid, Dense Grid1, Dense Grid2, Dense Grid3, Dense Grid4	Standard Grid

Y-Axis Scale Interval

Set the Y-Axis scale interval.

Setup Item	Selectable Range or Options	Default Value
Y-Axis Scale Interval	Fixed to standard grid, Linked to dense grid	Fixed to standard grid

Legend

Specify whether to have a legend for the graph display.

Setup Item	Selectable Range or Options	Default Value
Legend	Yes, No	Yes

Legend Position

You can specify the legend position of the graph display.

Setup Item	Selectable Range or Options	Default Value
Legend Position	Graph	Up, Down, Left, Right
	Circular	Right (fixed)

Font Size

You can specify the font size to use in the graph display.
It is applied to the Y-axis, time axis, mark, and legend.

Setup Item	Selectable Range or Options	Default Value
Font Size	6pt, 7pt, 7.5pt, 8pt, 9pt, 10pt, 11pt, 12pt, 14pt, 16pt, 20pt	7.5pt

Print Graph Format

Set the number of pages to print Graph.

Setup Item	Selectable Range or Options	Default Value
Print Graph Format	1 page, Multiple Pages	1 page

Options	Description
1 page	Print the specified range on one page.
Multiple Pages	Print the specified range on fixed pitches. The times of the Print Graph Grid are mapped to the fixed pitched scale lines and printed.

Print Graph Grid

Specify the grid line spacing and auxiliary grid lines to use during graph display printing. Set **Print Graph Grid** first and then **Sub Grid**. The **Sub Grid** options vary depending on the **Print Graph Grid** setting.

Note that the grid cannot be specified if the aforementioned **Print Graph Format** is set to 1 page.

Setup Item	Selectable Range or Options	Default Value
Print Graph Grid	Standard Grid, Dense Grid1, Dense Grid2, Dense Grid3, Dense Grid4	Standard Grid

The Available Options for Print Graph Grid and Sub Grid

Print Graph Grid [/div]	Sub Grid options depending on the Print Graph Grid					
3months	None	1month	15days	10days	5days	1day
1month		15days	10days	5days	1day	12hours
7days		1day	12hours	6hours	3hours	1hour
1day		12hours	6hours	3hours	1hour	30min
12hours		6hours	3hours	1hour	30min	10min
8hours		4hours	2hours	1hour	30min	10min
6hours		3hours	1hour	30min	10min	5min
4hours		2hours	1hour	30min	10min	5min
3hours		1hour	30min	10min	5min	2min
2hours		1hour	30min	10min	5min	2min
1hour		30min	10min	5min	2min	1min
30min		10min	5min	2min	1min	30sec
20min		10min	5min	2min	1min	30sec
10min		5min	2min	1min	30sec	10sec
5min		2min	1min	30sec	10sec	5sec
2min		1min	30sec	10sec	5sec	2sec
1min		30sec	10sec	5sec	2sec	1sec
30sec		10sec	5sec	2sec	1sec	500ms
20sec		10sec	5sec	2sec	1sec	500ms
10sec		5sec	2sec	1sec	500ms	200ms
5sec		2sec	1sec	500ms	200ms	100ms
2sec		1sec	500ms	200ms	100ms	50ms
1sec		500ms	200ms	100ms	50ms	20ms
500msec		200ms	100ms	50ms	20ms	10ms
200msec		100ms	50ms	20ms	10ms	5ms
100msec		50ms	20ms	10ms	5ms	2ms

Split Circular Interval, Sub Split

Specify the cycle and time-axis auxiliary grid lines to use during circular display printing. Set **Split Circular Interval** first and then **Sub Split**. The **Sub Split** options vary depending on the **Split Circular Interval** setting.

Setup Item	Selectable Range or Options	Default Value
Split Circular Interval (/ rev)	1hour, 2hours, 6hours, 8hours, 12hours, 16hours, 1day, 2days, 1week, 2weeks, 4weeks	1hour
Sub Split	Refer to split circular interval and sub split options.	None

The Available Options for Split Circular Interval and Sub Split

Split Circular Interval [/ rev.]	Sub Split options depending on the Split Circular Interval					
4weeks	None	12hours	6hours	3hours	1hour	30min
2weeks		12hours	6hours	3hours	1hour	30min
1week		12hours	6hours	3hours	1hour	30min
2days		2hours	1hour	30min	10min	5min
1day		1hour	30min	10min	5min	2min
16hours		1hour	30min	10min	5min	2min
12hours		30min	10min	5min	2min	1min
8hours		30min	10min	5min	2min	1min
6hours		10min	5min	2min	1min	30sec
2hours		5min	2min	1min	30sec	10sec
1hour		2min	1min	30sec	10sec	5sec

Report kind

Select the report kind to be printed for standard report. You can select more than one.

Setup Item	Selectable Range or Options	Default Value
Report kind	Hourly, Daily, Weekly, Monthly, Batch, Daily Custom, Free, All, COLUMN BAR	Hourly

Page Combination

Specify whether to merge pages into one file if there are multiple **Print/Convert type**.

Setup Item	Selectable Range or Options	Default Value
Page Combination	OFF, ON	OFF

Convert Data

Select the items to file convert. You can select more than one.

Setup Item	Selectable Range or Options	Default Value
Convert Data	Data File, Alarm List, Mark List, Operation Log List	Data File

Step

When file conversion is digital, to keep the data after the conversion from becoming too large, you can sample data.

You can specify sampling in steps. To convert all data in the specified range, set the step number to 1.

Setup Item	Selectable Range or Options	Default Value
Step	1 to 32,000,000	1

Output Format

Specify the file format when generating converted files.

Setup Item	Selectable Range or Options	Default Value
Output Format	Excel, CSV	Excel

Note

The file extension when generating an Excel file is [*.xlsx].

Graph

Configure the details of the graphs for Custom Report generation.

You can set four types of graphs (Graph 1 to Graph 4).

Graph 1 to 4

Print/Convert Type

Set the Print/Convert Type

Setup Item	Selectable Range or Options	Default Value
Print/Convert Type	None, Graph, Alarm List, Mark List, Operation Log List	None

Range

The range varies depending on the report type.

Hourly + Daily

Setup Item	Selectable Range or Options	Default Value
Start Time	Day	Prev. Day, Current Day
	Time	00:00:00 to 23:59:59
End Time	Day	Prev. Day, Current Day
	Time	00:00:00 to 23:59:59

Daily + Weekly

Setup Item	Selectable Range or Options	Default Value
Start Time	Week	Prev. Week, Current Week
	Day of the week	Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday
	Time	00:00:00 to 23:59:59
End Time	Week	Prev. Week, Current Week
	Day of the week	Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday
	Time	00:00:00 to 23:59:59

Daily + Monthly

Setup Item	Selectable Range or Options	Default Value
Start Time	Month	Prev. Month, Current Month
	Day	1Day to 31Day
	Time	00:00:00 to 23:59:59
End Time	Month	Prev. Month, Current Month
	Day	1Day to 31Day
	Time	00:00:00 to 23:59:59

Batch

Setup Item	Selectable Range or Options	Default Value
Start Time	Start Data (fixed)	Start Data
End Time	End Data (fixed)	End Data

Daily custom

Setup Item	Selectable Interval	Selectable Range or Options	Default Value
Start Time	Prev. Cycle	Reference Time to (Interval -1):59:59	Prev. Cycle
	Current Cycle	00:00:00 to Reference Time	00:00:00
End Time	Prev. Cycle	Reference Time to (Interval -1):59:59	Current Cycle
	Current Cycle	00:00:00 to Reference Time	00:00:00

Batch Report (Threshold)

Setup Item	Selectable Range or Options	Default Value
Start Time	Starting Condition (fixed)	Starting Condition
End Time	Ending Condition (fixed)	Ending Condition

Group (when Print/Convert Type is set to Graph)

Setup Item	Selectable Range or Options	Default Value
Group	Group 01 to Group 60	The smallest valid group number

Color Mode

Setup Item	Selectable Range or Options	Default Value
Color Mode	Black/White, Color	Color

Channel Name (Graph, Alarm List)

Setup Item	Selectable Range or Options	Default Value
Channel Name	Channel, Tag No., Tag Comment	Channel

Waveform Setting Detail (When Print/Convert Type is set to Graph)

The detailed settings are the same as those for the Graph and circular waveform of the Print/Convert Type.

► Refer to page 4-2 in section 4.1.2, "Setting Output Task"

4.1.3 Copy and Paste Task Settings

You can copy the task settings and paste them into other tasks.

Procedure

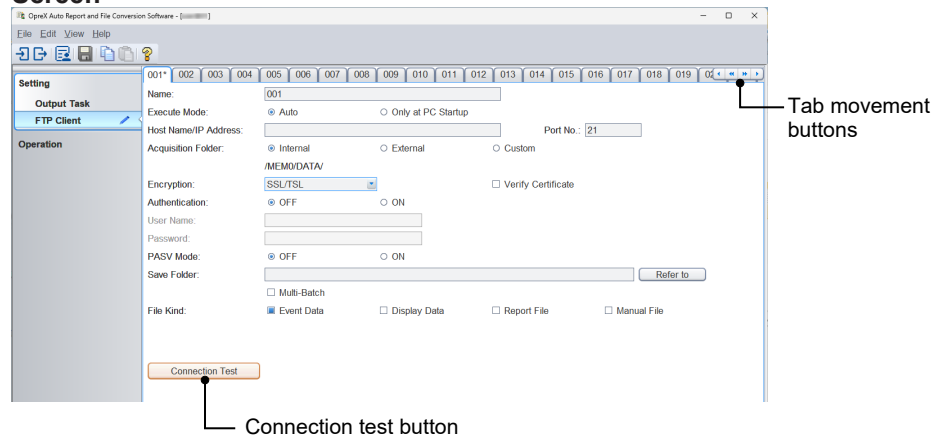
- 1** Select the copy-source tab.
- 2** On the **Edit** menu, click **Copy**. Or, click the **Copy** icon.
- 3** Select the copy-destination tab.
- 4** On the **Edit** menu, click **Past**. Or, click the **Paste** icon.

Operation complete

4.2 Configuring the FTP Client

Set the FTP Client.

Screen



4.2.1 Copying and pasting FTP client settings

You can copy the settings from one FTP client and paste them to another FTP client.

Procedure

- 1 Select the copy-source tab.
- 2 On the **Edit** menu, click **Copy**. Or, click the **Copy** icon.
- 3 Select the copy-destination tab.
- 4 On the **Edit** menu, click **Past**. Or, click the **Paste** icon.

Operation complete

4.2.2 FTP Client setting

Name

Set the FTP client name. The name that you set appears as the FTP client tab name. The asterisk (*) cannot be used in the name.

Setup Item	Selectable Range or Options	Default Value
Name	Up to 30 characters	001 to 200

Execute Mode

Set execute mode for FTP client.

You can check the FTP client number by hovering the mouse cursor over the tab that displays the FTP client name. The display format is as follows: FTP client number:FTP client name.

Setup Item	Selectable Range or Options	Default Value
Execute Mode	Auto, Only at PC Startup,	Auto

Options	Description
Auto	The target file is retrieved from the recorder every 10 minutes.
Only at PC Startup	The target file is retrieved from the recorder once each time the PC starts.

Host Name/IP Address

Set the Host Name and IP Address.

Setup Item	Selectable Range or Options	Default Value
Host Name/IP Address	Up to 255 characters	—

Port No.

Set the port number for the FTP server

Setup Item	Selectable Range or Options	Default Value
Port No.	21, 1024 to 65535	21

Acquisition Folder

Set the acquisition folder to data files.

The acquisition folder varies depending on the options.

Setup Item	Selectable Range or Options	Default Value
Acquisition Folder	Internal, External, Custom	Internal

Options	Description
Internal	/MEM0/DATA/ (fixed)
External	Up to 255 characters (default value: /DRV0/DATA0/, /DRV0/ is fixed)
Custom	Up to 255 characters

Encryption

Set the Encryption.

If SSL/TLS is selected for encryption, check the [Certificate Confirmation] check box to verify the certificate.

Setup Item	Selectable Range or Options	Default Value
Encryption	OFF, SSL/TLS	OFF

Authentication

To enable authentication, turn **ON**.

Setup Item	Selectable Range or Options	Default Value
Authentication	OFF, ON	OFF

User Name

Set the FTP server's user name.

Setup Item	Selectable Range or Options	Default Value
User Name	Depends on the FTP Server	—

Password

Set the password. The password that you enter is displayed as a string of asterisks.

Setup Item	Selectable Range or Options	Default Value
Password	Depends on the FTP Server	—

PASV Mode

Set this to **On** when using the RF10 behind a firewall that requires the PASV mode.

Setup Item	Selectable Range or Options	Default Value
PASV Mode	OFF, ON	ON

Save Folder

Set the folder where retrieved files are saved.

Setup Item	Selectable Range or Options	Default Value
Save Folder	Up to 255 characters	—

Procedure

Enter the folder name, or select the save folder using [Refer to] and click [OK].

Multi batch function

To enable multi batch, check the Multi Batch check box.

When multi batch is enabled, the software checks the data file names retrieved from the recorder, creates subfolders based on the first character (A to M), and stores the data files in the subfolders.

File Kind

Set the type of data files to retrieve.

Setup Item	Selectable Range or Options	Default Value
File Kind	Event Data, Display Data, Report File, Manual File	Event Data

Acquisition Period

Set the file retrieval period that applies when the execute mode is **Only at PC Startup**.

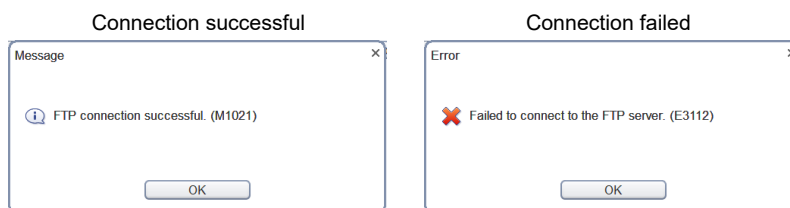
Setup Item	Selectable Range or Options	Default Value
Acquisition Period	1 Week, 1 Month, 2 Months	1 Week

4.2.3 Connection Test

Connect to the recorder using the FTP client and retrieve the file list.

Procedure

- 1 Click the **Connection Test** button.
A dialog box that corresponds to the connection result appears.



If the connection fails, verify that the destination FTP server information is correct, and then run the connection test again.

- 2 Click **OK**.

Operation complete

4.3 Exporting and Importing RF10 Settings

Export or import a settings file.

The supported file extensions for imported settings files are .rfs and .vop (VE10).

Procedure

Exporting RF10 Settings

- 1 On the **File** menu, click **Export Setting**. Or, click **Export Setting** icon. **Save As** dialog box opens.
- 2 Select the save destination, assign a name, and save it.
The setting information file (.rfs extension) is saved to the specified location.

Operation complete

Importing RF10 Settings

- 1 On the **File** menu, click **Import Setting**. Or, click **Import Setting** icon. **Open** dialog box opens.
- 2 From the location where the settings file is saved, select the file to import (extension: .rfs or .vop), and click **Open**.

Operation complete

Note

Only the information on the settings screen is included. Authentication information and comments are excluded.

4.4 Displaying the Setting Information

The current settings and the differences resulting from the setting changes appear.

4.4.1 Displaying current setting information

Procedure

- 1 On the **View** menu, click **Disply Setting**.
The setting information appears.

Task, FTP Client

Display select

The screenshot shows a web browser window titled 'RFDispSetting' with the URL '127.0.0.1:51219/?lng=en-US'. The interface is divided into two main panels. The left panel, labeled 'Task, FTP Client', contains a table with 26 rows, each representing a task (Task001 to Task026). Each row has a 'Show All' checkbox, which is checked for all tasks. The right panel, labeled 'Display select', shows the detailed settings for 'Task001'. The settings are organized into a table with the following rows: 'Task Name' (Task001), 'Execution' (Custom Report), 'Device Type' (GX/GP/GM), 'Template File' (Task_001.tpl), 'Base Data File' (001410_260513_144801.GEV), 'Report channel' (a large section containing 10 rows of channel settings, each with a channel name, sum type, and scale), 'Report Type' (Hourly + Daily), and 'Execute Mode' (Everyday 00:00:00).

Item Name	Show All
001: Task001	☒
002: Task002	☒
003: Task003	☒
004: Task004	☒
005: Task005	☒
006: Task006	☒
007: Task007	☒
008: Task008	☒
009: Task009	☒
010: Task010	☒
011: Task011	☒
012: Task012	☒
013: Task013	☒
014: Task014	☒
015: Task015	☒
016: Task016	☒
017: Task017	☒
018: Task018	☒
019: Task019	☒
020: Task020	☒
021: Task021	☒
022: Task022	☒
023: Task023	☒
024: Task024	☒
025: Task025	☒
026: Task026	☒

Task Name	Task001
Execution	Custom Report
Device Type	GX/GP/GM
Template File	Task_001.tpl
Base Data File	001410_260513_144801.GEV
Report channel	R001: CH0001 Sum scale: Off R002: CH0002 Sum scale: Off R003: CH0003 Sum scale: Off R004: CH0004 Sum scale: Off R005: CH0005 Sum scale: Off R006: CH0006 Sum scale: Off R007: CH0007 Sum scale: Off R008: CH0008 Sum scale: Off R009: CH0009 Sum scale: Off R010: CH0010 Sum scale: Off
Report Type	Hourly + Daily
Execute Mode	Everyday 00:00:00

The display selection check boxes allow you to choose which tasks and FTP clients to view in detail.

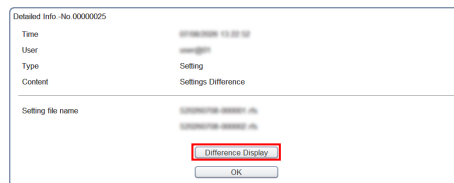
Operation complete

4.4.2 Displaying differences in setting information

For settings that have changed, the previous and current settings appear. The previous settings are shown with a strikethrough.

Procedure

- 1 On the **View** menu, click **Audit Trail**.
Audit Trail dialog box appears.
- 2 Click the **Display** button for **Detailed Info..**
Detailed Info. dialog box appears.
- 3 Click **Difference Display** button.
Settings difference information appears.



Settings Difference Information

Item Name	Task Name	
001: Task001	Execution	Standard Report
002: Task002	Device Type	GX/GP/GM-DX/FX;tr
003: Task003	File Kind	GX/GP/GM-DX/FX
004: Task004	Execute Mode	Data File
005: Task005	Range	Report File
006: Task006	Search Folder	Immediate
007: Task007		All
008: Task008		
009: Task009		Include Sub Folder: OFF

Difference display

- 4 Click **OK** to close the Audit Trail dialog box.

Operation complete

Blank

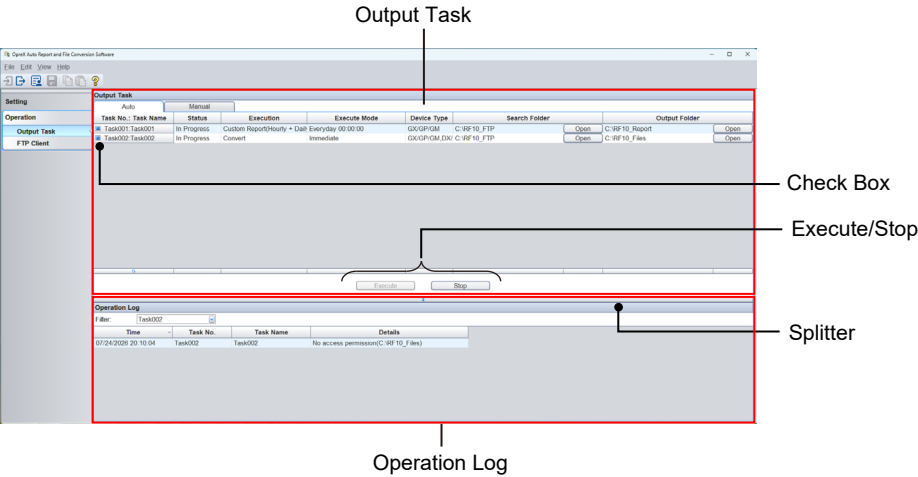
5.1 Running the Output Tasks

There are two types of output task operation: automatic and manual.

5.1.1 Running in Auto Mode

In automatic operation, tasks are run based on the execute mode setting for the output task.

Operation Screen



Button

Name	Description
Execute	Running automatic operation
Stop	Stopping automatic operation

Icon (Common to automatic and manual)

Icon	Description
	Collectively change Selecting and clicking a line switches the channel of the selected line between use and not use (check box selected and not selected). Each click toggles the selected items between checked and unchecked.
	To toggle the operation log screen between shown and hidden, click the splitter.

Display Contents of Output Task

Item	Description
Task No.: Task Name	Task number and task name of tasks with Execution set
Check box	Selecting/deselecting tasks Select the tasks to run or stop.
Status	Task running status ---: Stopped status Waiting: When the task operation has started, and the task is waiting to run Running: When a task is running
Execution	Execution (Standard Report, Convert , Custom Report (Report Type))
Execute Mode	Execute Mode Auto: Immediate Interval: number Interval HH:MM:SS (number: Interval value) Everyday: Everyday HH:MM:SS Every Week: Every Week weekDay HH:MM:SS (weekday: weekday) Every Month: Every Month day HH:MM:SS (day: day) Save interval: Save interval time (time: time, 1 min to 1 hour) Level: Starting Condition, Ending Condition (HH: 0 to 23, MM: 0 to59, SS: 0 to59)
Device Type	Device Type (GX/GP/GM, DX/FX, μ R)
Search Folder	Search Folder To open the search folder, click Open .
Output Folder	Output Folder To open the output folder, click Open .

Display Contents of Operation Logs

Error logs for output tasks in operation appear. Results of task runs and other information can be viewed in the Audit Trail.

Item	Description
Time	Time The display format varies depending on the display language. The logs are displayed in order from the most recent to the oldest (default). Click the time column heading to toggle the display order between most recent first (↘) and oldest first (↗).
Task No.	Task No.
Task Name	Task name of task number.
Details	Execution log

Details

Item	Description
Print error	Failed to print. This message indicates a printer setting-related issue and appears when "Microsoft Print to PDF" is specified in the printer settings.
Output failure(Folder name)	Failed to execute due to an error related to the output folder. Failed to generate because access to the output folder was denied.
Storage failure	Failed to store the processed file.
File error (File name)	Failed to execute because an error occurred with the data files located in the search folder.
Search folder does not exist (Folder name)	The search folder does not exist.
Access denied (Folder name)	Access to the folder was denied.
Failed to create output folder (Folder name)	Failed to create the output folder.
Failed to create processed file storage folder (Folder name)	Failed to create a folder for processed file storage.
Outside of range (File name)	Output was stopped because the data does not fall within the setting range. (Example) The data does not fall within the set time range. No groups have been set up.
File missing (Task No.)	The output data file was missing from the generated results.
Template file does not exist (Template file name)	The specified template file does not exist for Custom Report generation.
Execute error	This error does not fit any of the previously mentioned causes.

Procedure**Running an Output Task**

- 1 Select **Operation – Output Task** in the navigation area.
- 2 Select the check box for an output task to be run, and then click **Execute**.
The selected task is run.

[Operation complete](#)

Stopping an Output Task

- 1 Select **Operation – Output Task** in the navigation area.
- 2 Select only the check box for the output task to be stopped, and then click **Stop**.
Do you want to stop the output task execution ? message appears.
- 3 Click **OK** button.
The selected task is stopped.

[Operation complete](#)

Displaying Operation Log

- 1 Select the output task whose operation logs you want to display by using the filter.
The operation logs for the selected output task appear.

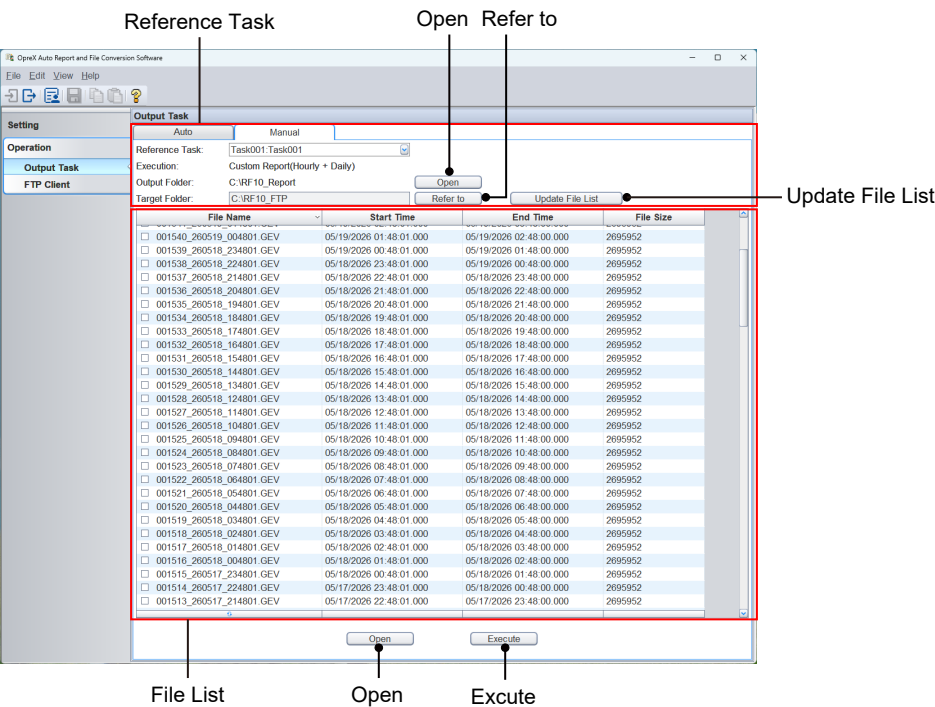
A maximum of 5000 logs appears. If the number exceeds 5000, the oldest logs are deleted.

[Operation complete](#)

5.1.2 Running in Manual mode

In manual operation, select the target folder and target files, and then run the process.

Operation Screen



Button

Name	Description
Open	Open the output folder.
Refer to	Select the target folder.
Update File List	Update the file list.
Open	Use Universal Viewer to open the selected data files.
Execute	Run the manual operation.

Reference Task Content

Item	Description
Reference Task	Selecting a reference task
Execution	Execution of the reference task
Output Folder	Output Folder
Target Folder	Target Folder, Up to 255 characters

File List Content

Item	Description
File Name	File name
Check box	Click the file name column heading to toggle the display order between newest first (v) and oldest first (^). Selecting/deselecting files Select the files to run.
Start Time	Start time of data file
End Time	End time of data file
File Name	Data file size

Procedure

- 1** From **Reference Task**, select the task to run.
You can see contents set for **Execution** and **Output Folder**.
Click **Open** for the output folder to open the output destination folder.
- 2** Enter the target folder in **Target Folder** (up to 255 characters are displayed), or click **Refer to** to select it.
Click **Update File List** to update the list to the latest version.
- 3** Select the check box for the file to run, and then click **Execute**.
The output task is run.

Operation complete

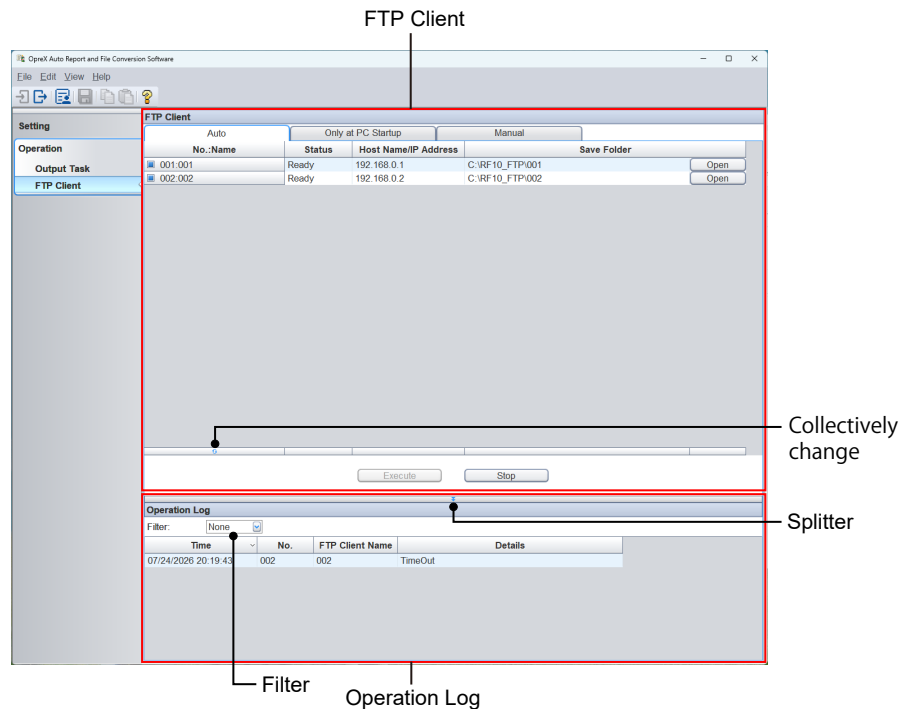
5.2 Running the FTP Client

There are three ways to operate an FTP client: Auto, Only at PC Startup, and Manual.

5.2.1 Running in Auto Mode

In Auto mode, the target files are retrieved from the recorder every 10 minutes.

Operation Screen



Button

Name	Description
Execute	Automatic operation starts.
Stop	Automatic operation stops.

Icon (Common to Auto, Only at PC Startup)

Icon	Description
	Collectively change Selecting and clicking a line switches the channel of the selected line between use and not use (check box selected and not selected). Each click toggles the selected items between checked and unchecked.
	To toggle the operation log screen between shown and hidden, click the splitter.

Contents Displayed the FTP Client

Item	Description
Task No.: Task Name	FTP Client number and name
Status	FTP client running status Waiting: Waiting to run Running: Retrieving the target files
Host Name/IP Address	FTP server's host name and IP address
Save Folder	Save folder

Contents Displayed the Operation Log

Item	Description
Time	Log time Click the time column heading to toggle the display order between most recent first (▼) and oldest first (▲).
No.	FTP Client name No.
Name	FTP Client name
Details	Operation status

Details

Displaying Log	Description
Connection Failed	Failed to connect to the FTP server.
TimeOut	Connection to the FTP server timed out.
Login Failed	The user name and password are wrong.
Access Failed	The user does not have access permission.
Save folder does not exist (folder name)	The save folder does not exist.
Unknown	Another error occurred.

Procedure**Running Automatic Operation**

- 1 Select **Operation – FTP Client** in the navigation area.
- 2 Select **Auto** tab.
- 3 Select the check box for the FTP client to be run, and then click **Execute**.
The selected FTP client is run.

[Operation complete](#)

Stopping Automatic Operation

- 1 Select **Operation – FTP Client** in the navigation area.
- 2 Select only the check box for the FTP client to be stopped, and then click **Stop**.
Do you want to stop the FTP client execution? dialog box appears.
- 3 Click **OK**.
The selected FTP client is stopped.

[Operation complete](#)

5.2.2 Running in Only at PC Startup Mode

The software runs only once when the PC starts up, and remains idle for the rest of the time.

The Operation Screen, the Display in Only at PC Startup Mode, and the Operation Log Display

Same as those for automatic operation.
▶ Refer to page 5-6 in section 5.2.1, “Running in Auto Mode”

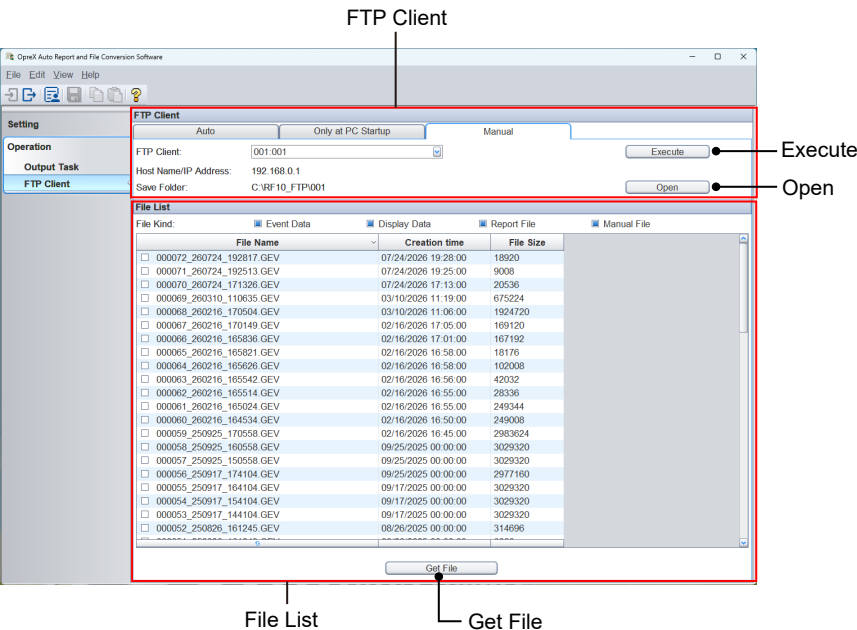
Procedure

Other than selecting the **Only at PC Startup** tab, the operation is the same as that for automatic operation.
▶ Refer to page 5-6 in section 5.2.1, “Running in Auto Mode” for instructions.

5.2.3 Running in Manual Mode

Manual operation involves running one FTP client and retrieving files from the connected recorder.

Operation Screen



Contents Displayed the FTP Client

Item	Description
FTP Client	FTP client number and name.
Host Name/IP Address	Host name/IP address of the connection target
Save Folder	Save folder

Contents Displayed the File List

Item	Description
File Kind	Selecting the type of files to retrieve Kind: Event Data, Display Data , Report File, Manual File
File name	File name Click the file name column heading to toggle the display order between newest first (↘) and oldest first (↗).
Check box	Select the check boxes for the files to run.
Creation time	Creation time
File Size	File size of target file

Procedure

- 1** Select **Operation – FTP Client** in the navigator area.
- 2** Select **Manual** tab.
- 3** From **FTP Client**, select the FTP client to run, and then click **Execute**.
The FTP client runs, and the file list appears.
- 4** In **File Kind** of the file list, select the check boxes for the file types to retrieve.
- 5** Select the check boxes for the files to retrieve, and then click **Get File**.
The selected files are retrieved.

Operation complete

Blank

6.1 Displaying the Audit Trail

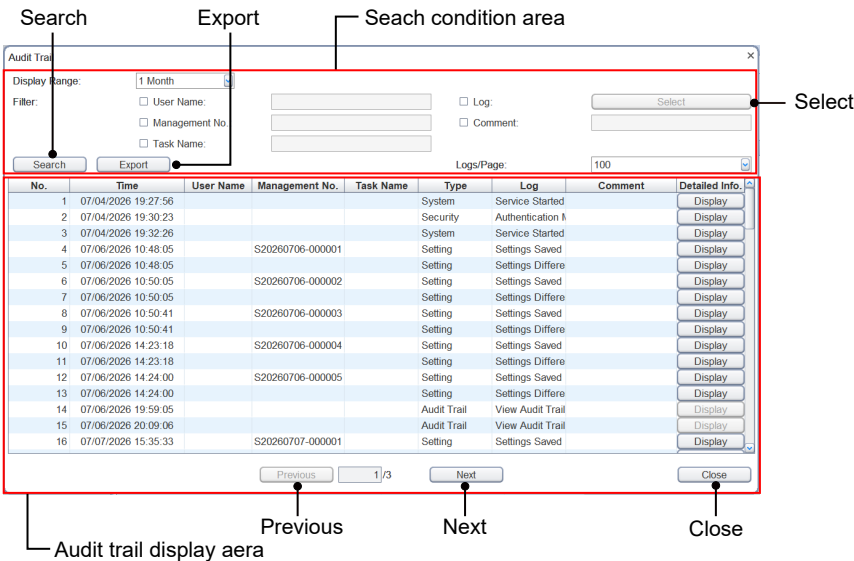
6.1.1 Displaying the Audit Trail Screen

Procedure

- 1 On the **View** menu, click **Audit Trail**.
Audit Trail dialog box appears.
- 2 Click **Close** button to close the **Audit Trail** dialog box.

Operation complete

Screen



Button

Name	Description
Search	Search for Audit Trails within the display range according to the filter conditions, and then display the results.
Export	Exports the Audit Trails of the search results.
Select (Log)	Displays the log item selection dialog box.
Previous	Displays the Audit Trail on the previous page.
Next	Displays the Audit Trail on the next page.
Close	Close the Audit Trail dialog

Search Condition Area

The search conditions for the Audit Trails appear.
► For details, page 6-2 in section 6.2.1, "Setting Search Conditions for Audit Trails".

Audit Trail Display Area

The details of the Audit Trails based on the search conditions appear.
► For details, page 6-3 in section 6.2.2, "Checking the Audit Trail"

6.2 Checking the Audit Trail

6.2.1 Setting Search Conditions for Audit Trails

Set the display conditions for Audit Trails.

Description

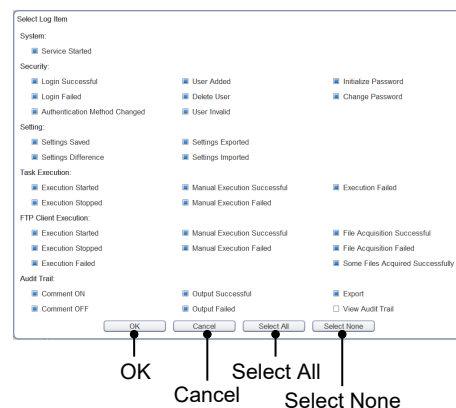
Search Condition Setting Item

Setup Item		Selectable Range or Options	Default Value
Display Range	Range	1 Month, 3 Months, 6 Months, 1 Year, Specified Range	1 Month
	Date	Start date/End date (calendar input) The maximum period you can specify is one year.	Start date: On the day to 1 Year End date: On the day
Filter	User Name	User Name, Management No., Task Name, Log, Comment	Unchecked
	Management No.	Up to 20 characters	Unchecked
	Task Name	Up to 20 characters	Unchecked
	Log	Log item (select)	Unchecked
	Comment	Up to 30 characters	Unchecked
Logs/Page		20, 50, 100 (Number of display logs per page)	20

Selecting Log Items

You can select the logs to display for each Audit Trail type.

► For detail of log item, refer to .page 6-3 in section 6.2.2, “Checking the Audit Trail”



Button

Name	Description
OK	Reflects the settings configured and closes the dialog box.
Cancel	Discards the settings configured and closes the dialog box.
Select All	Select all setting items.
Select None	Deselect all setting items.

6.2.2 Checking the Audit Trail

Displays the Audit Trails based on the search conditions.

Procedure

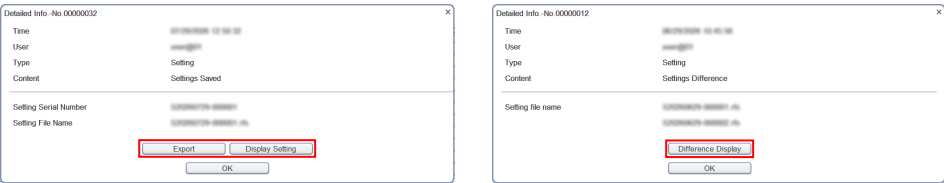
Displaying the Audit Trail

- 1 Set the display range and filter, then click **Search** button.
The details of the Audit Trails based on the search conditions appear.

Operation complete

Displaying the Detailed Information

- 1 Click **Display** button of **Detailed Info..**
Detailed Info. dialog box appears.



If the type is “Settings” and the log is “Settings Saved,” click **Display Setting** to display the setting information, or click **Export** to save the settings externally.

If the type is “Settings” and the log is “Setting Differences,” click Difference Display to display the setting information on the differences.

► Refer to page 4-25 in section 4.4.2, “Displaying differences in setting information”

- 2 Click **OK** to close **Detailed Info.** dialog box.

Operation complete

Disply Item

Item	Description
No.	Audit trail number
Time	Time
User Name	User name
Management No.	Management number
Task Name	Task name
Type	Type
Log	Operation
Comment	Input comment details
Detailed Info. (display)	Detail information of Log

Detail Information

Kind	Log (Operation)	Detail Information
System	Service Started	Computer Name
Security	Login Successful	—
	Login Failed	—
	User Invalid	—
	Authentication Method Changed	Authentication Method
	User Added	User name
	User Deleted	
	Password Initialized	
	Password Changed	
Setting	Settings Saved	Setting serial No.
	Settings Difference	Currently configured serial number Past configured serial number
	Settings Exported	Setting serial No. Output file name File size Hash value
	Settings Imported	Setting serial No. Input file name File size Hash value
Task Execution	Execution Started	—
	Execution Failed	—
	Execution Stopped	—
	Manual Execution Successful	Task name Target file full path
	Manual Execution Failed	Task name Target file full path
FTP Client Execution	Execution Started	Client No.
	Execution Failed	
	Execution Stopped	
	Manual Execution Successful	
	Manual Execution Failed	
	File Acquisition Successful	File name
	File Acquisition Failed	
	Some Files Acquired Successfully	
Audit Trail	Comment ON	—
	Comment OFF	—
	Output Successful	RF10 Serial No. Task name Setting Serial No. Input file name Output file name File size Hash value
	Output Failed	RF10 Serial No. Task name Setting Serial No. Input file name File size Hash value
	Export	File name File size Hash value
	View Audit Trail	—

6.2.3 Exporting Audit Trail search results

Export the search results.
The file format is CSV.

Procedure

- 1** Click **Export** button.
Save As dialog box appears.
- 2** Select a save location, enter the file name, and click **Save**.
The searched Audit Trails are saved.

Operation complete

6.3 Entering a Comment

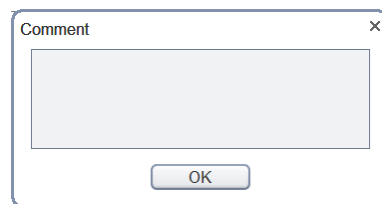
When you perform the following operations, the [Comment] dialog box appears, allowing you to enter a comment:

Operation Items for Displaying the Comment Input Dialog Box

- Authentication Method Changed
- User Added
- User Deleted
- Password Initialized
- Password Changed
- Settings Saved
- Settings Exported
- Settings Imported
- Execution Started
- Execution Stopped
- Manual Execution
- Audit Trail Exported

Procedure

- 1 When the **Comment** dialog box appears, enter your comment and click **OK**. You can enter up to 100 characters for the comment.



Operation complete

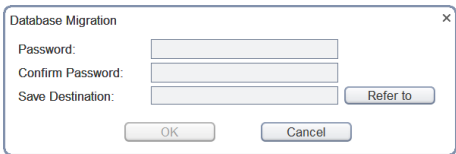
7.1 Migrating the Databases

This section describes how to migrate the databases (settings, Audit Trails, etc.) when transferring an RF10 environment to another PC.
You can securely migrate the database files between PCs by protecting them with a password.

Procedure

Tasks on the Source PC

- 1 On the **File** menu, click **Migrate Database**.
Database Migration dialog box appears.
- 2 Set **Password**, **Confirm Password**, **Save Destination**, and click **OK**.
The databases are saved to the specified save location.



Item	Selectable Range or Options
Password	Up to 30 alphanumeric characters, eight or more symbols.
Confirm Password	At least three of the following types must be included: uppercase letters, lowercase letters, numbers, and symbols.
Save Destination	Up to 255 characters

Note ////////////////////////////////////
For the database migration save location, specify external media such as a USB drive, or a folder other than the root directory of a drive. If you specify the root directory of the C: drive or a folder managed by a personal account, an error occurs.
////////////////////////////////////

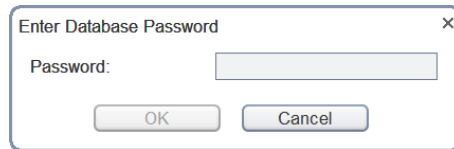
- 3 Copy the database files to be migrated (RFDatabase.pwd and RFServer.db) to the destination PC.

Tasks on the destination PC

- 4 Install the RF10.
- 5 Start the task manager.
- 6 On the “Services” tab in Task Manager, right-click “RFService”, and then click “Stop.”
Confirm that the status is Stopped.
- 7 The databases are saved to the database save location specified during installation.
- 8 On the “Services” tab in Task Manager, right-click “RFService,” and then click “Start.”
Confirm that the status is Running.

- 9** Start the RF10.
Enter Database Password dialog box appears.

- 10** Enter the password used during the database migration and click **OK**.
RF10 starts.

A screenshot of a Windows-style dialog box titled "Enter Database Password" with a close button (X) in the top right corner. Inside the dialog, there is a label "Password:" followed by a text input field. Below the input field are two buttons: "OK" and "Cancel".

Enter Database Password

Password:

OK Cancel

Operation complete

8.1 Errors and Messages

Messages

Code	Message	Description
M1001	The software trial period has expired. It cannot be used.	The software trial period has expired. Purchase and register a license.
M1002	The software has been activated. Please restart the software PC.	The software has been licensed. Restart the PC.
M1003	License has been upgraded. Please restart PC.	Restart the PC.
M1010	Do you want to stop the output task execution?	-----
M1011	Do you want to stop the FTP client execution?	-----
M1012	Do you want to save the changes to the settings?	-----
M1013	Is it OK to exit?	-----
M1014	Do you want to delete the user?	-----
M1021	FTP connection successful.	-----
M1022	Task output successful.	-----
M1023	File acquisition successful.	-----

Warning Messages

Code	Message	Corrective Action Description or Cause
W2001	The configuration of the settings to be imported is not compatible with the /LEoption. Importing will convert to the /LE option configuration. Do you want to import?	You attempted to import all settings into the /LE option.
W2002	The current settings will be discarded. Is that OK?	This notification appears when you import a settings file.
W2011	The search folder for (TaskNo: TaskName) overlaps with the processed file storage folder setting for (TaskNo: TaskName). Please specify non-overlapping folders.	The search folder is the same as the folder where processed files are stored.
W2012	The processed file storage folder for (TaskNo: TaskName) overlaps with the search folder setting for (TaskNo: TaskName). Please specify non-overlapping folders.	The folder where processed files are stored is the same as the search folder.
W2013	No target range, so output will not be performed.	There are no data points in the target range. Specify the target range correctly.
W2021	A file with the same name exists in the folder. Do you want to overwrite?	OK: Files are overwritten. Cancel: Files are not overwritten.

Error Messages

Code	Message	Corrective Action Description
E3001	Please enter at least eight characters for the password.	An incorrect password was entered. Enter the correct password.
E3002	Your password does not comply with the password policy. Please enter a different password that meets the policy requirements.	Enter a different password in accordance with the following password policy: ► 2.3 Configuring Authentication Setting Range
E3003	The new password and the confirmed password does not match.	Enter the new password and confirmation password so that they match.
E3004	Your password does not comply with the password policy. Please enter a different password that meets the policy requirements.	Enter a different password in accordance with the following password policy: ► 7.1 Migrating the Databases
E3005	The new password and the confirmed password does not match.	The password and confirmation password do not match. Make sure that the password and confirmation password match.
E3006	Login failed. Please check your password.	Enter the correct password.
E3007	Login failed. Please check your user name, user ID, or password.	Enter the correct user name, user ID, and password.
E3008	The password could not be updated. The new password cannot be the same as the current password.	Enter a password different from the current password.

Continued on next page

8.1 Errors and Messages

Code	Message	Corrective Action	Description
E3009	The user has been disabled.	Contact your administrator and have your password reset.	
E3010	This user is invalid. The user is locked, so please contact the administrator.	Contact your administrator and have your password reset.	
E3011	Failed in registration. The administrator authority is required. Please restart as an administrator or run as administrator and restart.	Check the license number, and enter it correctly.	
E3012	Please select 'Run as administrator' when launching the software.	You attempted to register the license number while logged in as a non-administrator. When starting RF10, select "Run as administrator."	
E3015	The specified user already exists and cannot be registered.	Set a user name that does not exist.	
E3021	User manual does not exist in the specified location.	The PDF manuals are not in the designated location. Place the PDF manuals in the client installation folder.	
E3022	Failed to start Adobe Reader.	Adobe Reader is not installed. Check that Adobe Reader is installed and that its version is supported by this product.	
E3023	Failed to start Universal Viewer.	Check whether Universal Viewer is installed.	
E3031	Failed to access the database.	-----	
E3041	Specified folder does not exist.	The specified folder cannot be opened. Specify an existing folder.	
E3042	Cannot access the folder.	Check the access permissions for the specified folder.	
E3101	An error occurred while reading the file.	Failed to read the file during settings import. Check that the file for importing is correct.	
E3102	An error occurred while writing the file.	Failed to write the file during settings export because you do not have permission to write to the export destination folder, or there is insufficient free disk space. Check that the export destination folder is not set to read-only and that there is enough free disk space.	
E3105	File already exists. Cannot save.	Change the save destination and rename the existing file.	
E3111	Failed to connect to the server. Do you want to reconnect?	Check that the server started up correctly.	
E3112	Failed to connect to the FTP server.	Check that the server and port number are correct.	
E3121	Task output failed.	Manual operation for the task failed.	
E3122	Failed to execute some files.	Manual operation for a file failed.	
E3123	File acquisition failed.	-----	
E3124	Failed to acquire some files.	This notification appears when an FTP client fails to run manually.	