

**Canon**

# i Function Flow Editor

**V2.4**

## User's Guide



Please read this guide before operating this product.

After you finish reading this guide, store it in a safe place for future reference.

**ENG**



# **iW Function Flow Editor User's Guide**

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# Preface

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Thank you for purchasing the iW Function Flow Editor. Please read this manual thoroughly before operating the product to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

## Target Readers

This manual is targeted for readers who have basic operational knowledge of canon multifunctional device, Windows, and networks.

- Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions.
- However, as we are constantly improving our products, if you need an exact specification, please contact Canon.
- Data damaged or deleted while using this software cannot be recovered. Canon Inc. shall not be liable for the damage or loss of data, or losses or expenses resulting therefrom.

# How To Use This Manual

## Indications Used in This Manual

This manual explains operating procedures and important handling precautions as follows.

### IMPORTANT

- Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine or property.

### NOTE

- Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

## Buttons Used in This Manual

The following symbols and button names are a few examples of how buttons to be clicked are represented in this manual:

- Buttons/Menu Commands: [Button/Menu Command Name]

Examples: [Create]

[OK]

- Tool Buttons on Tool Bar: Button Icon (Button Name)

Examples:  (Upload)

### NOTE

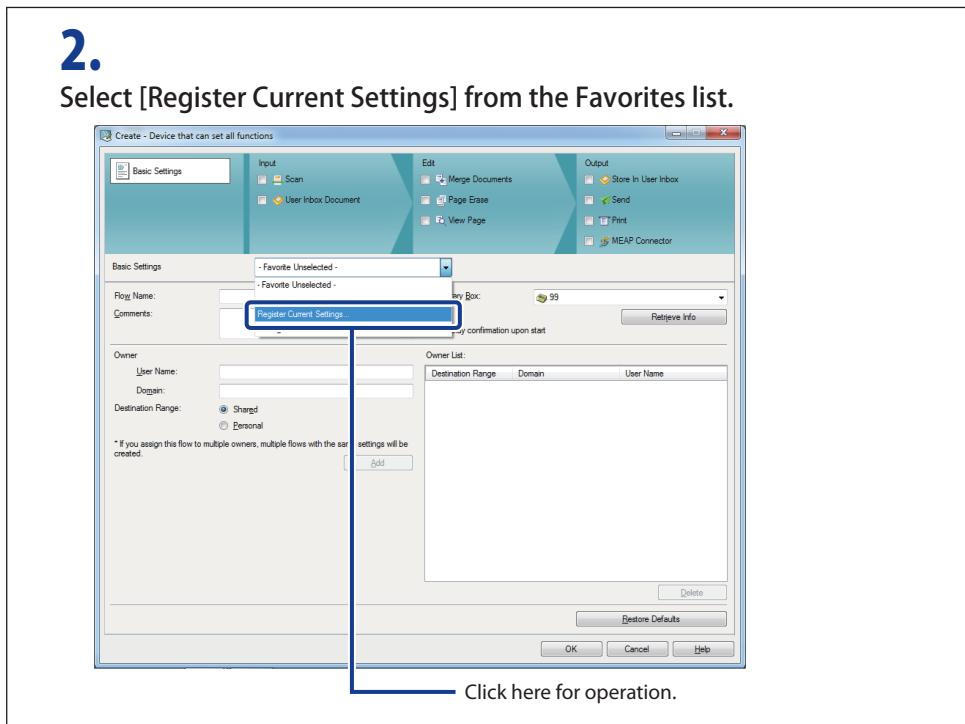
- The procedures in this manual assume that the windows [Settings]/[Start] menu and Control Panel display has not been customized after Windows was installed.

# Displays Used in This Manual

Screen shots of the computer displays used in this manual may differ slightly, depending on the operating system you are using.

The items which you should select/click are marked with a , as shown below.

When multiple items can be selected/clicked, all items are marked.



## Abbreviations Used in This Manual

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In this manual, product name and model names are abbreviated as follows:

Microsoft Windows 7:	Windows 7
Microsoft Windows 8.1:	Windows 8.1
Microsoft Windows 10 :	Windows 10
Microsoft Windows Server 2008 R2:	Windows Server 2008 R2
Microsoft Windows operating system:	Windows
Microsoft .NET Framework:	.NET Framework
Windows Internet Explorer:	Internet Explorer
iW Function Flow Editor V2.4:	iW Function Flow Editor
iW Function Flow V1.1 or later:	iW Function Flow

## Terms Used in This Manual

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The term "device" refers to multi-functional peripherals manufactured by Canon.

## Trademarks

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"MEAP" is a trademark of CANON Inc., referring to an "application platform" for Canon multifunction and single function printers.

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# Before Using this Product

This chapter provides an overview of iW Function Flow Editor, and describes its system requirements.

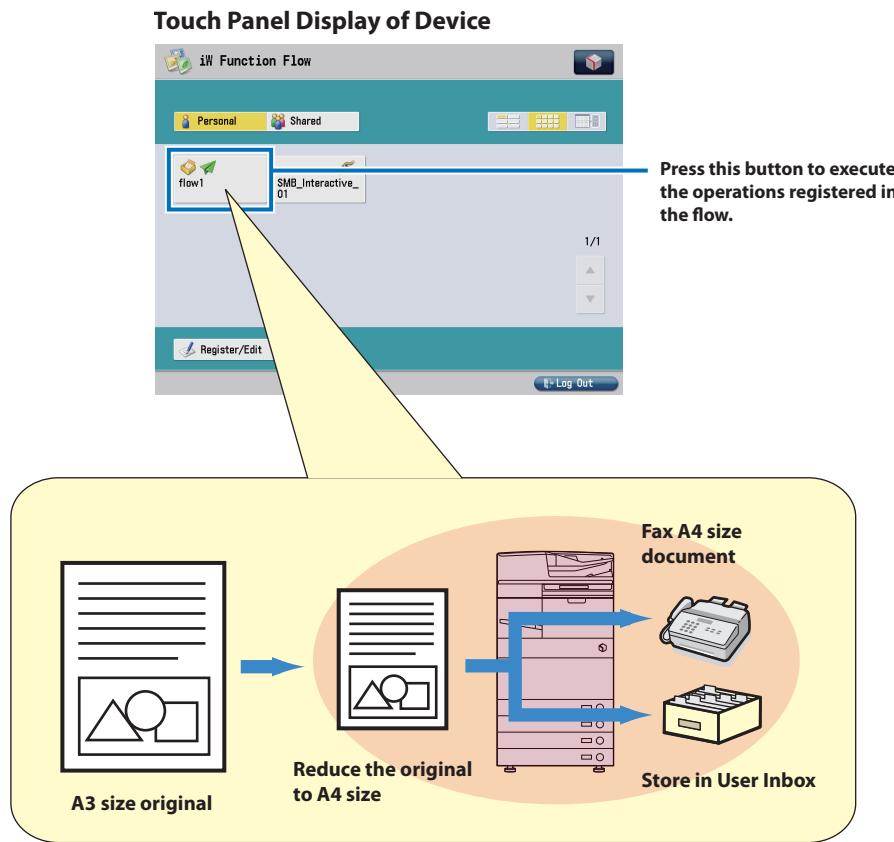
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# Overview

iW Function Flow products increase the efficiency of routine operations. By creating and registering a combination of functions that are frequently used on devices as "a flow," you can repeatedly use these functions with a simple press of a button.

For example, you can register a series of operations that scans an A3 original, reduces it to A4, sends it by fax, and then stores a backup of the reduced scan in an inbox, as a single flow.



iW Function Flow Editor is a Windows application for creating flows on a computer.

To create a flow using iW Function Flow Editor, first select a device as the target. If a device is selected, iW Function Flow Editor connects to the device to enable you to create flows utilizing the available functions effectively.

After creating a flow, upload (register) it to a target. You can upload the flow to multiple targets at one time. Once the flow is uploaded to and registered in the selected target, the flow can be executed on devices.

Flows stored in a target can also be downloaded (retrieved), edited with iW Function Flow Editor, and then uploaded to the target again.

# iW Function Flow Family Software

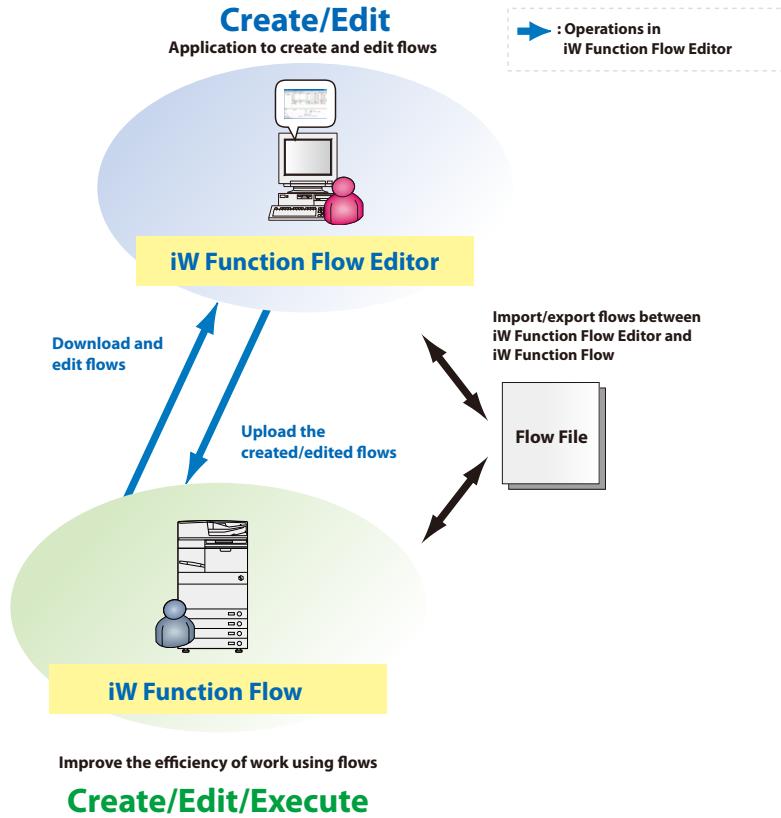
iW Function Flow is an application for creating/executing flows on a device.

You can view, import, and export flows by accessing the device from a computer with a Web browser.

iW Function Flow Editor is a Windows application for creating flows on a computer.

You can upload (register) the created flows to a target (device). You can also download (retrieve) flows that are stored in targets to a computer, and then edit them.

For more information, see each software application's user manuals.

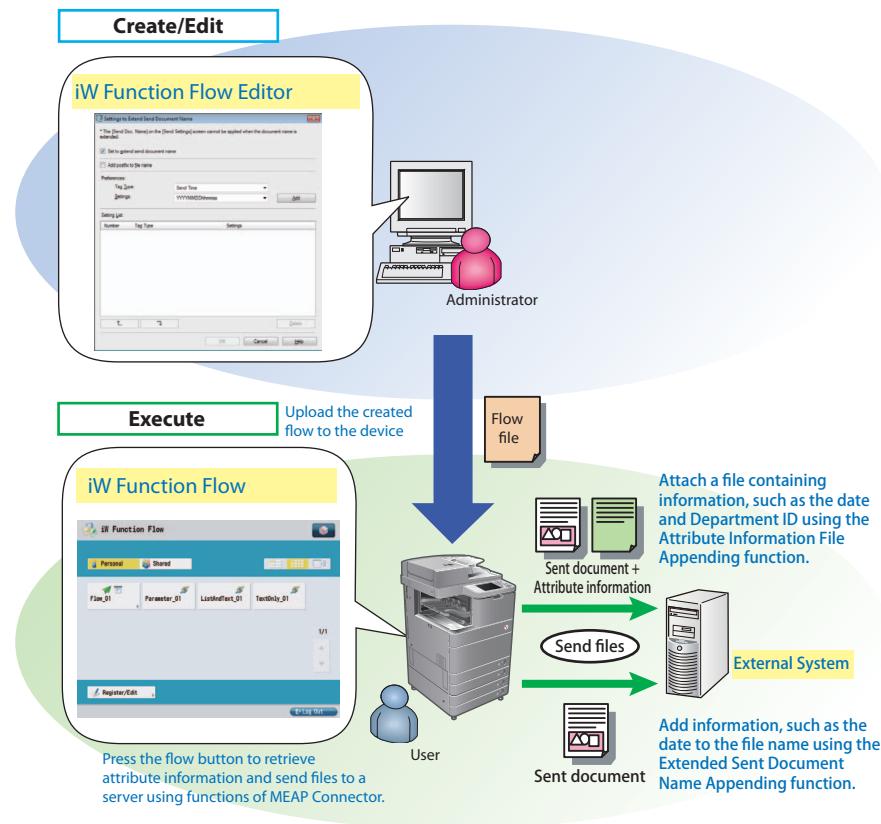


# Function for Adding Attribute Information

The Extended Sent Document Name Appending function of iW Function Flow Editor enables you to create flows with attribute information of the sent document automatically entered in the file name. You can also use the Attribute Information File Appending function to automatically create a flow that creates a file including the detailed information of the sent document and sends that file with the sent document. By using these functions, sent documents can be easily searched for and used consecutively with the file management system.

You can set a combination of information, such as a custom string, send date, and device installation location in the extended sent document name. Information, such as the send date, Department ID, and file size can be output to the attribute information file.

For more information, see "Flows to Automatically Set the File Name of Send Document Information," on p. 3-60, and "Flows to Automatically Create a File including Send Document Information," on p. 3-62.



**IMPORTANT**

- Flows using the attribute information appending function can only be created/edited using iW Function Flow Editor V2.0 or later. Flows using the attribute information appending function cannot be created with iW Function Flow and older versions of iW Function Flow Editor.

# The MEAP Connector

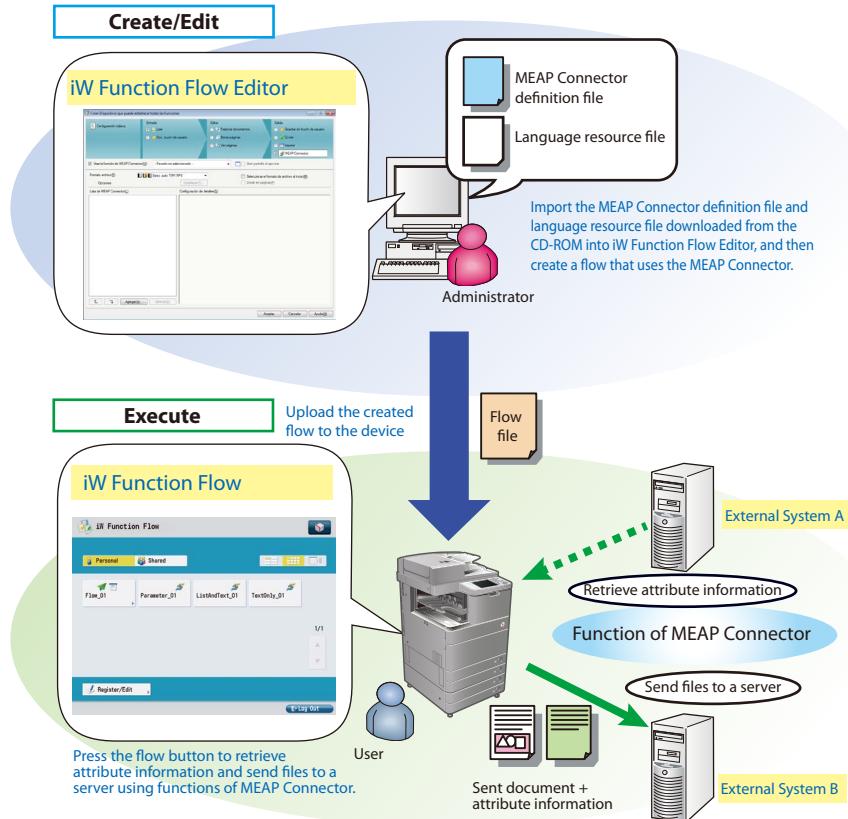
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The MEAP Connector used in with iW Function Flow Editor and iW Function Flow enables you to easily create flows that link with external systems. this means a wider range of work can be standardized.

The MEAP Connector is software for linking devices, such as imageRUNNER ADVANCE with external systems. When the MEAP Connector is installed in a device, it acts as a bridge between the applications in the device and external systems, enabling you to easily link to the external systems.

For example, if you use MEAP Connector for SMB and MEAP Connector for SMB Indexing, a wizard for entering attribute information is displayed based on the information retrieved from a reference file stored on an SMB server, and then you can easily create/execute flows for performing an operation, such as saving a document together with an attribute information file to the desired folder on the server with the press of a single button.

There are various types of MEAP Connectors to support various external systems. Make sure to install the MEAP Connector suitable for the external system you are going to use in the device. To create/edit flows using a MEAP Connector, it is necessary to import a MEAP Connector definition file into iW Function Flow Editor, and associate it with the device in which the MEAP Connector is installed. For more information, see "Registering the MEAP Connector," on p. 3-25.



The functions and settings for the MEAP Connector differ, according to the type of the MEAP Connector. For more information, see the manuals for each MEAP Connector.

#### IMPORTANT

- Flows using MEAP Connectors can only be created/edited using iW Function Flow Editor V2.0 or later. Flows using MEAP Connectors cannot be created with iW Function Flow and older versions of iW Function Flow Editor.
- The MEAP Connector can only be used on devices that support MEAP Connectors, such as imageRUNNER ADVANCE. For more information on the supported devices, see the manuals for each MEAP Connector.

# Environment Variables

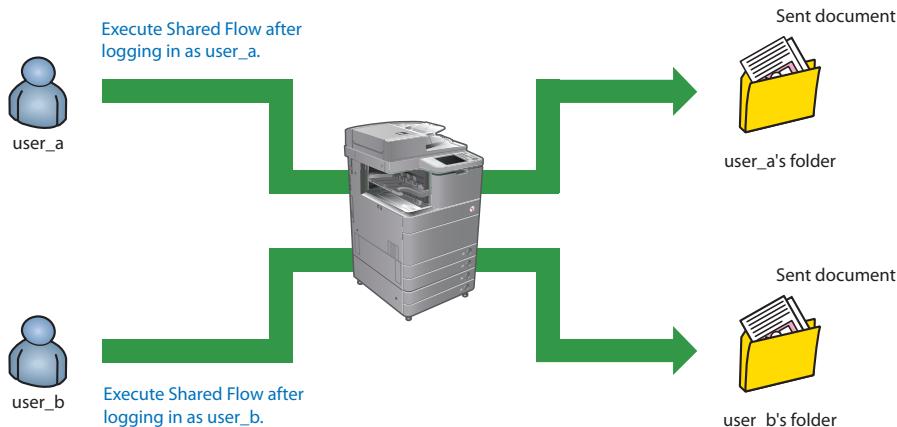
Environment variable enable you to easily create flows that send files to a folder, including a user name, or add the date to a file name, etc. as a single shared flow.

For example, to send files to a folder that includes the user name, you can create a shared flow with "<server name>\<shared folder name>\%loginname%" entered in [File Path]. When a user logs on to the device with their user name, for example "user\_a", and executes this shared flow, iW Function Flow automatically replaces the path as "<server name>\<shared folder name>\user\_a", and then sends the file to the "\user\_a" folder in the specified shared folder. When a user logged in to the device with the user name "user\_b" executes the same shared flow, iW Function Flow automatically replaces the path to save the file to with "<server name>\<shared folder name>\user\_b", and sends the file to the "\user\_b" folder in the specified shared folder.

For more information, see "Using Environment Variables," on p. 3-69.

## IMPORTANT

- To execute flows including environment variables, the device must allow the use of environment variables. For more information, see the manuals for iW Function Flow.



# System Requirements

This section describes the system requirements for iW Function Flow Editor.

## NOTE

- For information on the compatibility for different versions of iW Function Flow and iW Function Flow Editor, see "Compatibility," on p. 1-12.

## Operating Environment of Computer

### Hardware

The following are hardware specifications required to install iW Function Flow Editor on a computer.

#### CPU

Intel Core 2 Duo 2.53GHz or more

#### Memory

2GB or more

## IMPORTANT

- If a large number of flows are being managed, increase the maximum amount of virtual memory used in your operating system.

### Display Environment

1,024 x 768 or higher resolution, 65,536 (16-bit) color mode or higher color mode (Recommended: 1,280 x 1,024 or higher resolution, 16,777,216 (24-bit) color mode or higher color mode)

## IMPORTANT

- If you use "Large Fonts", 1,280 x 1,024 or higher resolution is required.
- "Extra Large Fonts" and the font size more than 120 dpi are not supported.

### Hard Disk

Hard disk space required for installation: 50 MB minimum

## IMPORTANT

- When installing the included .NET Framework, the following additional free space is required.
  - For 64-bit operating systems: 4.5 GB + 2 GB (Language Pack)
  - For 32-bit operating systems: 4.5 GB + 850 MB (Language Pack)
- To create/edit flows, sufficient space to store flows temporarily is required in addition to the system requirements for iW Function Flow Editor.

# Software

The following are software specifications required to install iW Function Flow Editor on a computer.

## Operating System

- Microsoft Windows Server 2008 R2 (Service Pack 1)
- Microsoft Windows 7 Professional 32-bit Edition (Service Pack 1)
- Microsoft Windows 7 Professional 64-bit Edition (Service Pack 1)
- Microsoft Windows 7 Enterprise 32-bit Edition (Service Pack 1)
- Microsoft Windows 7 Enterprise 64-bit Edition (Service Pack 1)
- Microsoft Windows 7 Ultimate 32-bit Edition (Service Pack 1)
- Microsoft Windows 7 Ultimate 64-bit Edition (Service Pack 1)
- Microsoft Windows 8.1 Pro Update 32-bit Edition
- Microsoft Windows 8.1 Pro Update 64-bit Edition
- Microsoft Windows 8.1 Enterprise Update 32-bit Edition
- Microsoft Windows 8.1 Enterprise Update 64-bit Edition
- Microsoft Windows 10 Pro 32-bit Edition (Anniversary Update)
- Microsoft Windows 10 Pro 64-bit Edition (Anniversary Update)
- Microsoft Windows 10 Enterprise 32-bit Edition (Anniversary Update)
- Microsoft Windows 10 Enterprise 64-bit Edition (Anniversary Update)

### IMPORTANT

- Only the Standard Edition of Windows Server 2008 R2 is supported.
- The fast user switching function of Windows is not supported.

## Software Runtime Environment

- Microsoft .NET Framework 4.5
- Microsoft Data Access Components 2.8 (Service Pack 1)

### IMPORTANT

- The built-in Windows account, "Guest," is not supported by iW Function Flow Editor.

### NOTE

- You can also install .NET Framework from the installation disc for this product. For more information, see "Installing iW Function Flow Editor," on p. 2-2.

## Web Browser

To activate your iW Function Flow Editor license, any of the following Web browsers must be installed on your system.

- Internet Explorer 11.0
- Microsoft Edge

# Supported Devices

iW Function Flow Editor supports devices that have iW Function Flow started and the Device Information Delivery Settings function of flows installed.

## IMPORTANT

- To set a device as a target, iW Function Flow must be started on that device. For more information, see the manuals for iW Function Flow.
- Flows can only be downloaded from and uploaded to devices which enabled use of the Device Information Delivery Settings function for flows. The Device Information Delivery Settings function for flows can be used by setting [iW Function Flow] to [Off] in [Restrict Receiving for Each Function] in [Device Information Delivery Settings] on the [Settings/Registration] screen or [Additional Functions] screen of devices. After uploading/downloading flows, set this setting to [On] again, as necessary. For more information, see the manuals for the devices.
- Some devices may be able to use the Device Information Delivery Settings function for flows if their firmware is updated. For more information, contact your local authorized Canon dealer.
- On the iR 3045/3035/3025, you can execute a flow using iW Function Flow, but, you cannot upload/download a flow from the iW Function Flow Editor because the Device Information Delivery Settings function of flows is not installed.
- SNMPv3 communication is not supported.
- It is necessary to open a specific port on the target devices. Enable the use of HTTP for network settings from the [Settings/Registration] screen or [Additional Functions] screen of the devices. If you want to use encrypted communication with the device, configure the required settings to use HTTPS. For more information, see the manuals for the devices.

# Compatibility

iW Function Flow Editor has the following compatibilities with earlier versions of iW Function Flow Editor/iW Function Flow.

## Regarding Coexistence with the Older Version of iW Function Flow Editor

Do not have iW Function Flow Editor V2.0/V2.1/V2.2/V2.4 and iW Function Flow Editor V1.1/V1.2 mixed in the same environment such as an office, etc. Make sure to upgrade all iW Function Flow Editors to V2.0/V2.1/V2.2/V2.4 in the whole environment.

## Downloading/Uploading Flows

You can upload/download flows to iW Function Flow V1.1/V1.2/V2.0/V2.1/V2.2/V2.3/V2.4 from iW Function Flow Editor V2.0/V2.1/V2.2/V2.4.

### IMPORTANT

- You cannot upload/download flows to iW Function Flow V1.0.
- To use a flow created in iW Function Flow V2.2/V2.3/V2.4 with iW Function Flow V2.1 or earlier, the following settings are required:
  - [DES] is set for the encryption algorithm in the iW Function Flow used to create the flow
  - In iW Function Flow Editor, [DES] is set for the encryption algorithm of iW Function Flow target information

## Editing Flows

Using iW Function Flow Editor V2.0/V2.1/V2.2/V2.4, you can edit flows that were created/edited in iW Function Flow V1.1/V1.2/V2.0/V2.1/V2.2/V2.3/V2.4 or iW Function Flow Editor V1.1/V1.2/V2.0/V2.1/V2.2/V2.4. You can also edit flows created/edited in iW Function Flow Editor V2.0/V2.1/V2.2/V2.4 with iW Function Flow V1.1/V1.2/V2.0/V2.1/V2.2/V2.3/V2.4.

### IMPORTANT

- When you confirm the flow created in iW Function Flow V1.1/V1.2 or iW Function Flow Editor V1.1/V1.2 in the [Edit] dialog box of iW Function Flow Editor V2.0/V2.1/V2.2/V2.4, and click [OK], the flow file size gets larger even if the settings are not changed. If there is not enough space in a device, you may not be able to upload the flows to the same device again. If the settings are not changed, click [Cancel], and the flow file size remains the same.
- When you import/download a flow created/edited with iW Function Flow V1.1/V1.2/V2.0 or iW Function Flow Editor V1.1/V1.2/V2.0 to iW Function Flow Editor V2.1/V2.2/V2.4, that flow cannot be edited if it is set with functions the target cannot use. For more information, see "Editing a Flow," on p. 3-77.

## Executing Flows

You can execute flows created/edited in iW Function Flow Editor V2.0/V2.1/V2.2/V2.4 using iW Function Flow V1.1/V1.2/V2.0/V2.1/V2.2/V2.3/V2.4.

### IMPORTANT

- You may not be able to execute functions added in a newer version of iW Function Flow/iW Function Flow Editor with an older version of iW Function Flow.

# Restrictions

The following restrictions apply to the execution of flows created with this product.

## Access Management System Function Restrictions

When the Access Management System is used to restrict functions and applications, flows that use restricted functions cannot be registered, edited, or executed.

If the function restrictions do not permit the use of [Save Functions (Mail Box/Memory Media)], flows cannot be executed.

If the application restrictions do not permit the use of [iW Function Flow], flows cannot be executed.

### NOTE

- If the settings for function and application restrictions differ, the settings for application restrictions are given priority.

For more information on function restrictions and application restrictions, see the manuals for the Access Management System.

## Secure Audit Manager Function Restrictions

If the Secure Audit Manager is running on a device, you may not be able to execute flows that include editing or sending user inbox documents, depending on the restriction settings for the Secure Audit Manager.

For information on the restriction settings for editing or sending user inbox documents, see the manuals for Secure Audit Manager.

## Department ID Management Restrictions

If the number of prints that can be output on a device are limited by the Department ID Management function of the device, a flow will be canceled if executing it will cause the number of prints to exceed the specified limit.

For more information on the Department ID Management function, see the instruction manuals that came with the device.

# Installing iW Function Flow Editor

This chapter describes the procedure for installing iW Function Flow Editor.

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# Installing iW Function Flow Editor

Install iW Function Flow Editor from the installation disc.

## IMPORTANT

- If you are using Windows and .NET Framework 4.5 is not installed in advance, iW Function Flow Editor cannot be installed.
- If the installer is executed on a computer that has an older version of iW Function Flow Editor installed, iW Function Flow Editor will be upgraded.
- Do not execute the installer of an older version of iW Function Flow Editor on a computer with this version of iW Function Flow Editor installed.

## NOTE

- You can perform a network installation by executing the installation from another computer on the network. However, the installation cannot be executed if the path to the installation program (setup.exe) is longer than 255 characters.

## 1.

Log on to Windows as an Administrator.

## 2.

Close all the applications that are running.

## 3.

Insert the installation disc for this product into the drive.

## 4.

Execute the installer on the installation disc.

### If you install on 32-bit operating system:

- Double-click \x86\setup.exe in the installation disc.

### If you install on 64-bit operating system:

- Double-click \x64\setup.exe in the installation disc.

## 5.

Select display language from the installer → click [OK].

### NOTE

- The display language selected here is applied to the installer. (The selected language is displayed when you start iW Function Flow Editor for the first time but the display language can be changed from [Language Switch] in the [View] menu.)

## 6.

According to the displayed wizard, proceed to the corresponding step.

### If the setup wizard of the .NET Framework is displayed:

- Perform the operation from step 7.

### If the setup wizard of the .NET Framework Language Pack is displayed:

- Perform the operation from step 9.

### If the setup wizard of iW Function Flow Editor is displayed:

- Perform the operation from step 11.

## 7.

Confirm the terms of the license agreement → select [I have read and ACCEPT the terms of the License Agreement] → click [Install].

To cancel installing the .NET Framework, click [Cancel].

### IMPORTANT

- If you fail or cancel the .NET Framework installation, the confirmation message is displayed. However, [Yes] or [No], whichever you click, the installer will finish. If you fail the installation, see "Troubleshooting," on p. 5-2.
- If you cancel the .NET Framework installation, iW Function Flow Editor installation is also canceled.

## 8.

Click [Exit].

The setup wizard of the .NET Framework Language Pack is displayed.

## 9.

Confirm the terms of the license agreement → select [I have read and ACCEPT the terms of the License Agreement] → click [Install].

To cancel installing the .NET Framework Language Pack, click [Cancel].

### IMPORTANT

- If the Language Pack for the display language that can be used by iW Function Flow Editor is not installed in the environment you are using, the installer for the Language Packs start in sequence. Install the Language Pack, as necessary. (Some of the messages in iW Function Flow Editor are displayed in English, even if other languages are selected for the display language.)

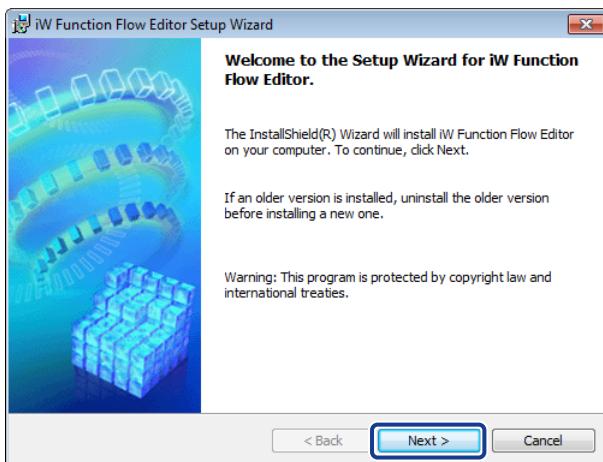
## 10.

Click [Exit].

The setup wizard of iW Function Flow Editor is displayed.

## 11.

Click [Next].



## 12.

Confirm the terms of the license agreement for iW Function Flow Editor → select [I accept the terms in the license agreement] → click [Next].

## 13.

Specify the installation location.

**If you do not want to change the installation location:**

- Click [Next].

**If you want to change the installation location:**

- Click [Browse].
- Select the installation folder from the [Browse] drop-down list → click [OK].

### NOTE

- If you enter the folder name to install to in [Folder], enter the full folder path. You can enter a maximum of 100 characters in [Folder].

- Click [Next].

## 14.

Click [Start].

Installation starts.

### NOTE

- If any software manufactured by Canon has been installed in the computer, or if they were installed once but uninstalled before, the message indicating that Software Protect System Core Service is using the files to be updated may be displayed. If you select [Automatically close and attempt to restart applications.], the files are updated and then Software Protect System Core Service is restarted. If you select [Do not close applications. (A reboot will be required.)], you need to restart the computer after installing iW Function Flow Editor.

## 15.

Click [Exit].

Installation is complete.

### NOTE

- When the installation is complete, iW Function Flow Editor is registered in the Windows [Start] - [All Programs] (for Windows 8.1, the [Start] screen) menu. A shortcut to iW Function Flow Editor is also created on the desktop.

### IMPORTANT

- When you install iW Function Flow Editor, .NET Framework 4.5 is also installed. However, if you installed iW Function Flow Editor using the Program Compatibility Assistant, .NET Framework 4.5 may not be installed. If .NET Framework 4.5 is not installed, a .NET Framework initialization error may occur when iW Function Flow Editor is started. In this case, manually install .NET Framework 4.5.

# License Registration

To use iW Function Flow Editor, the license must be activated after iW Function Flow Editor is installed.

## Software License

There are two types of licenses:

### Full license

You can use iW Function Flow Editor without any restrictions.

#### NOTE

- You need to activate the license only the first time you use this software.

### Trial license

You can use iW Function Flow Editor without restrictions, as in the full license, for up to 45 days.

Every time you start iW Function Flow Editor, a dialog box opens to activate the license and displays the number of days you have left to use the software.

#### NOTE

- iW Function Flow Editor cannot be started after the trial period expires.
- Activating the full license at any time during or after the trial period enables you to use the software continuously.

## Activating the License

For more information about license activation, see the Software License Registration Guide (PDF), included on the installation disc.

# Using the Settings of an Older Version to this Version

The following describes the procedure for migrating the settings of an older version, which is on an another computer, to this version.

## NOTE

- When upgrading from an older version of iW Function Flow Editor, the following procedure is not required because the settings for the older version are automatically carried over. Perform the following procedure if you want to use the settings of an older version from another computer, when installing this version of iW Function Flow Editor.

## Using the Backup/Restore Function (Recommended)

### 1.

Perform an upgrade installation of this version of iW Function Flow Editor to the older version installed on another computer.

For installation instructions, see "Installing iW Function Flow Editor," on p. 2-2.

The settings of the older version is migrated to this version.

### 2.

**Back up the information settings.**

For more information, see "Backing up the Setting Information," on p. 3-99.

## IMPORTANT

- After backing up the settings, if you use the same license on the computer to which the settings have been migrated to, you need to return and forward the license. For information on returning/forwarding the license, see the Software License Registration Guide (PDF). Take care when doing so, because iW Function Flow Editor cannot be used after returning/forwarding the license. (However, it may be able to be used for several days if the trial period of the license is still valid.)

### 3.

**Install this version of iW Function Flow Editor on the destination computer.**

For more information, see "Installing iW Function Flow Editor," on p. 2-2.

## 4.

Start iW Function Flow Editor on the destination computer.

For more information, see "Starting iW Function Flow Editor," on p. 3-3.

## 5.

Restore the settings data from the backup file created in step 2.

For more information, see "Restoring the Setting Information," on p. 3-100.

# Using the Back Up Data in the Permanent Folder

This section describes the procedure for using the user data (in the Permanent folder), backed up from an older version of iW Function Flow Editor, in this version of iW Function Flow Editor.

### IMPORTANT

- The user defined display size of each list or the Detailed Information area on the Basic Features screen is not saved in the user data (in the Permanent folder).

## 1.

Install this version of iW Function Flow Editor.

For more information, see "Installing iW Function Flow Editor," on p. 2-2.

## 2.

Create a folder to store the user data.

<system drive>:\Users\<user name>\AppData\Roaming\Canon\iWWFEditor24

### IMPORTANT

- If a folder to store user data is already created, delete all of the files and subfolders in the folder.

### NOTE

- <system drive> is the drive name of the operating system that iW Function Flow Editor is installed on.
- <user name> is the login user name to use iW Function Flow Editor.
- If the \AppData folder is not displayed under the <user name> folder, the folder options of Windows needs to be changed.

## 3.

Copy the backup data of the older version (in the Permanent folder) to the folder for storing user data created in step 2.

# Using iW Function Flow Editor

This chapter describes the procedures for using iW Function Flow Editor, including starting the program, registering target devices, and creating flows.

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## 3.Using iW Function Flow Editor

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# Starting iW Function Flow Editor

The procedure for starting iW Function Flow Editor is as follows.

## IMPORTANT

- If the screen resolution setting is changed when starting iW Function Flow Editor, it will not affect the display of iW Function Flow Editor (the setting cannot be reflected even if [Initialize Display] is executed from the [View] menu). Change the screen resolution setting before starting iW Function Flow Editor.
- An error message is displayed if you switch users and start iW Function Flow Editor using the fast user switching function of Windows while another user is already running the program.

## 1.

From the Windows task bar, click the [Start] menu → [All Programs] → [Canon iW] → [iW Function Flow Editor].

The iW Function Flow Editor Basic Features screen is displayed.

## IMPORTANT

- If registration of the product license is not completed on your computer, the license registration screen is displayed. For more information, see "License Registration," on p. 2-6.

## NOTE

- For information on the Basic Features screen, see "Basic Features Screen," on p. 3-5.
- You can also start iW Function Flow Editor by double-clicking the shortcut icon on the desktop.



# Closing iW Function Flow Editor

---

The procedure for closing iW Function Flow Editor is as follows.

## 1.

Select [Exit] from the [File] menu, or click  (Close) in the top right corner of the Basic Features screen.

iW Function Flow Editor is closed.

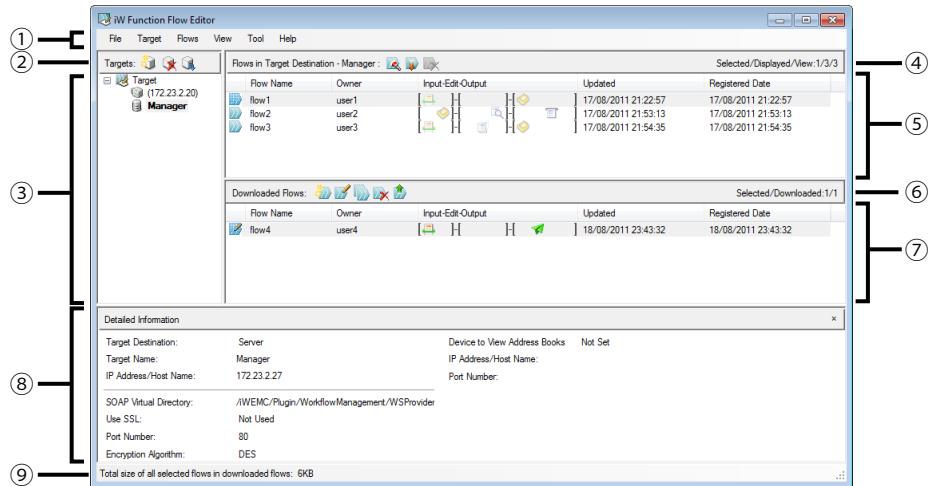
### IMPORTANT

- iW Function Flow Editor cannot be closed while flows are being created/edited.
- The flows currently being listed on [Downloaded Flows] are deleted when iW Function Flow Editor is closed. To save the changes made to flows, upload them to the target or export them as a file. For information on uploading flows, see “Uploading Flows to a Device,” on p. 3-84. For information on exporting flows, see “Exporting Flows to a File,” on p. 3-93.

# Operations on Basic Features Screen

## Basic Features Screen

When you start iW Function Flow Editor, the Basic Features screen is displayed. You can register targets, or upload/download flows from the Basic Features screen.



### 1. Menu Bar

Displays the main menu of iW Function Flow Editor.

If you are not sure about something while operating iW Function Flow Editor, select [Help] from the [Help] menu. You can search for the desired help topic from the contents and keywords of help. You can also register bookmarks to specific help topics.

### 2. [Targets] list toolbar

Displays the tools to operate and manage targets on the [Targets] list.

 ([Add Target]): Click to add a target.

 ([Delete Target]): Click to delete a target.

 ([View Flows]): Click to view the flows registered in a target.

### 3. [Targets] List

Displays the targets registered in iW Function Flow Editor.

The following icons indicate the target type on the [Targets] list. If [Target Name] is registered, the target name is displayed on the right of the icon. If [Target Name] is not registered, the IP address or host name is displayed on the right of the icon.

Also, if there is a flow that is not registered in a target, the target is displayed in bold.

-  : Device (Address book not retrieved. Encryption algorithm not set.)
-  : Device (Address book not retrieved. Encryption algorithm set.)
-  : Device (Address book retrieved. Encryption algorithm not set.)
-  : Device (Address book retrieved. Encryption algorithm set.)

### 4. [Flows in Target Destination] List Toolbar

Displays the tools for operating and managing the [Flows in Target Destination] list. The information of the target selected on the [Targets] list is also displayed. If [Target Name] is registered, the target name is displayed. If [Target Name] is not registered, the IP address or host name is displayed.

-  ([Filter]): Click to filter the flows on the [Flows in Target Destination] list, according to specified conditions.
-  ([Download]): Click to download the selected flow from the target. You can download multiple flows simultaneously.
-  ([Delete Flows from This Target]): Click to delete the selected flow. You can delete multiple flows simultaneously.

The number of flows is displayed at the rightmost of the [Flows in Target Destination] list toolbar:

- [Selected/Displayed/View]: Displays each number for the following:
  - Selected flows
  - Displayed flows
  - All the flows viewed from the selected target

## 5. [Flows in Target Destination] List

Displays the flows registered on the target selected on the [Targets] list.

Information, such as the name and owner of a flow, is displayed on the list. The device functions set for the flows are also displayed as icons.

Data Item	Explanation
[Flow Name]	Displays the name of the flow, and an icon indicating the status of the flow.  : Flow that has not been downloaded  : Flow that has been downloaded
[Owner]	Displays the owner of the flow as follows: Domain Name\User Name
[Input-Edit-Output]	Displays icons indicating the device functions set for each process (input/edit/output) of the flow. Device functions that are not set are left blank. The device function for each process is indicated by the following icons: Input:  ([Scan])/  ([User Inbox Document]) Edit:  ([Merge Documents])/  ([Page Erase])/  ([View Page]) Output:  ([Store In User Inbox])/  ([Send])/  ([Print])/  ([MEAP Connector])
[Updated]	Displays the date and time the flow was last updated.
[Registered Date]	Displays the date and time the flow was created.

### NOTE

- You must view flows registered in a target to display them on the [Flows in Target Destination] list. For information on viewing flows, see "Viewing Flows in a Device," on p. 3-30.
- Click a column heading to sort the list of flows in ascending or descending order, according to the data in the column.

## 6. [Downloaded Flows] List Toolbar

Displays the tools to operate and manage flows on the [Downloaded Flows] list.



([Create Flow]): Click to create a new flow. This icon is available only when a target is selected on the [Targets] list.



([Edit Flow]): Click to edit the selected flow.



([Duplicate]): Click to duplicate the selected flow. You can duplicate multiple flows simultaneously.



([Delete Flows]): Click to delete the selected flow. You can delete multiple flows simultaneously.



([Upload]): Click to upload the selected flow to the target. You can upload multiple flows simultaneously.

The number of flows is displayed at the rightmost of the [Downloaded Flows] list toolbar:

[Selected/Downloaded]: Displays the number for the following:

- Selected flows
- Downloaded flows

## 7. [Downloaded Flows] List

Displays the flows that are being created/edited for the target selected from the [Targets] list, and also flows downloaded from the target.

Information, such as the name and owner of a flow, is displayed on the list. The device functions set for the flows are also displayed as icons.

Data Item	Explanation
[Flow Name]	Displays the name of the flow, and an icon indicating the status of the flow.  : Flow that has not been edited  : Flow that has not been uploaded
[Owner]	Displays the owner of the flow as follows: Domain Name\User Name
[Input-Edit-Output]	Displays icons indicating the device functions set for each process (input/edit/output) of the flow. Device functions that are not set are left blank. The device function for each process is indicated by the following icons: Input:  ([Scan])/  ([User Inbox Document]) Edit:  ([Merge Documents])/  ([Page Erase])/  ([View Page]) Output:  ([Store In User Inbox])/  ([Send])/  ([Print])/  ([MEAP Connector])
[Updated]	Displays the date and time the flow was last updated.
[Registered Date]	Displays the date and time the flow was created.

## 8. Detailed Information

Displays detailed information about the selected target or flow.

The displayed information is as follows.

### When a target is selected:

- [Target Destination]
- [Target Name]
- [IP Address/Host Name]
- [Port Number]
- [Encryption Algorithm]

### When a flow is selected:

- [Flow Name]
- [Flow ID]
- [Comments]
- [Owner] ([User Name]/[Domain])
- [Destination Range] ([Shared] or [Personal])
- [Temporary Box]
- [Display Confirmation upon Start] ([On]/[Off])
- [Device Functions] ([Input]/[Edit]/[Output])
- [Registered Date]
- [Updated]

#### IMPORTANT

- If multiple flows are selected, the detailed information of only the last selected flow is displayed. If multiple flows are selected by clicking [Select All] from the [Flows] menu, the detailed information of the flow that has been displayed before [Select All] is clicked is displayed continuously.

#### NOTE

- You can display/hide the detailed information by selecting [Detailed Information] from the [View] menu. For more information, see "Displaying/Hiding Detailed Information," on p. 3-13.

## 9. Status Bar

The total size of the selected flows is displayed.

## Changing the Size of the Various Regions of the Basic Features Screen

You can change the size of the various lists and the detailed information area of the Basic Features screen, as necessary.

**1.**

Place the cursor over an outer boundary of the list or area you want to resize.

The cursor changes to  or .

**2.**

Drag the boundary to the desired location.

The selected list or area is resized.

## Initializing the Display of the Basic Features Screen

To restore resized areas and the display order of lists to their default settings, initialize the display of the Basic Features screen.

**1.**

Select [Initialize Display] from the [View] menu.

The display of the Basic Features screen is initialized.

## Displaying/Hiding Detailed Information

You can display/hide the detailed information about a target or flow.

**1.**

Select [Detailed Information] from the [View] menu.

The detailed information is displayed when the [Detailed Information] check box is selected, and hidden when the check box is cleared.

## Displaying Confirmation Messages

When specifying [Send] settings in [Output] while creating/editing a flow, a dialog box confirming the destination is displayed when you add a new address in the [New Address] or [Select Addresses] dialog box and click [OK]. You can select [Do Not Show This Message Again] in this dialog box to hide the message. To display the message again, perform the following procedure.

**1.**

**Select [Display Confirmation Message] from the [View] menu.**

The confirmation message is set to be displayed again.

# Display Tips on How to Enter Environment Variables

You can display/hide tips on how to enter environment variables.

## NOTE

- For more information on environment variables, see "Using Environment Variables," on p. 3-69.

## 1.

**Select [Display tips on how to enter environment variables.] from the [View] menu.**

Tips are displayed when the [Display tips on how to enter environment variables.] check box is selected, and hidden when the check box is cleared.

# Switching the Display Language

You can switch the display language of iW Function Flow Editor.

**1.**

Select [Language Switch] from the [View] menu.

The available display languages are displayed in the sub menu.

**2.**

Select the desired display language.

**3.**

Close and restart iW Function Flow Editor.

## IMPORTANT

- It is necessary to restart iW Function Flow Editor after changing the display language settings.

## NOTE

- Information for settings of display language is managed for each user. Even if the same computer is shared by multiple users, the information for settings of display language is registered for each user that logs on.

# Selecting All Flows in a List

You can select all flows on the list.

## 1.

Click the [Flows in Target Destination] list or [Downloaded Flows] list.

## 2.

Select [Select All] from the [Flows] menu.

All flows on the list are selected.

### IMPORTANT

- You cannot select all flows displayed on a list while the [Create] or [Edit] dialog box of a flow is displayed.

### NOTE

- To deselect flows individually, click the flows while holding down the Ctrl key.

## Displaying Version Information

You can display the version information for iW Function Flow Editor.

**1.**

Select [About] from the [Help] menu.

The [About] dialog box is displayed.

**2.**

Confirm the version information → click [OK].

# Flow of Operations

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The procedure for creating/editing flows and uploading them to a device using iW Function Flow Editor is as follows.

1	<b>Register Targets</b>	Register devices as the target for a flow. » Registering a Device (p. 3-20) If you are using a device with the MEAP Connector installed, it is also necessary to register the MEAP Connector. » Registering the MEAP Connector (p. 3-25)
2	<b>View the Flows in a Target</b>	View the flows stored in the registered targets. You can filter the displayed flows according to specified conditions. » Viewing Flows in a Device (p. 3-30)
3	<b>Download/Import Flows</b>	Download flows from targets to iW Function Flow Editor. You can also import flows exported from a target or another computer with iW Function Flow Editor installed. » Downloading Flows from a Target (p. 3-34) » Importing Flows from a File (p. 3-36)
4	<b>Create/Edit Flows</b>	Create new flows for the selected target, or edit flows downloaded/imported from a target. » Creating a Flow (p. 3-38) » Editing a Flow (p. 3-77)
5	<b>Upload/Export Flows</b>	Upload created/edited flows to a target. You can also export flows to a target or another computer with iW Function Flow Editor installed. » Uploading Flows to a Device (p. 3-84) » Uploading Flows to Multiple Targets (p. 3-88) » Exporting Flows to a File (p. 3-93)

# Registering a Target

## Registering a Device

Register a device to execute flows as a target. Register a device using the IP address (IPv4 or IPv6) or host name.

### IMPORTANT

- Register devices that support iW Function Flow Editor. If you register devices that do not support iW Function Flow Editor, you cannot view/upload/download flows. For information on supported devices, see “Supported Devices,” on p. 1-11.
- You cannot register targets while the [Create] or [Edit] dialog box is displayed.

### NOTE

- You can register up to 30 devices as targets.
- Information for registered devices is managed for each user. Even if the same computer is shared by multiple users, the information for target devices is registered for each user that logs on.

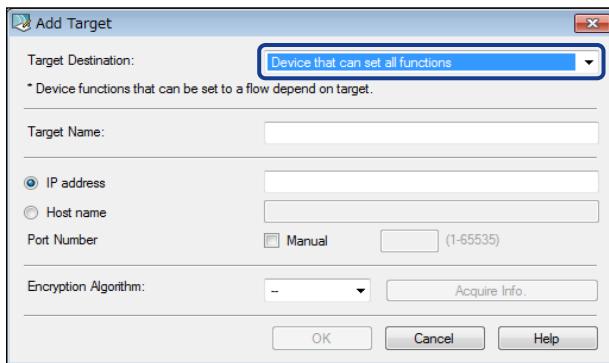
## 1.

Select [Add Target] from the [Target] menu, or click  (Add Target) on the [Targets] list toolbar.

The [Add Target] dialog box is displayed.

## 2.

Set [Target Destination] according to your device.



**For devices other than the imageRUNNER ADVANCE C2030i/C2030L/C2025i/C2020i/C2020L:**

- Select [Device that can set all functions] from the [Target Destination] drop-down list.

**For the imageRUNNER ADVANCE C2030i/C2030L/C2025i/C2020i/C2020L:**

- Select [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] from the [Target Destination] drop-down list.

### IMPORTANT

- If you select [Device that can set all functions] when registering an imageRUNNER ADVANCE C2030i/C2030L/C2025i/C2020i/C2020L device, you may accidentally create/edit a flow that includes functions that cannot be executed on the imageRUNNER ADVANCE C2030i/C2030L/C2025i/C2020i/C2020L. Make sure to select [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] when registering an imageRUNNER ADVANCE C2030i/C2030L/C2025i/C2020i/C2020L device as the target.
- Depending on your model, a flow may not operate correctly on the device it is uploaded to, even if selecting [Device that can set all functions].

## 3.

Enter a name for the target in [Target Name], as necessary.

### NOTE

- You can enter up to 128 characters for [Target Name].
- You can set a name for the target to register. It is useful to set a name such as "OA corner device" or "laboratory device" that indicates information such as the purpose or location of the target.

## 4.

Select [IP address] or [Host name] → enter the IP address (IPv4 or IPv6) or host name of the device you want to register.

### NOTE

- If you registered the target using a host name, the IPv4 address is given priority.
- If you registered the target using an IP address, only the IP address you entered is used.

## 5.

If the port number has been changed on the device, select [Manual] for [Port Number] → enter the port number.

### NOTE

- If [Manual] is not selected, the port number is set to '80'. If the PS printer server is attached, the number of the port is automatically changed to '18080'.

## 6.

Click [Acquire Info.] to retrieve the encryption algorithm information supported by the device → select an encryption method from [Encryption Algorithm].

## 7.

Click [OK].

The device is registered as a target, and displayed on the [Targets] list.

### IMPORTANT

- If you try to register a device that has the same IP address or host name as an existing target, an error message is displayed.

# Retrieving Address Books

You can retrieve device configuration information from a target. Only address books are retrieved as the device configuration information. The retrieved address books can be used to specify destinations in [Send] when creating/editing a flow.

## IMPORTANT

- To retrieve address books, [Address Book] in [Restrict Receiving for Each Function] in [Device Information Delivery Settings] in [System Settings] from the [Additional Functions] screen of the device must be set to [Off]. After the retrieval of the address books is completed, set this setting to [On] again, as necessary.
- You cannot retrieve address books in the following cases:
  - If the power of the target device is turned OFF
  - If communications cannot be performed correctly between the target and iW Function Flow Editor
  - If the device is not set to enable the use of the Device Information Delivery Settings function for [iW Function Flow] and [Address Book]
  - If a time-out occurred while communicating with the target
  - If settings are being specified on the [Settings/Registration] screen of devices other than imageRUNNER ADVANCE devices
  - If the Address Book is being displayed on devices other than imageRUNNER ADVANCE devices
  - If the device is communicating with another iW Function Flow Editor or other devices
  - If the target is not authenticated correctly
- You can also view address books in a device not running iW Function Flow.
- When you retrieve address books, a dialog box prompting you to enter the authentication ID and password may be displayed. For information on entering the authentication ID and password, see "Viewing Flows in a Device," on p. 3-30. Once authentication has been performed successfully, the dialog box for authentication is not displayed for subsequent communication.
- You cannot retrieve address books while the [Create] or [Edit] dialog box is displayed.

## NOTE

- If the address book information has been updated after retrieving address books, the updated information is not reflected on the retrieved list. To display the latest information on the list, retrieve the address books from the target again.

## 1.

Select the target from which you want to retrieve the address books from the [Targets] list.

## 2.

Select [Retrieve Device Configuration Information] → [Address Books] from the [Target] menu.

The address books are retrieved.

# Registering the MEAP Connector

To create a flow that uses a MEAP Connector, you must first import a MEAP Connector definition file, and associate it with the device in which the MEAP Connector is installed and started.

## IMPORTANT

- Even if you specify [MEAP Connector] for the [Output] process, you cannot create an executable flow unless you register the MEAP Connector (import a MEAP Connector definition file and associate it with a target) in iW Function Flow Editor.
- When importing a MEAP Connector definition file to iW Function Flow Editor, the language resource files must be in the same folder as the definition file. The English language resource file ('\_en.properties') is always required. You can import multiple language resource files.
- MEAP Connectors can only be used with the devices supported by MEAP Connector such as imageRUNNER ADVANCE. For more information on the supported devices, see the manuals for each MEAP Connector.
- Use the MEAP Connector definition files and language resource files provided by the dealer. If you create or edit them according to the instruction manuals included with Connector SDK, upload them to MEAP Connector to confirm that no error occurs, and then download them to use in iW Function Flow Editor. The definition files and language resource files that are not checked by MEAP Connector are not supported. For more information, see the instruction manuals included with Connector SDK.
- If the version of the MEAP Connector definition file used when creating a flow is different from the one used when editing the flow, [MEAP Connector] is deleted from [Output] process of the flow. (Select the flow in the Basic Features screen to display the version of the definition file in [Detailed Information].) Make sure to back-up the MEAP Connector definition file when you edit it.
- The MEAP Connector definition files cannot be imported while the [Create] or [Edit] dialog box is displayed.

## NOTE

- The fixed values required for connecting to the external system and the settings for the wizard for entering the required items that are displayed on the touch panel display of the device, are set in [MEAP Connector] for the [Output] process. For more information, see "MEAP Connector," on p. 3-66.

## 1.

Select [MEAP Connector Settings Management] from the [Tool] menu.

The [MEAP Connector Settings Management] dialog box is displayed.

### NOTE

- Information for the imported MEAP Connector definition file is managed for each user. Even if the same computer is shared by multiple users, the information for MEAP Connector definition file is registered for each user that logs on.
- You can register up to 30 MEAP Connector definition files per user. When you are already managing 30 MEAP Connector definition files, you cannot import any new MEAP Connector definition files.
- When the MEAP Connector definition file for the MEAP Connector existing in iW Function Flow Editor has the same MEAP Connector name as the file you are going to import, the registered MEAP Connector definition file is deleted when importing the new one.

## 2.

Click [Import].

A file selection dialog box is displayed.

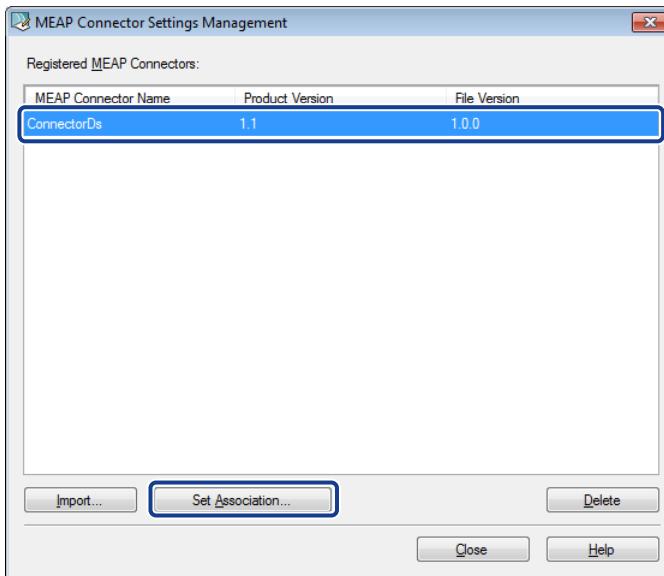
## 3.

Follow the instructions in the file selection dialog box to select the MEAP Connector definition file (.xml).

The MEAP Connector definition file (.xml) and the language resource file (.properties) attached to it are imported, and the MEAP Connector name is displayed on the [Registered MEAP Connectors] list.

## 4.

Select the MEAP Connector → click [Set Association].



The [Associate MEAP Connector and Target] dialog box is displayed.

## 5.

Confirm that the target to associate the MEAP Connector with is selected → click [OK].

The association of the MEAP Connector and the target is registered.

### IMPORTANT

- For the target, select a device in which MEAP Connector is installed. If you create a flow targeted for a device which is associated with the MEAP Connector, but the MEAP Connector is not installed on it, you will be unable to execute that flow.

## 6.

Click [Close].

# Changing Target Information

If the IP address or host name of a device is changed, make sure to change the registered device information.

## IMPORTANT

- If you change the registered information of a device, the following information is deleted from iW Function Flow Editor. (However, the information is not deleted if you change [Target Name]/[Encryption Algorithm].)
  - The list of flows viewed from the target
  - Flows being created/edited for the target
  - Flow settings for the target registered on the Favorites list
  - Retrieved device configuration information (address books)
- You cannot change the registered information while the [Create] or [Edit] dialog box of a flow is displayed.

## 1.

Select the device whose information you want to change from the [Targets] list.

## 2.

Select [Modify Target Information] from the [Target] menu.

A confirmation message informing you that the flows targeting the selected device will be deleted is displayed.

## 3.

Click [Yes].

The [Modify Target Information] dialog box is displayed.

## 4.

Change the settings in [Target Name], [IP address], [Host name], [Port Number], and [Encryption Algorithm], if necessary → click [OK].

## IMPORTANT

- If you try to change the IP address or host name of a device to the same IP address or host name as an existing target, an error message is displayed.

# Deleting a Target

You can delete the information of a device that is registered as a target.

## IMPORTANT

- If you delete target information, the following information is deleted from iW Function Flow Editor:
  - The list of flows viewed from the target
  - Flows being created/edited for the target
  - Flow settings registered on the Favorites list for the target
  - Retrieved device configuration information (address books)
  - Association information of the MEAP Connector and the target
- You cannot delete targets while the [Create] or [Edit] dialog box is displayed.

## 1.

Select the target to delete from the [Targets] list.

## 2.

Select [Delete Target] from the [Target] menu, or click  (Delete Target) on the [Targets] list toolbar.

A confirmation message is displayed.

## 3.

Click [Yes].

The selected device is deleted from the [Targets] list.

# Viewing Flows in a Target

## Viewing Flows in a Device

This section describes how to view the flows stored in a device.

### IMPORTANT

- You cannot view the flows that are stored in a device in the following cases:
  - If the power of the device is turned OFF
  - If communications cannot be performed between the device and iW Function Flow Editor
  - If the device is not set to enable the use of the Device Information Delivery Settings function for [iW Function Flow]
  - If iW Function Flow is not started on the device
  - If a time-out occurred while communicating with the device
  - If settings are being specified on the [Settings/Registration] screen of devices other than imageRUNNER ADVANCE devices
  - If the Address Book is being displayed on devices other than imageRUNNER ADVANCE devices
  - If the device is communicating with another iW Function Flow Editor or other devices
  - If the device is not authenticated correctly
- You cannot view the flows stored in targets while the [Create] or [Edit] dialog box is displayed.

### NOTE

- If flows are created/updated after viewing them in the target, the latest information is not displayed on the [Flows in Target Destination] list. To display the latest information on the list, view the flows in the target again.

## 1.

Select a device from the [Targets] list.

## 2.

Select [View Flows] from the [Target] menu, or click  (View Flows) on the [Targets] list toolbar.

A dialog box for authentication is displayed.

## 3.

Enter the following authentication information.

**Target device [Device Information Delivery Settings] - [Use MEAP Authentication When Receiving] : Set to [On]**

	[User Name]	[Password]	[Login Destination]	[Domain Name]
If the user authentication method of the target device includes server authentication	User with administrator privileges	Password of the user specified in [User Name]	This device or domain	The domain that the user entered in [User Name] belongs to*
If the user authentication method of the target device is local device authentication only			-	-

\*Can only be entered if a domain is selected for [Login Destination].

**Target device [Device Information Delivery Settings] - [Use MEAP Authentication When Receiving] : Set to [Off]**

	[User Name]	[Password]
If the System Manager ID is set	System Manager ID	System Password
If the System Manager ID is not set	Do not enter anything	Do not enter anything

For information on a System Manager ID and a System Password, see the instruction manuals for the device.

### IMPORTANT

- Once authentication has been performed successfully, the dialog box for authentication is not displayed for subsequent communication.

## 4.

Click [OK].

The flows in the target are displayed on the [Flows in Target Destination] list.

# Filtering Flows

You can filter the flows viewed in a target according to the following conditions:

- Flow Name
- Comments
- Device Functions
- Owner
- Destination range

## IMPORTANT

- Filtering can be performed for the flows displayed on the [Flows in Target Destination] list. For information on viewing the flows in a target, see "Viewing Flows in a Device," on p. 3-30.
- Further filtering cannot be performed once the list of flows is filtered.
- You cannot filter the flows while the [Create] or [Edit] dialog box is displayed.

## 1.

Select a target from the [Targets] list.

## 2.

Select [Filter] from the [Flows] menu, or click  (Filter) on the [Flows in Target Destination] list toolbar.

The [Filter] dialog box is displayed.

## 3.

Select [Specify criteria to narrow down flows] → set the flow filtering conditions.

Filtering criteria specified in the [Filter] dialog box is as follows.

[Flow Name]:	Specify to filter the displayed flows by their flow name.
[Comments]:	Specify to filter the displayed flows by their comments.
[Owner]:	Specify to filter the displayed flows by their owner.
[Domain]:	Specify to filter the displayed flows by the domain name to which their owner belongs.
[User name]:	Specify to filter the displayed flows by the user name of their owner.
[Destination range]:	Select to filter the displayed flows by their [Destination range].
[Shared]:	Select to display the flows for [Shared].
[Personal]:	Select to display the flows for [Personal].

[Device Functions]: Select to filter the displayed flows by their device functions specified for each process.

[Input]: Select to display the flows which have the [Scan]/[User inbox document] mode specified.

[Edit]: Select to display the flows which have the [Merge documents]/[Page erase]/[View page] mode specified.

[Output]: Select to display the flows which have the [Store in user inbox]/[Send]/[Print]/[MEAP Connector] mode specified.

#### To filter the flows according to the flow name or comments:

- Enter a flow name in [Flow Name] or any comments in [Comments].

#### To filter the flows according to owner:

- Enter a domain in [Domain] or a user name in [User name].

#### To filter the flows according to destination range:

- Select [Destination range] → select [Shared] or [Personal].

#### To filter the flows according to device functions:

- Select the device functions to set as filtering conditions.

#### NOTE

- To cancel filtering the flows, select [Cancel filter].

## 4.

#### Click [OK].

The flows are filtered according to the selected conditions.

#### NOTE

- The flows displayed in the [Flows in Target Destination] list remain filtered until you select [Cancel filter].
- To cancel filtering the flows, click [Cancel].

# Downloading Flows from a Target

You can download flows that are registered in a target to iW Function Flow Editor.

Downloaded flows can be edited for the target from which the flows are downloaded, or used as the basis to create another flow.

## IMPORTANT

- The maximum number of flows that you can temporarily save in iW Function Flow Editor for one target is 1,200. If you try to download other flows from the target when iW Function Flow Editor already contains the maximum number of flows for a target, an error message is displayed. In this case, delete any unnecessary flows, and download the flows again.
- Flows can only be downloaded after they have been viewed. For information on viewing flows in a target, see "Viewing Flows in a Device," on p. 3-30.
- You cannot download flows from a target in the following cases:
  - If the power of the target is turned OFF
  - If communications cannot be performed between the target and iW Function Flow Editor
  - If the device is not set to enable the use of the Device Information Delivery Settings function for [iW Function Flow]
  - If iW Function Flow is not started on the device
  - If a time-out occurred while communicating with the target
  - If settings are being specified on the [Settings/Registration] screen of devices other than imageRUNNER ADVANCE devices
  - If the device is communicating with another iW Function Flow Editor or other devices
  - If the target is not authenticated correctly
- It may take approximately one hour to download multiple flows in the following cases:
  - If a large number of flows are downloaded
  - If a large number of flows are stored on the target device
- The operations of iW Function Flow cannot be used while downloading flows from the device.
- You cannot download flows from targets while the [Create] or [Edit] dialog box is displayed.

## 1.

Select the target where the flows that you want to download are stored from the [Targets] list.

## 2.

Select the flows to download from the [Flows in Target Destination] list.

## NOTE

- You can download multiple flows simultaneously.

### 3.

Select [Download] from the [Flows] menu, or click  (Download) on the [Flows in Target Destination] list toolbar.

The selected flows are downloaded to your computer, and displayed on the [Downloaded Flows] list.

#### NOTE

- You can also download flows by dragging and dropping them from the [Flows in Target Destination] list to the [Downloaded Flows] list.

# Importing Flows from a File

You can import flows that were exported from a target or another iW Function Flow Editor to a file.

## IMPORTANT

- The maximum number of flows that you can temporarily save in iW Function Flow Editor for one target is 1,200. If you try to import other flows onto the [Downloaded Flows] list for the target when iW Function Flow Editor already contains the maximum number of flows for a target, an error message is displayed. In this case, delete any unnecessary flows, and import the flows again.
- You cannot import flows while the [Create] or [Edit] dialog box is displayed.

## NOTE

- You can only import one file at a time.
- Please note the following information when you import flows to another target.
  - If [User Inbox Document] is selected for the [Input] process of the imported flow, select the inbox number and document name on the device to which the flow is executed.
  - Even if [Sender's Name (TTI)] is specified in [Send] for the [Output] process of the imported flow, documents will be sent using the value registered in [Unit Name] of the device automatically when the flow is executed.
- If you import a flow into another target, the flow may not be able to be used, due to differences in the functions and optional equipment configuration of the new device.  
Some examples of this are indicated below.
  - When printing:  
If you execute a flow with the finisher's Staple mode set on a device that does not have a finisher, the prints will be output without being stapled.
  - When sending:  
If you execute a flow on a device in which an address specified in the flow is not registered, the document will not be sent to that address.

## 1.

Select the target where the flow file is to be imported from the [Targets] list.

## 2.

Select [Import Flows] from the [Target] menu.

The file selection dialog box is displayed.

### 3.

#### Follow the instructions to specify the file to import flows.

The flows are imported, and displayed on the [Downloaded Flows] list.

##### IMPORTANT

- A flow is imported even if it is set with functions that cannot be executed on the target to import it to. In this case, an error message is displayed if you try to edit the flow in the target it is imported to. For more information, see "Editing a Flow," on p. 3-77.

##### NOTE

- If a flow with the same flow ID as an importing flow exists on the [Downloaded Flows] list, a dialog box is displayed to confirm whether you want to overwrite the existing flow. If you select [Yes] or [Overwrite All], the flow is imported and the existing flow is overwritten. If you select [No], the flow is imported and assigned another flow ID.
- If a flow with the same name as an importing flow exists on the [Downloaded Flows] list, the existing flow is not overwritten. The flow you are importing is added with the same name and a different flow ID.
- The imported flows are temporarily saved in the computer (iW Function Flow Editor), and not in the target.

# Creating a Flow

This section explains how to create flows for each target selected on the [Targets] list. You can create a flow by specifying device functions for three processes: [Input], [Edit], and [Output].

## IMPORTANT

- The maximum number of flows that you can temporarily save in iW Function Flow Editor for one target is 1200. If you try to create another flow for the target when iW Function Flow Editor already contains the maximum number of flows for a target, an error message is displayed. In this case, delete any unnecessary flows, and create a flow again.
- You cannot create/edit flows for a target while downloading them from the target.
- Depending on your model, a flow may not operate correctly on the device it is uploaded to.

## NOTE

- You can set multiple device functions for each process. For example, if you set both [Print] and [Send] for the [Output] process, the document is both printed and sent to a specified destination.
- You can create/edit up to 10 flows at a time.
- You can create/edit flows for a target while creating/editing flows for another target.
- If multiple [Create]/[Edit] dialog boxes are opened, they may not be displayed in a cascade, depending on the resolution. If you want to use them in a cascade display, it is recommended to use this software with 1280 x 1024 resolution.

## 1.

Select the target in which you want to create a flow from the [Targets] list.

## 2.

Select [Create] from the [Flows] menu, or click  (Create Flow) on the [Downloaded Flows] list toolbar.

The [Create] dialog box is displayed.

## 3.

Select [Basic Settings] → specify the flow name and owner information.

For more information, see “Basic Settings,” on p. 3-40.

## 4.

### Specify the device functions for [Input], [Edit], and [Output] process.

The device functions you can set differ according to the type of target.

For more information, see the setting screen of each device function.

#### [Input]

- » Scan (for Printing) (p. 3-44)
- » Scan (for Sending) (p. 3-46)
- » User Inbox Document (p. 3-48)

#### [Edit]

- » Merge Documents (p. 3-50)
- » Page Erase (p. 3-52)
- » View Page (p. 3-54)

#### [Output]

- » Store in User Inbox (p. 3-55)
- » Send (p. 3-57)
- » Print (p. 3-64)
- » MEAP Connector (p. 3-66)

## 5.

### Click [OK].

The flow is created, and added to the bottom of the [Downloaded Flows] list.

#### IMPORTANT

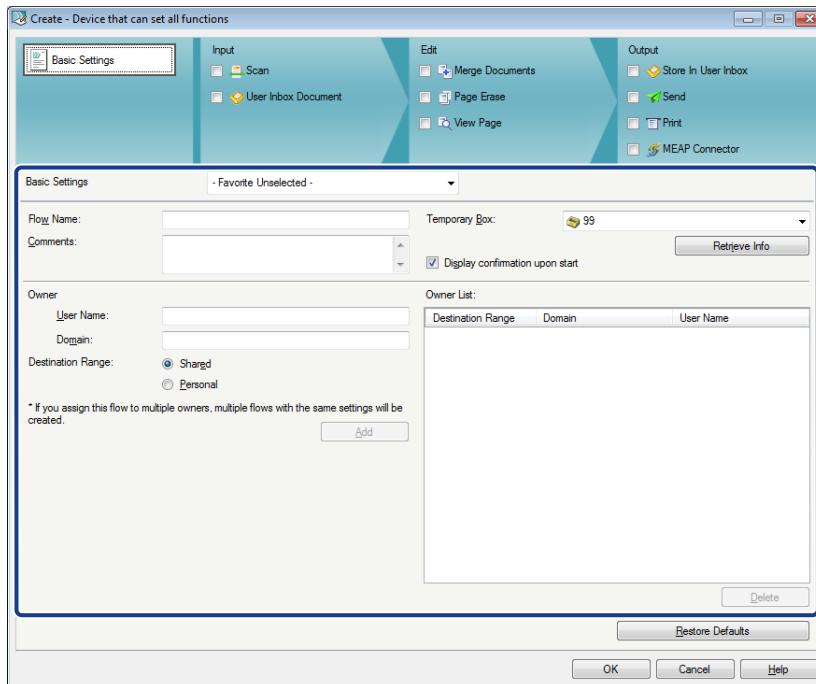
- The created flows are temporarily stored on the computer's hard disk, and are deleted when iW Function Flow Editor is closed. To save the created flows, upload them to the target or export them as a file.

# Basic Settings

Specify a flow name, owner information, and a destination range in [Basic Settings]. To create a new flow, flow name and owner information are required.

## 1.

Select [Basic Settings] in the [Create] or [Edit] dialog box.



The bottom of the screen switches to the settings for [Basic Settings]. (The display may vary slightly if [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] is selected in the [Target Destination] drop-down list.)

## 2.

Enter a flow name in [Flow Name] and any comments in [Comments].

[Flow Name]: Enter a name for the flow. You can enter a maximum of 30 characters.

[Comments]: Enter comments for the flow. You can enter a maximum of 76 characters.

The entered comments are displayed when [Large buttons]/[Large Button] or [List]/[List Display] is selected as the flow display settings on the device.

### NOTE

- Since only the first 26 characters of flow names can be displayed in iW Function Flow V1.1/V1.2, it is recommended that you enter flow names using 26 characters or less.

## 3.

Click [Retrieve Info] to retrieve the inbox information of the device → select a user inbox number in the [Temporary Box] drop-down list.

Select a User Inbox to store the document in temporarily when a flow is executed.

### NOTE

- Inbox 99 is selected for [Temporary Box] by default.
- The maximum number of pages that can be stored in [Temporary Box] may differ, depending on the device.
- You cannot select [Temporary Box] for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].
- If you set a device with a VGA touch panel display in which iW Function Flow V2.2.x is installed as a target, information cannot be retrieved, even if you click [Retrieve Info].

## 4.

Select [Display confirmation upon start].

A confirmation screen for the settings is displayed when the flow is executed.

## 5.

Enter user name in [User Name] and the domain name in [Domain].

The information to enter may differ depending on the login service set on the device that is set as a target.

### If user authentication (login service) is not used:

[User Name]: Enter '0000000'.

[Domain]: No information is required to be entered.

## If Default Authentication (Department ID Management) is set:

[User Name] : Enter the seven-digit Department ID registered in the device.  
For example, if the Department ID is '1', enter '0000001'.  
[Domain] : No information is required to be entered.

## If Local Device Authentication / SDL(Simple Device Login) authentication is used:

[User Name] : Enter a user name registered in the device.  
[Domain] : No information is required to be entered.

## If Domain Authentication is used:

[User Name] : Enter a user name registered in Active Directory.  
[Domain] : Enter the Active Directory domain name.

### IMPORTANT

- For [User Name] and [Domain] correctly enter the authentication information (case-sensitive) as it is registered in the device. For example, if 'User' is registered in a device for authentication, enter 'User', not 'user'. However, some devices may consider 'User' and 'user' to be the same depending on the user authentication function used.

## 6.

### Select [Shared] or [Personal] for [Destination Range].

Set the destination range for the flow.

[Shared] : All users can execute the flow on a device.  
(The flow is displayed on the touch panel display for all users after user authentication.)

[Personal] : Only the user set under [Owner] can execute the flow on a device.  
(The flow is displayed on the touch panel display for the user set under [Owner] after user authentication.)  
[Personal] flows are not displayed on the touch panel display of devices that are not using user authentication (login service), and these flows cannot be used.

## 7.

### Click [Add].

The owner information and destination range are displayed in the [Owner List].

## 8.

### Repeat steps 5 to 7, as necessary.

The owner is added to the [Owner List].

#### NOTE

- One flow is created for each owner. (For example, if you set three flow owners, three separate flows are created.) Also, if you register a flow with the same settings in both [Personal] and [Shared], two flows are created.
- The maximum of 1,200 flows can be stored in iW Function Flow Editor for one target. If adding a flow owner causes the maximum number of flows to be exceeded, the flows are automatically exported after the notification message is displayed.
- To delete a flow owner, select an owner from the [Owner List] → click [Delete].
- The settings can be registered as a template (a "Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing a flow, click [Cancel] to stop editing the flow.

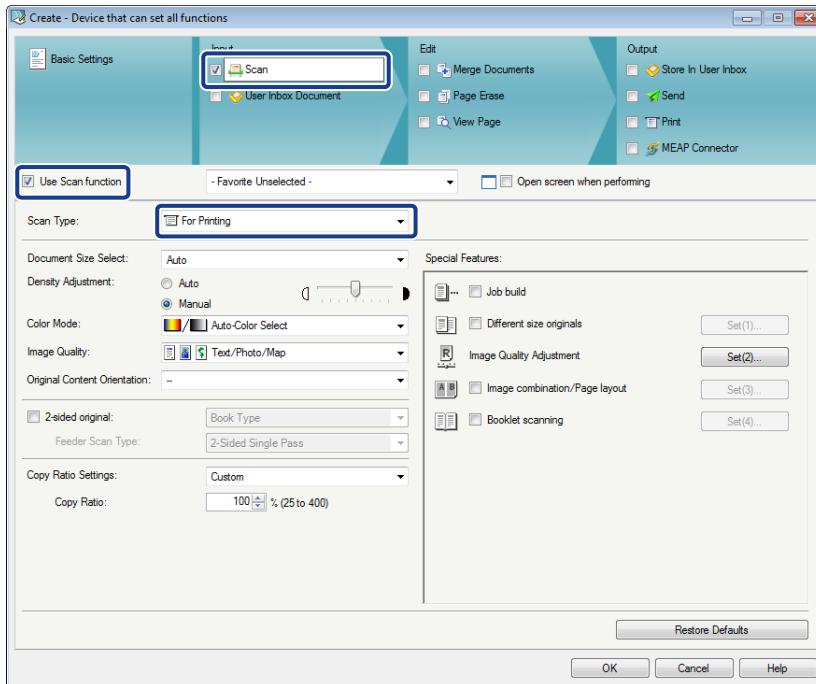
## Scan (for Printing)

### IMPORTANT

- You cannot set this function for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].

### 1.

Select [Scan] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

## 2.

Select [Use Scan function].

## 3.

Select [For Printing] from the [Scan Type] drop-down list.

## 4.

Specify the settings for [Document Size Select], [Density Adjustment], [Copy Ratio Settings], etc.

You can also specify settings unique to printing, such as image layout and booklet printing. For more information, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, according to the device you are using.)

### IMPORTANT

- The documents scanned by selecting [Scan] are stored in [Temporary Box] on the device, and then deleted after the flow is executed.
- The maximum number of pages that can be stored in [Temporary Box] may differ, depending on the device.
- [Temporary Box] can be selected in [Basic Settings].

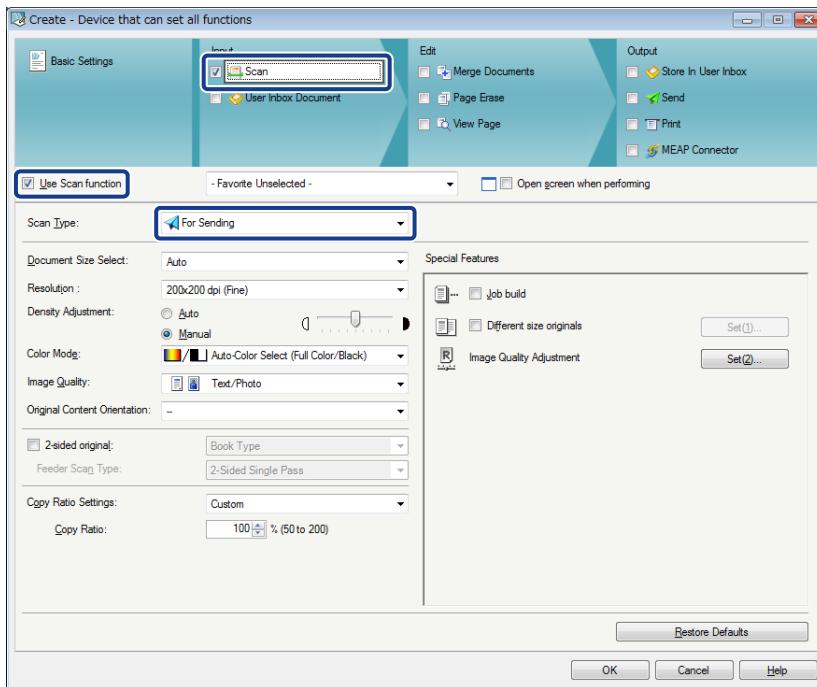
### NOTE

- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- The settings can be registered as a template (a "Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing a flow, click [Cancel] to stop editing the flow.

# Scan (for Sending)

## 1.

Select [Scan] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched. (The display may vary slightly if [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] is selected in the [Target Destination] drop-down list.)

## 2.

Select [Use Scan function].

## 3.

Select [For Sending] from the [Scan Type] drop-down list.

[For Sending] is selected by default for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].

## 4.

### Specify the settings for [Document Size Select], [Resolution], [Copy Ratio Settings], etc.

You can also specify settings unique to sending, such as the resolution. For more information, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, according to the device you are using.)

#### IMPORTANT

- The documents scanned by selecting [Scan] are stored in [Temporary Box] on the device, and then deleted after the flow is executed.
- The maximum number of pages that can be stored in [Temporary Box] may differ, depending on the device.
- [Temporary Box] can be selected in [Basic Settings].

#### NOTE

- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- The settings can be registered as a template ("a Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing a flow, click [Cancel] to stop editing the flow.

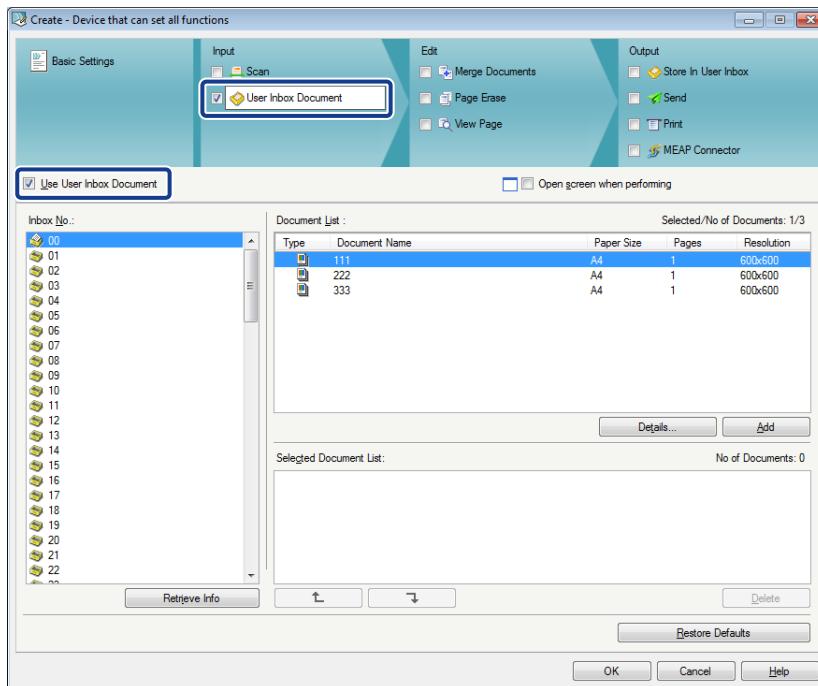
# User Inbox Document

## IMPORTANT

- You cannot set this function for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].
- You may not be able to use this function for flows you create/edit, even if you select [Device that can set all functions] as a target in [Target Destination] and set this function.

## 1.

Select [User Inbox Document] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

## 2.

Select [Use User Inbox Document].

### 3.

#### Click [Retrieve Info].

The following shows the display for the name of the inbox and document depending on the target.

Target	Inbox Name	[Document List]	[Selected Document List]
Device	Displayed *1	Displayed *1*2*3	Displayed *2*4

\*1 If the device is not connected to normally, this is not displayed.

\*2 Names of documents that do not exist in the inbox at the time the device was connected to are not displayed.

\*3 Names of documents are not displayed if an incorrect password is entered into a password protected inbox.

\*4 When a flow with a specified document name is edited, if the device cannot be connected to normally or if an incorrect password is entered, the name of the document is masked.

#### NOTE

- If you set a device with a VGA touch panel display in which iW Function Flow V2.2.x is installed as a target, information cannot be retrieved, even if you click [Retrieve Info].

### 4.

#### Select the inbox from the [Inbox No.] list.

### 5.

#### Select the document in [Document List] → click [Add].

### 6.

#### Change the order of documents in [Selected Document List], as necessary.

To change the documents' order, select the document and click or .

#### IMPORTANT

- Flows with [User Inbox Document] specified can be executed only on the target device set when creating the flow. Even if the same inbox number and document name exist on another device, it is necessary to select the inbox number and document name when executing the flow on a device other than the target one.
- When editing a flow with [Merge Documents] set in the [Edit] process and the order for merging documents specified, the order for merging the documents may change when [User Inbox Document] is selected/deselected.

#### NOTE

- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing a flow, click [Cancel] to stop editing the flow.

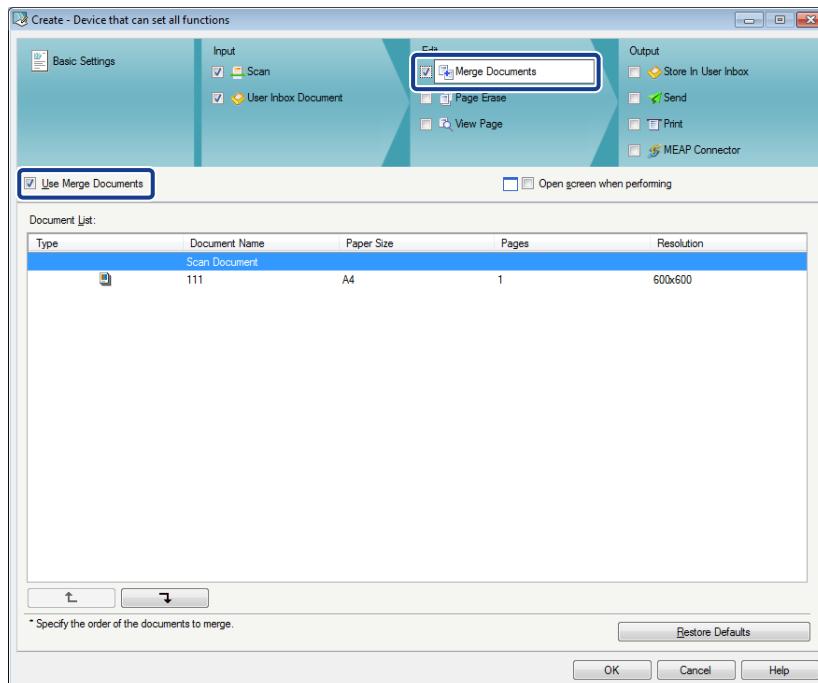
## Merge Documents

### IMPORTANT

- You cannot set this function for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].
- You may not be able to use this function for flows you create/edit, even if you select [Device that can set all functions] as a target in [Target Destination] and set this function.

### 1.

Select [Merge Documents] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

## 2.

### Select [Use Merge Documents].

Depending on the specified target and [Input] process, the document names are displayed as follows.

Target	[Input] process	[Document Name]
Device	[Scan]	[Scan Document]
	[User Inbox Document]	Displayed *1 *2

\*1 The names of documents that do not exist in the inbox when the device was connected to are not displayed.

\*2 When a flow with a specified document name is edited, if the device cannot be connected to normally or if an incorrect password is entered, the name of the document is masked. To connect to the device again, select [Merge Documents].

#### IMPORTANT

- If [Merge Documents] is selected, all the documents selected in [Scan] or [User Inbox Document] for the [Input] process are merged.

## 3.

### Change the order for merging the documents, as necessary.

To change the order for merging the documents, select the document and click  or .

#### IMPORTANT

- When editing a flow with the order for merging documents specified, the order for merging the documents may change when [User Inbox Document] is selected/deselected in the [Input] process.

#### NOTE

- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing a flow, click [Cancel] to stop editing the flow.

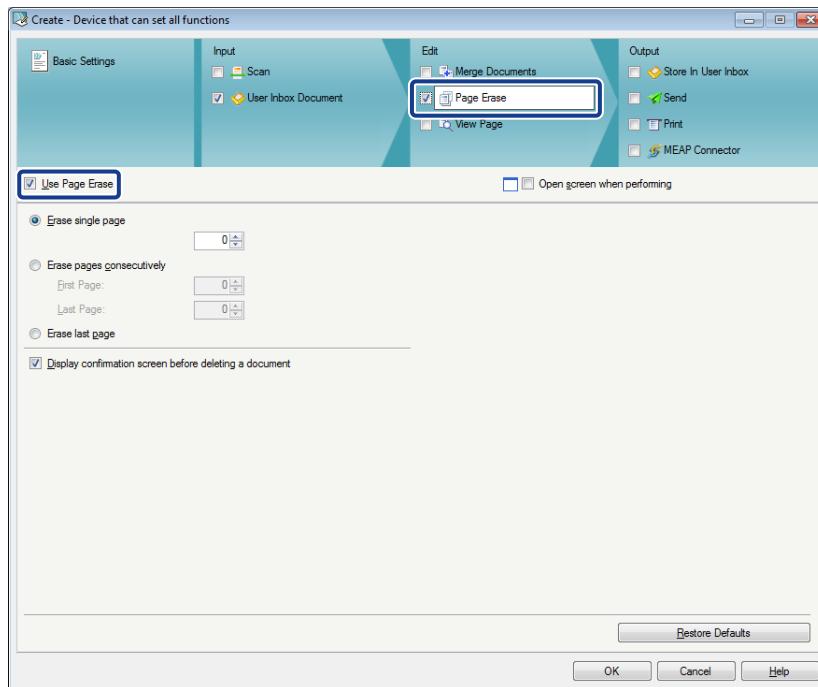
# Page Erase

## IMPORTANT

- You cannot set this function for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].
- You may not be able to use this function for flows you create/edit, even if you select [Device that can set all functions] as a target in [Target Destination] and set this function.

## 1.

Select [Page Erase] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

## 2.

Select [Use Page Erase].

## 3.

Specify the page to erase.

You can specify a single page, the last page, or a page range to erase.

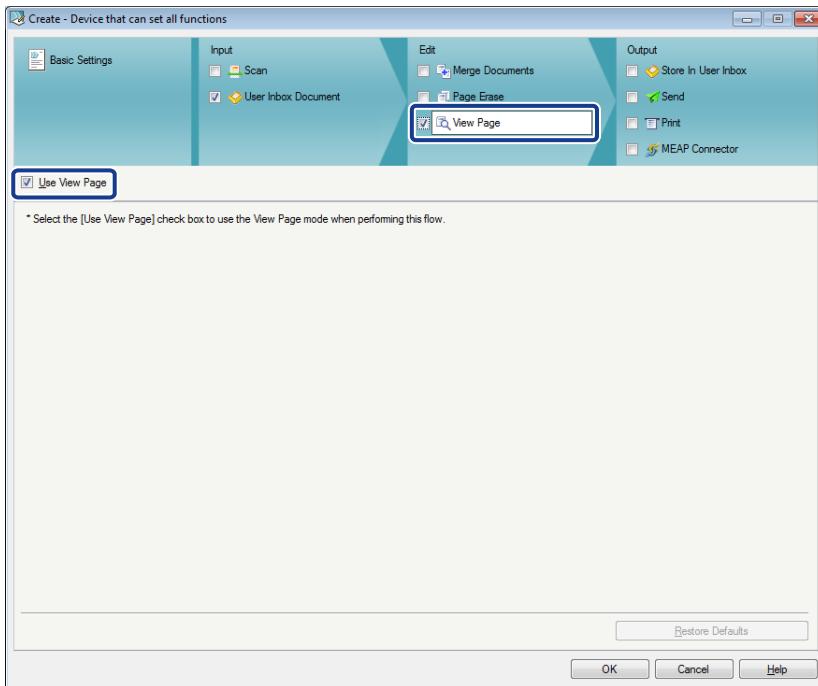
### NOTE

- If you select [Display confirmation screen before deleting a document], a confirmation screen for settings is displayed when the flow is executed.
- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing a flow, click [Cancel] to stop editing the flow.

## View Page

### 1.

Select [View Page] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

### 2.

Select [Use View Page].

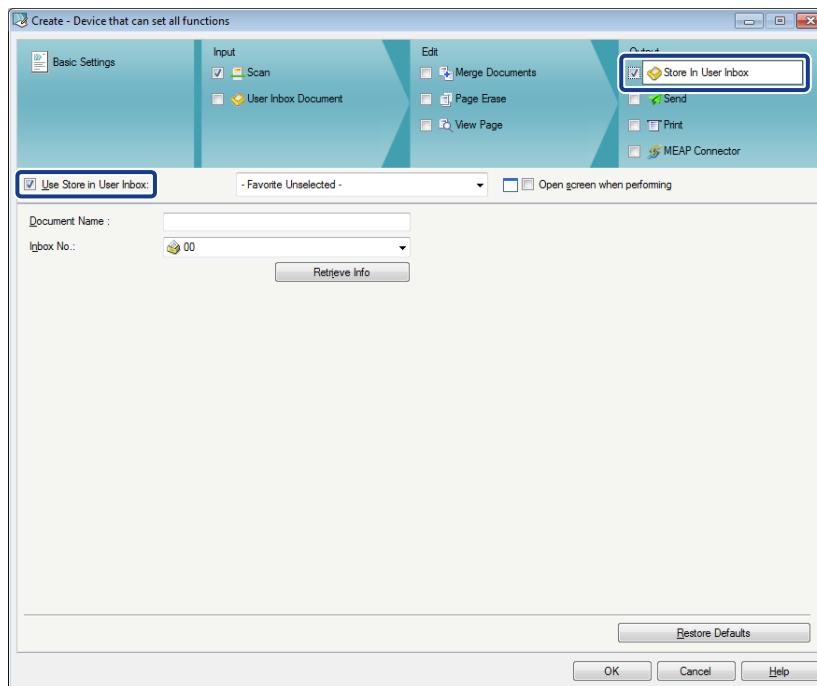
## Store in User Inbox

### IMPORTANT

- You cannot set this function for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].
- You may not be able to use this function for flows you create/edit, even if you select [Device that can set all functions] as a target in [Target Destination] and set this function.

### 1.

Click [Store In User Inbox] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

## 2.

Select [Use Store in User Inbox].

## 3.

Click [Retrieve Info] to retrieve the inbox information.

### NOTE

- If you set a device with a VGA touch panel display in which iW Function Flow V2.2.x is installed as a target, information cannot be retrieved, even if you click [Retrieve Info].

## 4.

Enter the name to use when saving the document in [Document Name] → select the destination inbox for the document in [Inbox No.].

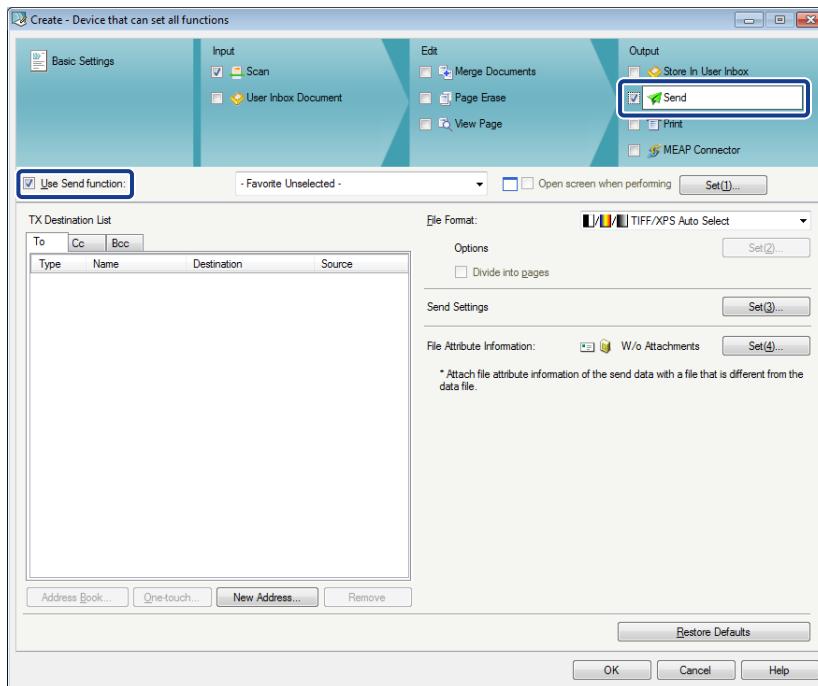
### NOTE

- You can use environmental variables in [Document Name]. For more information, see "Using Environment Variables," on p. 3-69.
- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- The settings can be registered as a template (a "Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.

# Send

## 1.

Click [Send] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched. (The display may vary slightly if [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] is selected in the [Target Destination] drop-down list.)

## 2.

Select [Use Send function].

## 3.

Click [Set] in [Open screen when performing].

The [Set Confirmation Screen Upon Start] dialog box is displayed.

## 4.

Select the items to display on the touch panel display of the device when the flow is executed → click [OK].

## 5.

Specify the destinations.

### Specifying the destinations in [To]:

- Click [To].
- Click [Address Book]/[One-touch]/[New Address] to specify the destinations.

For more information on specifying destinations, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, according to the device you are using.)

#### IMPORTANT

- Address books must be retrieved before using [Address Book] or [One-touch]. For more information, see "Retrieving Address Books," on p. 3-23.
- It is recommended that you use [Address Book] or [One-touch] to specify the destinations. If you specify many destinations in [New Address], the data size of the flow will become much larger. This may cause the size of the data to exceed the maximum when uploading flows from iW Function Flow Editor to targets or importing flows to devices with iW Function Flow.
- If destinations are specified with [New Address], [Name] is not displayed. ([Name] is only displayed when it has been assigned to a destination selected from [Address Book].)

#### NOTE

- You can use environmental variables in [E-mail Address]/[i-Fax Address]/[File Path]/[User] in the [New Address - To] dialog box. For more information, see "Using Environment Variables," on p. 3-69.

### Specifying the destinations in [Cc] or [Bcc]:

- Click [Cc]/[Bcc].
- Click [New Address] to specify the destinations.

For more information on specifying destinations, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, according to the device you are using.)

#### IMPORTANT

- Address books must be retrieved before using [Copy from Address Book]. For more information, see "Retrieving Address Books," on p. 3-23.
- [Name] is not displayed for [Cc] or [Bcc] destinations. ([Name] is not displayed even if a destination selected from [Address Book] or [One-touch] for [To] is changed to [Cc] or [Bcc], or even if a destination is selected from [Copy from Address Book].)

#### NOTE

- You can use environmental variables in [E-mail Address] in the [New Address - To] dialog box. For more information, see "Using Environment Variables," on p. 3-69.

## 6.

Select the file format to use when sending in [File Format].

For more information on setting the file format, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, according to the device you are using.)

## 7.

Click [Set] in [Send Settings] → specify the send settings → click [Close].

For more information on specifying send settings, see the instruction manuals that came with the device. (The items displayed on the setting screen may vary slightly, depending on the device you are using.)

### NOTE

- You can use the following environmental variables in [Subject] in the [Send Settings] dialog box. For more information, see "Using Environment Variables," on p. 3-69.

## 8.

To set information for the document to send in the file name, click [Set] in [Send Settings] → [Set] in [Extended Send Doc. Name].

For more information, see "Flows to Automatically Set the File Name of Send Document Information," on p. 3-60.

## 9.

To automatically create and append a file that includes information for the document to send, click [Set] in [File Attribute Information].

For more information, see "Flows to Automatically Create a File including Send Document Information," on p. 3-62.

### NOTE

- When creating a new flow in iW Function Flow Editor, [Sender's Name (TTI)] is set to '00' or '000', but when the flow is executed the document is sent with the [Unit Name] registered in the device.
- The settings can be registered as a template ("Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing flows, click [Cancel] to stop editing the flow.

# Flows to Automatically Set the File Name of Send Document Information

You can create a flow to automatically use information for the document to send as the file name.

**1.**

Click [Set] of [Send Settings] in [Send] of the [Output] process.

The [Send Settings] dialog box is displayed.

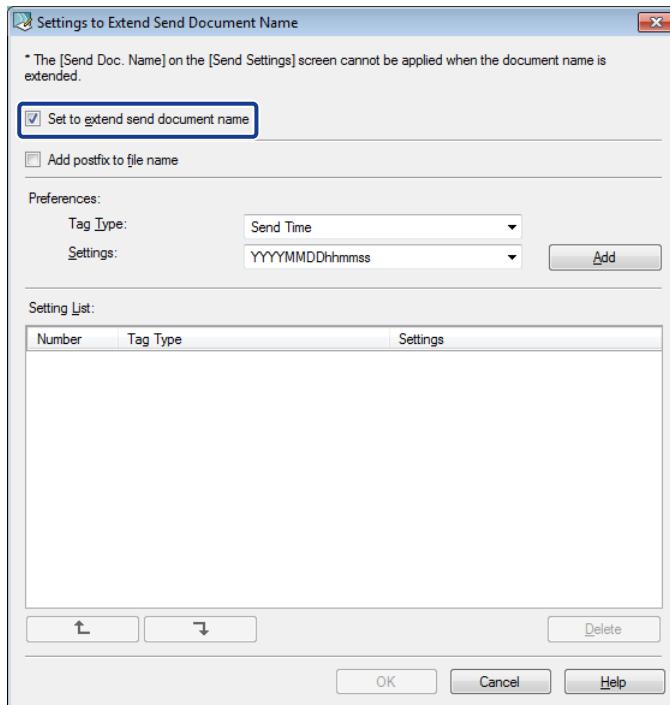
**2.**

Click [Set] of [Extended Send Doc. Name].

The [Settings to Extend Send Document Name] dialog box is displayed.

**3.**

Select [Set to extend send document name].



## 4.

Select the item to add to the file name in [Tag Type] of [Preferences].

## 5.

If [Send Time] or [Custom String] is selected in [Tag Type], select/enter the item values in [Settings].

### NOTE

- The send time can also be added to the file name by selecting [Add postfix to file name].

## 6.

Click [Add].

## 7.

Specify items to add to the file name repeating steps 4 through 6.

To change the order of items to add to the file name, select the setting name and click  or .

## 8.

Click [OK].

### NOTE

- If [Extended Send Doc. Name] is specified when [Job Done Notice] is selected, the setting for [Extended Send Doc. Name] is displayed as the name of the sent document in the notification e-mails. (Although the document is actually sent with a name like "20100512\_0000001", composed of the converted time and reception number, etc.)
- If [Extended Send Doc. Name] is specified when the device is set to output a TX report, the setting for [Extended Send Doc. Name] is displayed as the name of the sent document on the TX report. (Although the document is actually sent with a name like "20100512\_0000001", composed of the converted time and reception number, etc.)

## Flows to Automatically Create a File including Send Document Information

You can create a flow to automatically attach a file that includes detailed information for the document to send.

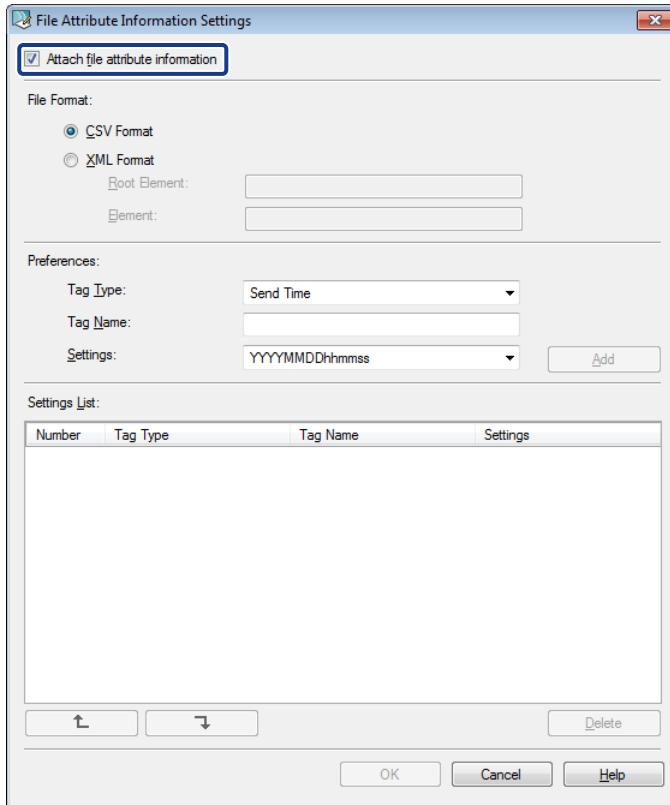
**1.**

Click [Set] of [File Attribute Information] in [Send] of the [Output] process.

The [File Attribute Information Settings] dialog box is displayed.

**2.**

Select [Attach file attribute information].



**3.**

Select the file format in [File Format].

### IMPORTANT

- The attribute information file is created with the same file name as the send document.

## 4.

If [XML Format] is selected in [File Format], set [Root Element] and [Element].

## 5.

Select the item to include in the file in [Tag Type] of [Preferences] → enter the tag name (tag name of XML file/column name of CSV file) in [Tag Name].

## 6.

If [Send Time] or [Custom String] is selected in [Tag Type], select/enter the item values in [Settings].

## 7.

Click [Add].

## 8.

Specify items to include in the file repeating steps 5 though 7.

To change the order of items to include in the file, select the setting name and click  or .

## 9.

Click [OK].

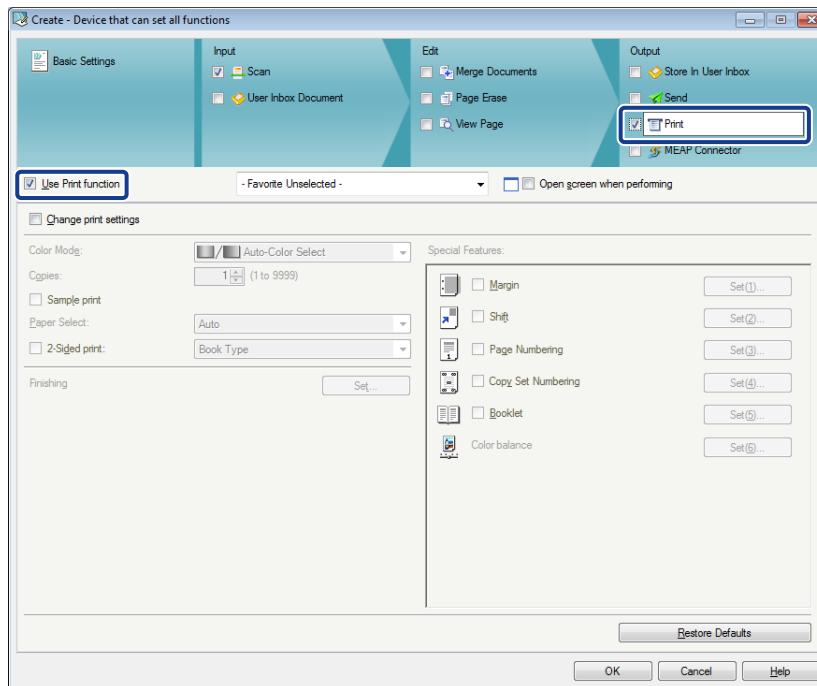
# Print

## IMPORTANT

- You cannot set this function for flows you create/edit for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination].
- You may not be able to use this function for flows you create/edit, even if you select [Device that can set all functions] as a target in [Target Destination] and set this function.

## 1.

Click [Print] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched.

## 2.

Select [Use Print function].

## 3.

Select [Change print settings] to change print settings.

## 4.

Set [Color Mode], [Copies], and [Paper Select], etc.

You can also specify layout and finishing settings. For more information, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, according to the device you are using.)

### NOTE

- For setting [Booklet], specify one of the following settings in the [Input] process.
  - Select [Scan] → [Use Scan function], and [For Printing] in [Scan Type], then [Booklet scanning]
  - Select [User Inbox Document]
- [Sample print] can be selected when all of the following conditions are met:
  - [Change print settings] is selected
  - [Copies] is set to more than 2
  - [Collate] or [Staple + Collate] is selected as the [Finishing] mode, or [Booklet] is selected
- You can use environmental variables in [Add characters] in the [Page Numbering] dialog box. For more information, see "Using Environment Variables," on p. 3-69.
- If you select [Open screen when performing], the settings are displayed on the touch panel display of the device when the flow is executed.
- The settings can be registered as a template (a "Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.
- Click [Restore Defaults] to clear all of the settings you have specified. If you accidentally discard the specified settings while editing flows, click [Cancel] to stop editing the flow.

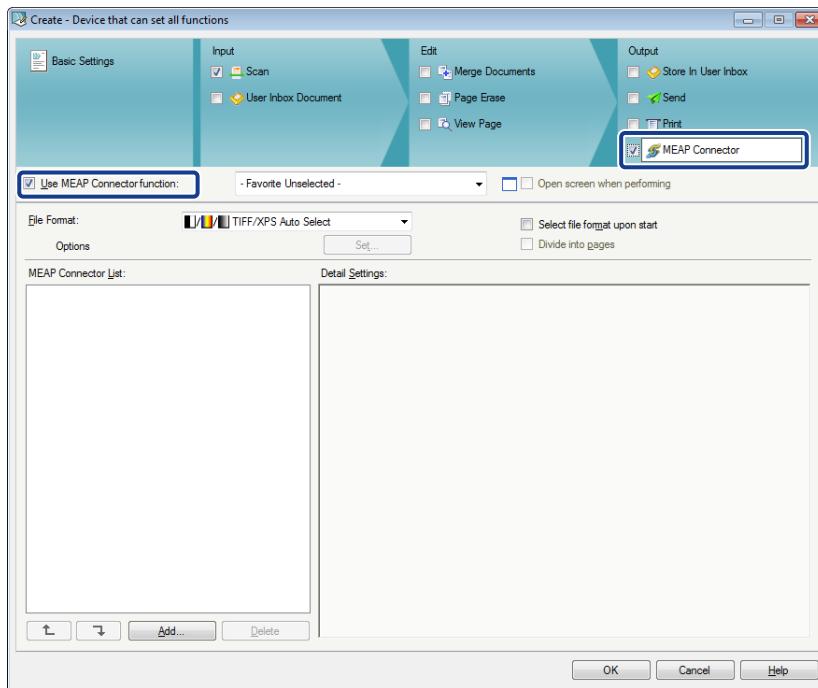
# MEAP Connector

## IMPORTANT

- If the version of the MEAP Connector definition file used when creating a flow is different from the one used when editing the flow, [MEAP Connector] is deleted from [Output] process of the flow. When editing the flow, confirm the version of the definition file in advance. (Select the flow in the Basic Features screen to display the version of the definition file in [Detailed Information].) Make sure to back-up the MEAP Connector definition file when you edit it.

## 1.

Click [MEAP Connector] in the [Create] or [Edit] dialog box.



The items displayed on the bottom of the screen are switched. (The display may vary slightly if [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] is selected in the [Target Destination] drop-down list.)

## 2.

Select [Use MEAP Connector function].

## 3.

Select the file format to use when sending in [File Format].

For more information on setting the file format, see the instruction manuals that came with the device. (The items displayed on the setting screen may differ slightly, depending on the device you are using.)

### NOTE

- To select the file format to use when executing the flow, select [Select file format upon start].

## 4.

Click [Add].

The [Add MEAP Connector] dialog box is displayed.

### IMPORTANT

- [Add] is grayed out unless you have imported a MEAP Connector definition file and associate it with a target. For more information, see "Registering the MEAP Connector," on p. 3-25.

## 5.

Select the MEAP Connector in [MEAP Connector Name].

### IMPORTANT

- To create flows using a MEAP Connector, it is necessary to register the MEAP Connector (import a MEAP Connector definition file and associate it with a target) in iW Function Flow Editor. For more information, see "Registering the MEAP Connector," on p. 3-25.

## 6.

Select a pattern in [Pattern] → click [OK].

For more information on the patterns, see the instruction manuals for the MEAP Connector you are using.

## 7.

Set the fixed values for each step and whether to display the screens for each step in [Detail Settings], as necessary.

For more information, see the instruction manuals for the MEAP Connector you are using.

### IMPORTANT

- You can enter a maximum of 256 characters in the text box inside [Detail Settings].
- If you deselect [Display this Dialog with the settings below] in [Detail Settings], the screen for the step is not displayed on the touch panel display when executing the flow. If you deselect this item for the step in which "(Set upon Start)" is displayed or the step in which the required values are not entered or selected, the flow can be created but cannot be executed. Therefore take extra care when doing this operation.

### NOTE

- You can use environmental variables in some text boxes in [Detail Settings]. For more information see "Using Environment Variables," on p. 3-69.
- If you are using MEAP Connector for SMB Indexing V1.0, it is recommended that you update it to the latest version. For more information, contact your local authorized Canon dealer.

## 8.

Repeat steps 4 to 7 to set the required MEAP Connectors.

## 9.

Change the order for executing the MEAP Connectors, as necessary.

To change the order for executing the MEAP Connectors, select the MEAP Connector, and click



or



### IMPORTANT

- You can set a maximum of 20 MEAP Connectors for a single flow.

### NOTE

- The settings can be registered as a template (a "Favorite"). A template can be used to create another flow. For more information, see "Registering Favorite Flow Settings," on p. 3-72.

# Using Environment Variables

If you use environment variables such as those in the table below, you can send files to a folder that appends a user name or send files with a file name that appends the date by executing a single shared flow.

## IMPORTANT

- Environment variables can be used with other environment variables and with user-defined strings. However, keep the number of characters below the limit for each variable after replacing the environment variables.
- To execute flows that include environment variables, the device must allow the use of environment variables. For more information, see the instruction manuals for iW Function Flow.
- Environment variables can be used for the following items:
  - [File Name] in [Store In User Inbox]
  - [E-mail Address]/[I-Fax Address]/[Destination Folder Path]/[User Name] in [New Address] in [To] in [Send]
  - [E-mail Address] in [New Address] in [Cc]/[Bcc] in [Send]
  - [Subject]/[Send Doc. Name] in [Send Settings] in [Send]
  - [Add characters] in [Page Numbering] in [Print]
  - Text boxes for [Detail Settings] in [MEAP Connector]
- If you execute a flow including environment variables on a device that does not allow the use of environment variables, the flow is processed without replacing the environment variables in iW Function Flow.

Environment Variables	When Using DepartmentID Authentication (Department ID Management)		When Using User Authentication			
	Department ID Management: On	Department ID Management: Off	User Authentication: Off	User Authentication: On		
				Department ID Management: On Log on state when executing a flow	Department ID Management: Off Log on state when executing a flow	Login Screen Display Settings: Display When Function Is Selected (Functions: Except iW Function Flow) Log off state when executing a flow
%loginname%	Department ID	-----	-----	User Name		-----
%name%	-----		-----	Display Name "Null" if none is registered "-----" if there is no authentication restriction on iW Function Flow		-----
%domain%	Null		Null	Domain Name "Null" if the user is not a domain user		Null
%sid%	Department ID	0000000	System Manager ID	Department ID For administrator users: System Manager ID	Department ID "0000000" if none is registered For administrator users: System Manager ID	Department ID registered for a default user* "4294901760" if none is registered
%email%	Null	E-mail address registered for a default user* "Null" if none is registered	E-mail address registered for a default user* "Null" if none is registered	E-mail address registered for a login user "Null" if none is registered		E-mail address registered for a default user* "Null" if none is registered

Environment Variables	When Using DepartmentID Authentication (Department ID Management)		When Using User Authentication			
	Department ID Management: On	Department ID Management: Off	User Authentication: Off	User Authentication: On		
				Department ID Management: On	Department ID Management: Off	Login Screen Display Settings: Display When Function Is Selected (Functions: Except iW Function Flow) Log off state when executing a flow
%date[opt]%	Day to Start Executing Flow [opt] specifies the notation style, which can be either YMDhms, DMYhms, MDYhms, YMD, DMY, MDY, hms, Y (4 digits), y (last 2 digits), M, D, h, m, or s. If this is omitted, the default notation is used.					
%ipaddress%	IP address If only [Use IPv4] is set to ON in [TCP/IP Settings] on the [Settings/Registration] screen of devices, the environment variable changes to IPv4 address, and if only [Use IPv6] is set to ON, the variable changes to IPv6 address. If both [Use IPv4] and [Use IPv6] are set to ON, enter either IPv4 or IPv6 in [opt]. If omitted, IPv4 is entered automatically. If you use this environment variable in [File Name]/[Folder Path] in [Send] and change it to IPv6 address, the separators of the address are displayed as a period. You may not be able to use this environment variable, depending on the model of your device.					

\*A user who logs in when [User Authentication] is set to "Off". The user can select "----" as the user name in [Register/Edit Authentication User] and set items such as the e-mail address and department ID of the default user. For information on user settings, see the instruction manual for the device.

The above list describes the environment variables of iW Function Flow V2.3 or later. If you are using V2.2 or earlier of iW Function Flow, see the relevant manual.

## Registering Favorite Flow Settings

Flow settings can be registered as a template in the Favorites list. A template can be used to easily create another flow.

The following Favorites settings can be registered as a template:

- [Basic Settings]
- [Scan] under [Input]
- [Store In User Inbox] under [Output]
- [Send] under [Output]
- [Print] under [Output]
- [MEAP Connector] under [Output]

### NOTE

- Up to five flow settings can be registered as templates for each logon user.
- Favorite settings are registered exclusively for each individual target. You cannot use the Favorites settings of one target to create/edit flows for another target.

### 1.

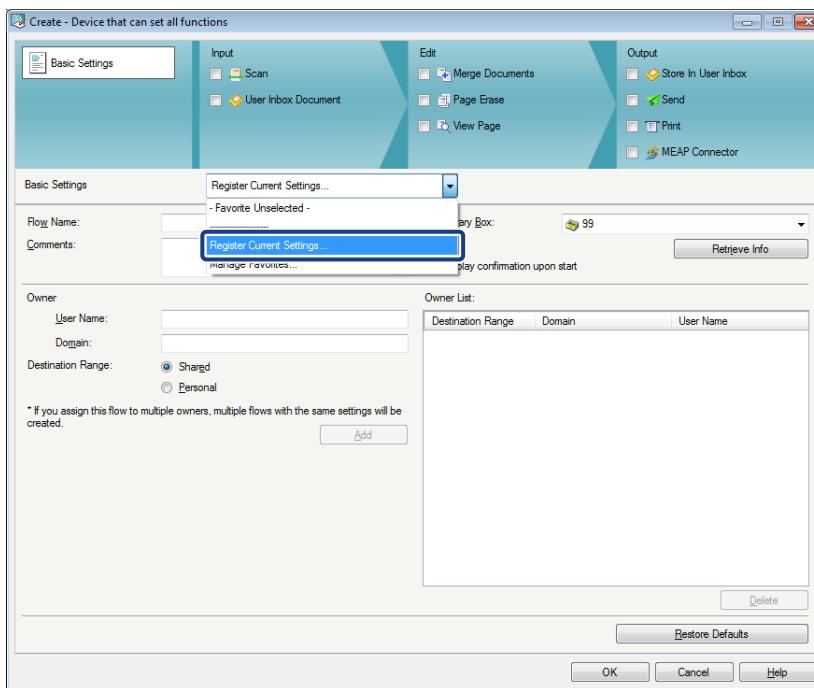
#### Specify the flow settings in the [Create] or [Edit] dialog box.

Specify any of the following flow settings. For more information, see the descriptions for each setting screen.

- » Basic Settings (p. 3-40)
- » Scan (for Printing) (p. 3-44)
- » Scan (for Sending) (p. 3-46)
- » Store in User Inbox (p. 3-55)
- » Send (p. 3-57)
- » Print (p. 3-64)
- » MEAP Connector (p. 3-66)

## 2.

Select [Register Current Settings] from the Favorites list.



(On the screen example shown above, [Basic Settings] is selected.)

## 3.

Enter a name for the favorite settings in [Name] → click [OK].

The settings are registered in the Favorites list.

### NOTE

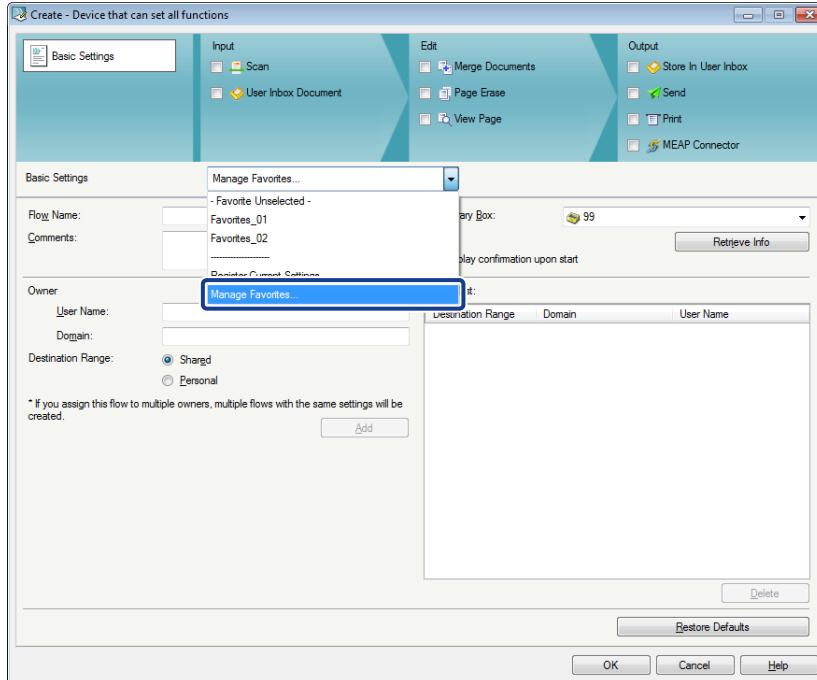
- You can enter a maximum of 64 characters in [Name].
- You cannot register the favorite setting with the same name as the existing one.

# Managing Favorites

You can manage the favorites by changing the names of the favorites or deleting them, etc.

1.

Select [Manage Favorites] from the Favorites list in the [Create] or [Edit] dialog box.



(On the screen example shown above, [Basic Settings] is selected.)

## 2.

Change the display order of the favorites, change the names of favorites, or delete favorites, as necessary.

### To change the display order of a favorite:

- Select a favorite in [Profile List].
- Click  or .

### To change the name of a favorite:

- Select the favorite in [Profile List].
- Click [Rename].
- Enter a new name for the favorite → click [Close].

#### NOTE

- You can enter a maximum of 64 characters for the favorite name.
- You cannot register the favorites setting with the same name as the existing one.

### To delete a favorite:

- Select the favorite in [Profile List].
- Click [Delete].

## 3.

Click [Close].

## Creating/Editing a Flow Using Favorites

---

You can create/edit flows using registered favorites.

**1.**

In the [Create] or [Edit] dialog box, select the favorite to use from the list of the favorites.

The settings registered in the Favorites are displayed.

**2.**

Create/Edit flows.

For more information on creating/editing flows, see "Creating a Flow," on p. 3-38, or "Editing a Flow," on p. 3-77.

# Editing a Flow

You can edit a flow displayed in the [Downloaded Flows] list.

## IMPORTANT

- You can only edit flows that are displayed in the [Downloaded Flows] list. Flows being viewed (flows displayed in the [Flows in Target Destination] list) cannot be edited. To edit flows being viewed from a target, download the flows from the target.
- You cannot create/edit the flow for a target while the flows are being downloaded.
- You cannot edit flows with the following functions set for a target with [iR-ADV C2030i/C2030L/C2025i/C2020i/C2020L] selected for [Target Destination]:
  - Flows with [Scan] set for the [Input] process and [For Printing] set for [Scan Type]
  - Flows with [Scan] set for the [Input] process and [For Sending] set for [Scan Type], and with [Portrait] set for [Original Content Orientation]
  - Flows with [Scan] set for the [Input] process and [For Sending] set for [Scan Type], and with [Landscape] set for [Original Content Orientation]
  - Flows with [User Inbox Document] set for the [Input] process
  - Flows with [Merge Documents] set for the [Edit] process
  - Flows with [Page Erase] set for the [Edit] process
  - Flows with [Store In User Inbox] set for the [Output] process
  - Flows with [Send] set for the [Output] process and [Receive in Color] set for [I-Fax] in [New Address].
  - Flows with [Send] set for the [Output] process and [NetWare (IPX)] set for [Protocol] for [File] in [New Address].
  - Flows with [Send] set for the [Output] process, with [Reader Extensions] and [Encrypted PDF] set in [PDF Options], and with [Do Not Allow], [Change but Add Comments/Extract Pages], [Insert,Delete, or Rotate Pages], or [Signature Field Signing] set in [Allow Changes].
  - Flows with [Send] set for the [Output] process and [OOXML (Word/PowerPoint)] set for [File Format]
  - Flows with [Send] set for the [Output] process and [100] set for [Sender's Name (TTI)]
  - Flows with [Send] set for the [Output] process and [JPEG] set for [File Format]
  - Flows with [Send] set for the [Output] process and [TIFF] set for [File Format]
  - Flows with [Send] set for the [Output] process, with [Encrypted PDF] set in [PDF Options], and with [Acrobat 9.0 or equivalent/256-bit AES] set for [Encryption Level]
  - Flows with [Send] set for the [Output] process, with [Encrypted PDF] set in [PDF Options], and with [Acrobat 10.0 or equivalent/256-bit AES] set for [Encryption Level]
  - Flows with [Print] set for the [Output] process
  - Flows with [MEAP Connector] set for the [Output] process and [OOXML (Word/PowerPoint)] set for [File Format]

- Flows with [MEAP Connector] set for the [Output] process and [JPEG] set for [File Format]
- Flows with [MEAP Connector] set for the [Output] process and [TIFF] set for [File Format]
- Flows with [MEAP Connector] set for the [Output] process, with [Encrypted PDF] set in [PDF Options], and with [Acrobat 9.0 or equivalent/256-bit AES] set for [Encryption Level]
- Flows with [MEAP Connector] set for the [Output] process, with [Encrypted PDF] set in [PDF Options], and with [Acrobat 10.0 or equivalent/256-bit AES] set for [Encryption Level]
- Flows with [MEAP Connector] set for the [Output] process, with [Reader Extensions] and [Encrypted PDF] set for [PDF Options], and with [Do Not Allow], [Change but Add Comments/Extract Pages], [Insert,Delete, or Rotate Pages], or [Signature Field Signing] set in [Allow Changes]
- Depending on your model, a flow may not operate correctly on the device it is uploaded to, even if selecting [Device that can set all functions].
- When editing a flow created with a black-and-white device which includes printing, note that the [Color Mode] for printing is corrected to [Auto-Color Select].

#### NOTE

- You can create/edit up to 10 flows at a time.
- You can create/edit flows for one target while creating/editing flows for another target.
- If multiple [Create]/[Edit] dialog boxes are opened, they may not be displayed in a cascade, depending on the resolution. If you want to use them in a cascade display, it is recommended to use this software with 1280 x 1024 resolution.

## 1.

Select the target of flows to edit from the [Targets] list.

## 2.

View or download flows registered in the target, if necessary.

For more information, see “Viewing Flows in a Device,” on p. 3-30, or “Downloading Flows from a Target,” on p. 3-34.

## 3.

From the [Downloaded Flows] list, select the flows to edit.

## 4.

From the [Flows] menu, select [Edit], or click  (Edit Flow) on the [Downloaded Flows] list toolbar.

The [Edit] dialog box is displayed.

#### IMPORTANT

- An error message is displayed if you try to edit a flow set with functions that cannot be executed on the target device. In this case, edit the flow after copying it to an appropriate target. For more information, see “Copying Flows,” on p. 3-80.

## 5.

Change the necessary settings for [Basic Settings], [Input], [Edit], and [Output] process.

For more information, see “Basic Settings,” on p. 3-40, or the descriptions of the setting screens for each device function.

### [Input]

- » Scan (for Printing) (p. 3-44)
- » Scan (for Sending) (p. 3-46)
- » User Inbox Document (p. 3-48)

### [Edit]

- » Merge Documents (p. 3-50)
- » Page Erase (p. 3-52)
- » View Page (p. 3-54)

### [Output]

- » Store in User Inbox (p. 3-55)
- » Send (p. 3-57)
- » Print (p. 3-64)
- » MEAP Connector (p. 3-66)

## 6.

Click [OK].

A confirmation message is displayed.

Select [Yes] to overwrite.

Select [No] to add a flow with the same name and a different flow ID.

#### IMPORTANT

- The edited flows are temporarily saved on the computer’s hard disk, and deleted when iW Function Flow Editor is closed. To save the changes made to flows, upload them to the target or export them as a file.
- When you confirm the flow created in iW Function Flow V1.1/V1.2 or iW Function Flow Editor V1.1/1.2 in the [Edit] dialog box of iW Function Flow Editor V2.0/V2.1/V2.2, and click [OK], the flow file size will get larger even if the settings are not changed. If there is not enough space in a device, you may not be able to upload the flows to the same device again. If the settings are not changed, click [Cancel], and then the flow file size will stay the same.

# Copying Flows

You can copy flows for a target to another target. The copied flows are registered in the target selected as the copy destination.

## IMPORTANT

- You can only copy flows that are displayed in the [Downloaded Flows] list. Flows being viewed (flows displayed in the [Flows in Target Destination] list) cannot be copied. To copy flows being viewed, download the flows from the target.
- The maximum number of flows that you can temporarily save in iW Function Flow Editor for one target is 1200. When iW Function Flow Editor already contains the maximum number of flows for a target (1200 flows are displayed in the [Downloaded Flows] list), if you try to copy any other flows into the [Downloaded Flows] list for the target, an error message is displayed. In this case, delete any unnecessary flows, and copy the flows again.
- You cannot copy flows while the [Create] or [Edit] dialog box is displayed.

## NOTE

- Please note the following information when you copy a flow to another target.
  - If [User Inbox Document] is selected for the [Input] process of the copied flow, select the inbox number and document name on the device in which the flow is executed.
  - Even if [Sender's Name (TTI)] is specified in [Send] for the [Output] process of the copied flow, documents will be sent using the value registered in [Unit Name] of the device automatically when the flow is executed.
- If you copy a flow into another target, the flow may not be able to be used, due to differences in the functions and equipment configuration of the optional device. Followings are some of the examples.
  - When printing:  
If you execute a flow with the finisher's Staple mode set on a device that does not have a finisher, the prints will be output without being stapled.
  - When sending:  
If you execute a flow on a device in which an address specified in the flow is not registered, the document will not be sent to that address.

## 1.

Select the target from the [Targets] list, in which the flows you want to copy are registered.

## 2.

Select the flows to copy from the [Downloaded Flows] list.

## NOTE

- You can copy multiple flows simultaneously.

### 3.

Select [Copy] from the [Flows] menu.

### 4.

Select the destination target to copy from the [Targets] list.

### 5.

Select [Paste] from the [Flows] menu.

The flows are copied to the selected target, and added at the bottom of the [Downloaded Flows] list.

#### IMPORTANT

- A flow is copied even if it is set with functions that cannot be executed on the target to copy it to.  
In this case, an error message is displayed if you try to edit the flow in the target it is copied to.  
For more information, see "Editing a Flow," on p. 3-77.

#### NOTE

- If a flow with the same name exists in the destination target to copy, the existing flow is not overwritten. The copying flow is added as the same name and a different flow ID.
- You can also copy flows by dragging and dropping them to the target you want to copy.
- The date and time that the flow was copied are registered in [Updated] and [Registered Date].

# Duplicating Flows

You can duplicate flows within the same target.

## IMPORTANT

- You can only duplicate flows that are displayed in the [Downloaded Flows] list. Flows being viewed (flows displayed in the [Flows in Target Destination] list) cannot be duplicated. To duplicate flows being viewed, download the flows from the target.
- The maximum number of flows that you can temporarily save in iW Function Flow Editor for one target is 1200. When iW Function Flow Editor already contains the maximum number of flows for a target (1200 flows are displayed in the [Downloaded Flows] list), if you try to duplicate any other flows, an error message is displayed. In this case, delete any unnecessary flows, and duplicate the flows again.
- You cannot duplicate flows while the [Create] or [Edit] dialog box is displayed.

## 1.

Select the target of flows to duplicate from the [Targets] list.

## 2.

Select the flows to duplicate from the [Downloaded Flows] list.

## NOTE

- You can duplicate multiple flows simultaneously.

## 3.

Select [Duplicate] from the [Flows] menu, or click  (Duplicate) on the [Downloaded Flows] list toolbar.

The flows are duplicated, and added at the bottom of the [Downloaded Flows] list.

## NOTE

- An asterisk (\*) is added to the name of the original flow for the duplicated flow name. For example, if you duplicate a flow with the name 'Booklet Print', the name of the duplicated flow becomes "\*Booklet Print". If the number of entered characters for the duplicated flow name exceeds the upper limit, the last character of the flow name is deleted.
- The date and time that the flow was duplicated are registered in [Updated] and [Registered Date].

# Deleting Flows

---

You can delete unnecessary flows.

## IMPORTANT

- You cannot delete flows while the [Create] or [Edit] dialog box is displayed.

## 1.

Select the target from the [Targets] list.

## 2.

Select the flows to delete from the [Downloaded Flows] list.

## NOTE

- You can delete multiple flows simultaneously.

## 3.

Select [Delete] from the [Flows] menu, or click  (Delete Flows) on the [Downloaded Flows] list toolbar.

A confirmation message is displayed.

## 4.

Select [Yes].

The flows are deleted.

# Uploading Flows to a Target

## Uploading Flows to a Device

You can upload flows that have been created/edited in iW Function Flow Editor to a device. Flows can only be uploaded to the device which has been set as the target for the flows.

### IMPORTANT

- You cannot upload flows to a device in the following cases:
  - If the power of the device is turned OFF
  - If communications cannot be performed between the device and iW Function Flow Editor
  - If the device is not set to enable the use of Device Information Delivery Settings function for [iW Function Flow]
  - If iW Function Flow is not started on the device
  - If a time-out occurred while communicating with the device
  - If settings are being specified on the [Settings/Registration] screen of devices other than imageRUNNER ADVANCE devices
  - If the device is communicating with another iW Function Flow Editor or other devices
  - If the device is not authenticated correctly
- If you try to upload flows to a device that already stores its maximum number of flows, an error message is displayed. In this case, delete any unnecessary flows, and upload the flows again. For information on the number of flows that can be stored in the device, see the instruction manuals for iW Function Flow.
- It may take about one hour to upload multiple flows in the following cases:
  - If a large number of flows are to be uploaded
  - If a large number of flows are stored on the device
- The touch panel display of the device cannot be operated while uploading flows to the device.
- If you try to upload flows whose data size exceeds the upper limit that can be sent to the device, an error message is displayed. In this case, delete some flows to reduce the data size and then perform the operation again.
- You cannot upload flows to a target while the [Create] or [Edit] dialog box is displayed.
- A flow is uploaded even if it is set with functions that cannot be executed on the device to upload it to. In this case, the flow will not operate correctly on the device it is uploaded to.

## 1.

Select the device from the [Targets] list to upload the flows.

## 2.

Select the flows to upload from the [Downloaded Flows] list.

### NOTE

- You can upload multiple flows simultaneously.

## 3.

Select [Upload] from the [Flows] menu, or click  (Upload) on the [Downloaded Flows] list toolbar.

The [Upload] dialog box is displayed.

### NOTE

- You can also upload flows by dragging and dropping them from the [Downloaded Flows] list to the [Flows in Target Destination] list.

## 4.

Select [Add] or [Register after erasing current flows] → click [OK].

Select [Register after erasing current flows] to upload the flows after deleting all the flows stored in the device.

## 5.

If the dialog box for authentication is displayed, enter the following authentication information.

**Target device [Device Information Delivery Settings] - [Use MEAP Authentication When Receiving] : Set to [On]**

	[User Name]	[Password]	[Login Destination]	[Domain Name]
If the user authentication method of the target device includes server authentication	User with administrator privileges	Password of the user specified in [User Name]	This device or domain	The domain that the user entered in [User Name] belongs to*
If the user authentication method of the target device is local device authentication only			-	-

\*Can only be entered if a domain is selected for [Login Destination].

**Target device [Device Information Delivery Settings] - [Use MEAP Authentication When Receiving] : Set to [Off]**

	[User Name]	[Password]
If the System Manager ID is set	System Manager ID	System Password
If the System Manager ID is not set	Do not enter anything	Do not enter anything

For information on a System Manager ID and a System Password, see the instruction manuals for the device.

### IMPORTANT

- Once authentication has been performed successfully, the dialog box for authentication is not displayed for subsequent communication.

## 6.

If the dialog box for setting the encryption algorithm is displayed, select an encryption method from [Encryption Algorithm] → click [OK].

### IMPORTANT

- The selected encryption method is registered in the target information. The dialog box for setting the encryption algorithm is not displayed for subsequent communication.

The flows are uploaded to the device.

### IMPORTANT

- Take care because all the flows registered currently in the device including the flows registered by other users are erased if you select [Register after erasing current flows].
- To display the uploaded flows in the [Flows in Target Destination] list, view the flows inside the device again. For information on viewing the flows in a device, see "Viewing Flows in a Device," on p. 3-30.
- A flow is uploaded even if it is set with functions that cannot be executed on the device to upload it to. In this case, the flow will not operate correctly on the device it is uploaded to. Upload the flow to an appropriate device.

### NOTE

- If a flow with the same flow ID exists in the device to upload to, the existing flow is overwritten when uploading is executed.
- If a flow with the same name exists in the device to upload to, the existing flow is not overwritten. The uploading flow is added with the same name and a different flow ID.
- If you accidentally delete flows stored in a device, upload the flows from iW Function Flow Editor again.
- If you click [Cancel] on the screen displayed while uploading flows, uploading is canceled. However, some flows may be uploaded to the target.

# Uploading Flows to Multiple Targets

You can upload a flow to multiple targets at one time.

## IMPORTANT

- In the following cases, it may take a few minutes for the status dialog box to be correctly displayed, or it may take a few hours for a flow to be uploaded:
  - If there are a large number of targets
  - If a large number of flows are to be uploaded
  - If a large number of flows are stored on the upload destination device

## NOTE

- Upload all the flows in the target selected in step 1 to the multiple targets selected in step 4.

## 1.

Select the target of flows to batch upload from the [Targets] list.

## 2.

Select [Batch Upload] from the [Tool] menu.

The [Batch Upload] dialog box is displayed.

### 3.

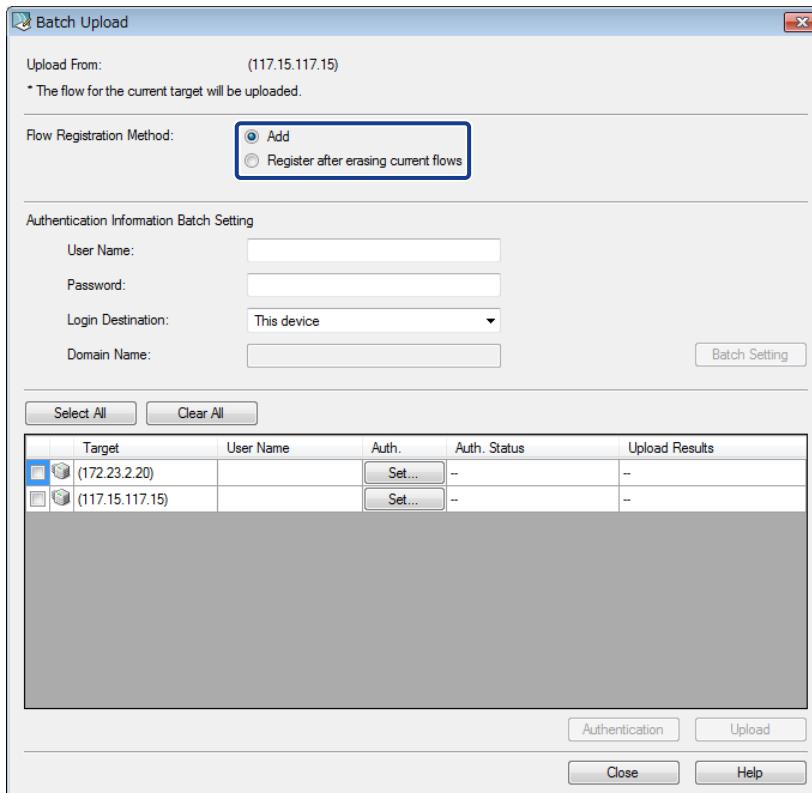
Select [Add] or [Register after erasing current flows].

#### If you select [Add]:

- The flow will be uploaded and added to the flows that are already registered.

#### If you select [Register after erasing current flows]:

- The flow will be uploaded after deleting all the flows registered in the device.



#### IMPORTANT

- Take care because all flows registered in the device to upload to, including the flows registered by other users, are erased if you select [Register after erasing current flows].

## 4.

### Select the targets to upload to.

To upload to all of the targets at one time, click [Select All].

#### NOTE

- You can select up to 30 devices as the targets.

## 5.

### Authenticate the targets.

#### If [Succeeded] is displayed in [Auth. Status] of the targets to upload to:

- Proceed to step 6.

#### If [--] or [Failed] is displayed in [Auth. Status] of the targets to upload to:

- To enter the same user name and password for multiple upload targets at one time, enter the following authentication information for each item of [Authentication Information Batch Setting], then click [Batch Setting].
- To enter the user name and password separately, click [Batch Setting] for the targets to upload to.

A dialog box for authentication is displayed.

- Enter the following authentication information, and click [OK].

**Target device [Device Information Delivery Settings] - [Use MEAP Authentication When Receiving] : Set to [On]**

	[User Name]	[Password]	[Login Destination]	[Domain Name]
If the user authentication method of the target device includes server authentication	User with administrator privileges	Password of the user specified in [User Name]	This device or domain	The domain that the user entered in [User Name] belongs to*
If the user authentication method of the target device is local device authentication only			-	-

\*Can only be entered if a domain is selected for [Login Destination].

**Target device [Device Information Delivery Settings] - [Use MEAP Authentication When Receiving] : Set to [Off]**

	[User Name]	[Password]
If the System Manager ID is set	System Manager ID	System Password
If the System Manager ID is not set	Do not enter anything	Do not enter anything

For information on a System Manager ID and a System Password, see the instruction manuals for the device.

## 6.

Click [Upload].

## 7.

If the dialog box for setting the encryption algorithm is displayed, confirm [Target] → select an encryption method from [Encryption Algorithm] → click [OK].

The flow is uploaded to the selected targets with [Succeeded] displayed in [Auth. Status].

### IMPORTANT

- To display the uploaded flows in the [Flows in Target Destination] list, view the flows inside the target again. For information on viewing the flows in a target, see "Viewing Flows in a Device," on p. 3-30.
- The flow is uploaded, even if functions that cannot be executed in the upload destination device are set in the flow. In this case, the flow will not operate correctly in the destination device. Upload the flow to an appropriate device.

### NOTE

- If a flow with the same flow ID exists in the device to upload to, the existing flow is overwritten when uploading is executed.
- If a flow with the same name exists in the target to upload to, the existing flow is not overwritten. The uploading flow is added with the same name and a different flow ID.
- If you accidentally delete flows stored in a device, upload the flows from iW Function Flow Editor again.
- If you click [Cancel] on the screen displayed while uploading flows, uploading is canceled. However, some flows may be uploaded to the target.

# Deleting Flows from a Device

You can delete unnecessary flows stored in devices.

## IMPORTANT

- You can only delete flows stored in devices from the [Flows in Target Destination] list.
- It may take about 20 minutes to delete multiple flows in the following cases:
  - If a large number of flows are to be deleted
  - If a large number of flows are stored on the device
- You cannot delete flows while the [Create] or [Edit] dialog box is displayed.

## 1.

Select the target from the [Targets] list, in which the flows you want to delete are stored.

## 2.

Select the flows to delete from the [Flows in Target Destination] list.

## NOTE

- You can delete multiple flows simultaneously.

## 3.

Select [Delete] from the [Flows] menu, or click  (Delete Flows from This Target) on the [Flows in Target Destination] list toolbar.

The flows are deleted.

## NOTE

- If you accidentally delete flows registered in devices, upload the flows from iW Function Flow Editor again.

# Exporting Flows to a File

You can export flows created/edited in iW Function Flow Editor to a file. Exported flows can be imported to iW Function Flow on a device.

## IMPORTANT

- You can only export the flows displayed in the [Downloaded Flows] list.
- When you export flows, make sure that they do not exceed the maximum number or data size that can be stored in the targets.
- You cannot export flows while the [Create] or [Edit] dialog box is displayed.

## 1.

Select the target from the [Targets] list for the flows to export.

## 2.

Select the flows from the [Downloaded Flows] list.

## 3.

Select [Export] from the [Flows] menu.

A dialog box for specifying the destination for the file and the file name is displayed.

## 4.

If the dialog box for setting the encryption algorithm is displayed, select an encryption method from [Encryption Algorithm] → click [OK].

## 5.

Follow the instructions in the dialog box to specify where you want to save the file and the file name.

The flows are exported.

# Confirming and Exporting the Communication Log

---

## Confirming Communication Logs

You can check the log of communications between iW Function Flow Editor and registered targets.

### IMPORTANT

- You cannot check the communication log while the [Create] or [Edit] dialog box is displayed.

### NOTE

- The latest 100 communications are displayed in the log.

## 1.

Select [Communication Log] from the [Tool] menu.

The [Communication Log] dialog box is displayed.

## 2.

Confirm the contents of the log → click [Close].

Time	Process	Objects	User Name	Result	Destination
14/06/2011 19:16:44	Upload	Settings	user	Failed	172.23.2.20
14/06/2011 19:16:25	Upload	Settings	user	Failed	172.23.2.20
14/06/2011 19:15:44	Upload	Settings	user	Failed	172.23.2.20
14/06/2011 19:02:25	Download	Settings	user	OK	172.23.2.27
14/06/2011 19:02:01	View	Flow List	user	OK	172.23.2.27
14/06/2011 17:50:07	View	Flow List	user	OK	172.23.2.27
14/06/2011 17:42:26	Authenticate	--	user	Failed	172.23.2.27
14/06/2011 17:38:32	Batch Upload	Settings	user	OK	172.23.2.27
14/06/2011 17:38:27	Batch Upload	Settings	user	Failed	172.23.2.20
14/06/2011 17:38:18	Authenticate	--	user	OK	172.23.2.27
14/06/2011 17:38:18	Authenticate	--	user	Failed	172.23.2.20
14/06/2011 17:37:36	Authenticate	--	user	OK	172.23.2.27
14/06/2011 17:37:06	Authenticate	--	user	Failed	172.23.2.20

[Time]: Displays the date and time the communication started.

[Process]: Displays the type of communication process ([Upload]/[Authenticate]/[Batch Upload]/[Download]/[View]/[Delete]).

[Objects]: Displays the type of communicated object ([Flow List]/[Settings]/[Address Books]).

[User Name]: Displays the name of the user who performed the communication.

[Result]: Displays the result of the communication ([OK]/[Failed]/[Cancel]).

[Destination]: Displays the IP address or host name of the destination target.

# Confirming the Communication Log Details

The following describes how to display the communication Log details between iW Function Flow Editor and targets.

## IMPORTANT

- You cannot check the details of the communication log while the [Create] or [Edit] dialog box is displayed.

**1.**

Select [Communication Log] from the [Tool] menu.

The [Communication Log] dialog box is displayed.

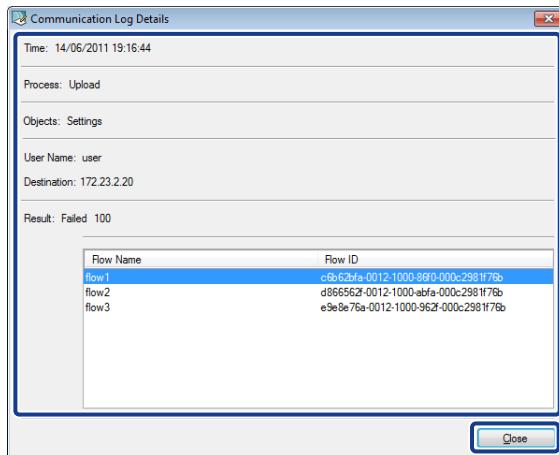
**2.**

Select an arbitrary communication log → click [Details].

The [Communication Log Details] dialog box is displayed.

### 3.

Confirm the contents → click [Close].



[Time]: Displays the date and time communication was started.

[Process]: Displays the various communication processes ([Upload]/[Authenticate]/[Batch Upload]/[Download]/[View]/[Delete]).

[Objects]: Displays the types of communicated objects ([Flow List]/[Settings]/[Address Books]).

[User Name]: Displays the name of the user who performed the communication.

[Destination]: Displays the IP address and host name of the target to communicate to.

[Result]: Displays the result of communication ([OK]/[Failed]/[Cancel]) and error code when communication is failed.  
For information on error codes, see "Communication Log Error Code List," on p. 5-38.

[Flow Name]: Displays the name of the flow for the communication results that failed.

[Flow ID]: Displays the flow ID of the communication results that failed.

# Exporting Communication Logs to a File

The following describes how to export a communication log between iW Function Flow Editor and targets to a file.

## IMPORTANT

- You cannot export a communication log while the [Create] or [Edit] dialog box is displayed.

## 1.

Select [Communication Log] from the [Tool] menu.

The [Communication Log] dialog box is displayed.

## 2.

Click [Export].

The [Save As] dialog box is displayed.

## 3.

Specify where to save the file following the instruction of the [Save As] dialog box.

The communication log is exported.

## NOTE

- A maximum of 160 communication logs can be exported.
- The initial settings for the name of the exported file is 'FEC\_log.xml'.

# Backing up/Restoring Settings Data

## Backing up the Setting Information

The following describes backing up iW Function Flow Editor setting information to a file. You can restore the setting information backed up to a file in the different iW Function Flow Editor. You can back up the following settings information.

- Target information
- Registered information of the MEAP Connector (including the information of association with targets)
- Address Book
- Favorites data
- Display style
- Display language setting

### IMPORTANT

- You cannot backup setting information while the [Create] or [Edit] dialog box is displayed.

### 1.

Select [Backup Setting Information] from the [Tool] menu.

The [Save As] dialog box is displayed.

### 2.

Specify where to save the file following the instruction of the [Save As] dialog box.

The setting information is backed up.

### NOTE

- The name of the setting information file is 'FES\_Data.fes'. Change the file name as necessary.

# Restoring the Setting Information

The following describes restoring setting information to iW Function Flow Editor from a backup file.

## IMPORTANT

- The file extension of setting information that can be restored is '.fes'.
- When you upgrade from the old version of iW Function Flow Editor, the setting information from the old version is carried over. (It is not necessary to backup and restore the setting information before and after the upgrade.)
- Setting information for iW Function Flow Editor V1.2 and later can be restored to this version. (Information not included in the setting information for each version will be set with the default values.)
- Do not change the setting information before and after restoring it. (If you restart iW Function Flow Editor in step 3, only the information restored from the setting information file will be reflected, and all changes performed before and after will be discarded.)
- You can only restore one setting information file at a time. Even if you restore multiple setting information files, only the setting information in the file restored last will be reflected.
- You cannot restore setting information while the [Create] or [Edit] dialog box is displayed.

## 1.

Select [Restore Setting Information] from the [Tool] menu.

The [Open] dialog box is displayed.

## 2.

Open the setting information file following the instructions of the [Open] dialog box.

## 3.

Close and restart iW Function Flow Editor.

## IMPORTANT

- To reflect the restored setting information in iW Function Flow Editor, it is necessary to restart iW Function Flow Editor.

# Uninstalling iW Function Flow Editor

This chapter describes the procedures for uninstalling iW Function Flow Editor.

---

<b>Uninstalling the iW Function Flow Editor .....</b>	<b>4-2</b>
Uninstalling from the Windows Control Panel .....	4-2
Uninstalling Using 'setup.exe' on the Installation Disc .....	4-2

# Uninstalling the iW Function Flow Editor

Uninstall iW Function Flow Editor using one of the following methods:

- Uninstall from the Windows Control Panel
- Uninstall using 'setup.exe' on the installation disc

## NOTE

- Uninstalling iW Function Flow Editor does not uninstall .NET Framework, Language Pack, or the license management software.

## Uninstalling from the Windows Control Panel

### 1.

Log on to Windows as an Administrator.

### 2.

Uninstall iW Function Flow Editor.

- Select [Control Panel] → [Programs] → [Programs and Features] from the [Start] menu.
- Select [iW Function Flow Editor] from the list → click [Uninstall].
- If confirmation message is displayed, click [Yes].

Uninstallation starts.

## Uninstalling Using 'setup.exe' on the Installation Disc

### 1.

Log on to Windows as an Administrator.

### 2.

Insert the installation disc for this product into the drive.

## 3.

Execute the installer on the installation disc.

### If you install on 32-bit operating system:

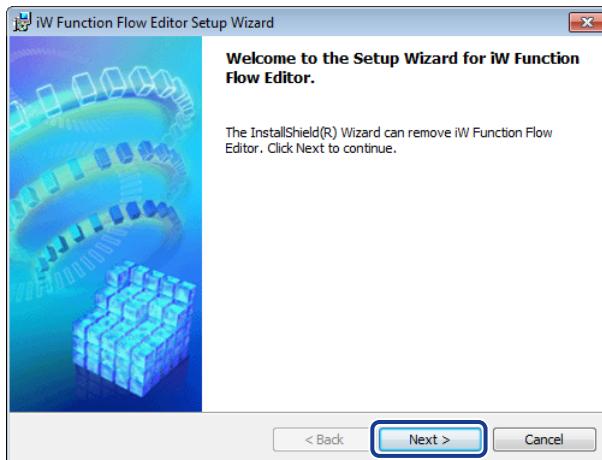
- Double-click \x86\setup.exe in the installation disc.

### If you install on 64-bit operating system:

- Double-click \x64\setup.exe in the installation disc.

## 4.

Click [Next].



## 5.

Click [Remove].

Uninstallation starts.

## 6.

Click [Exit].

Uninstallation is complete.



# Troubleshooting

This chapter includes the troubleshooting section, error code list of communication log, and list of error messages.

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# Troubleshooting

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This section explains how to handle any trouble you may have in operating iW Function Flow Editor.

## Cannot view the flows in a target.

Cause 1	The power of the target device is turned OFF.
Remedy	Make sure that the power of the target device is turned ON.
Cause 2	The target device is not communicating properly with iW Function Flow Editor.
Remedy	Make sure that the target device is communicating properly with iW Function Flow Editor.
Cause 3	The target device does not have the Device Information Delivery Settings, or the receive restriction in [iW Function Flow] is not set to [Off] in the Device Information Delivery Settings function.
Remedy	Make sure that the target device has the Device Information Delivery Settings, and the receive restriction in [iW Function Flow] is set to [Off] in the Device Information Delivery Settings function. For more information, see the manuals for the device.
Cause 4	iW Function Flow is not started on the target device.
Remedy	Start iW Function Flow on the device.
Cause 5	Settings are currently being performed from the [Settings/Registration] screen or the [Additional Functions] screen of the target device.
Remedy	Try performing the procedure again after the settings from the [Settings/Registration] screen or the [Additional Functions] screen of the target device have been specified.
Cause 6	Address Book is currently being displayed on the target device.
Remedy	Try performing the procedure again after the Address Book have been closed.
Cause 7	The target device is communicating with the iW Function Flow Editor or other devices.
Remedy	Try performing the procedure again after the communications have finished.
Cause 8	The target is not authenticated correctly.
Remedy	When the device is not authenticated correctly, the authentication error message will be displayed. Perform user authentication with the correct authentication information for the target, and then try to viewing the flows again.

Cause 9	The port this plug-in uses to communicate with the device is closed.
Remedy	Enable the use of HTTP for network settings from the [Settings/Registration] screen or [Additional Functions] screen of the devices. If you want to use encrypted communication with the device, configure the required settings to use HTTPS. For more information, see the manuals for the device.

## Cannot upload/download flows.

Cause 1	The power of the target device is turned OFF.
Remedy	Make sure that the power of the target device is turned ON.
Cause 2	The target device is not communicating properly with iW Function Flow Editor.
Remedy	Make sure that the target device is communicating properly with iW Function Flow Editor.
Cause 3	The target device does not have the Device Information Delivery Settings, or the receive restriction in [iW Function Flow] is not set to [Off] in the Device Information Delivery Settings function.
Remedy	Make sure that the target device has the Device Information Delivery Settings, and the receive restriction in [iW Function Flow] is set to [Off] in the Device Information Delivery Settings function. For more information, see the manuals for the device.
Cause 4	iW Function Flow is not started on the target device.
Remedy	Start iW Function Flow on the device.
Cause 5	Settings are currently being performed from the [Settings/Registration] screen or the [Additional Functions] screen of the target device.
Remedy	Try performing the procedure again after the settings from the [Settings/Registration] screen or the [Additional Functions] screen of the target device have been specified.
Cause 6	Address Book is currently being displayed on the target device.
Remedy	Try performing the procedure again after the Address Book have been closed.
Cause 7	The target device is communicating with the iW Function Flow Editor or other devices.
Remedy	Try performing the procedure again after the communications have finished.

Cause 8	The target is not authenticated correctly.
Remedy	When the device is not authenticated correctly, the authentication error message will be displayed. Perform user authentication with the correct authentication information for the target, and then try uploading/downloading the flows again.
Cause 9	The port this plug-in uses to communicate with the device is closed.
Remedy	Enable the use of HTTP for network settings from the [Settings/Registration] screen or [Additional Functions] screen of the devices. If you want to use encrypted communication with the device, configure the required settings to use HTTPS. For more information, see the manuals for the device.

**When creating/editing flows, the address book is not displayed in [Send] for the [Output] process.**

Cause	The Address Book has not been retrieved.
Remedy	Retrieve the Address Book for the target. For more information, see "Retrieving Address Books," on p. 3-23.

**The startup screen of iW Function Flow Editor is displayed on the edge of the monitor's screen.**

Cause	The resolution settings are not correctly reflected in iW Function Flow Editor.
Remedy	Restart iW Function Flow Editor, and execute [Initialize Display] from the [View] menu.

## Cannot import a MEAP Connector definition file.

Cause 1	<p>There is no language resource file with the same base name as the definition file in the folder in which the MEAP Connector definition file is stored. (The base name is the string before the '.xml' in the file name of the definition file and the string before the '_' in the file name of the language resource file.)</p>
Remedy 1	<p>Store the language resource file in the folder. (The English language resource file is necessary.)</p>
Remedy 2	<p>Match the base name of the definition file and the language resource file. (The English language resource file is necessary.)</p>
Cause 2	<p>Definitions that cannot be used in iW Function Flow Editor or iW Function Flow are included in the MEAP Connector definition file.</p>
Remedy 1	<p>Confirm that the MEAP Connector definition file is valid.</p>
Remedy 2	<p>Check the following restrictions, and edit the MEAP Connector definition file.</p> <ul style="list-style-type: none"><li>• A template must not exist in a simple pattern. There must not be a "template" element in the subelements of the "step" element inside a "simplePattern" element.</li><li>• A single parameter sending multiple values must not exist for a simple pattern. There must not be a "singular" in the "quantityType" attribute of the "param" element inside a "paramList" element.</li><li>• A duplicate parameter must not exist inside the parameter list inside the steps of a pattern. There must not be a duplicate "paramName" element inside the "paramList" element under the "step" element, which is a subelement of the "simplePattern" element and "pattern" element.</li><li>• A parameter that is not in the parameter list inside the template must not exist. The value for the "paramName" element included in the "choiceItem" element and "textItem" element inside the "textTemplate" element, the value for the "paramName" element included in the "list" subelement of the "listTemplate" element, and the value for the "paramName" element included in the "folder" subelement of the "folderTemplate" element, must be included in the "param" element inside the "paramList" element.</li><li>• A duplicate item ID must not exist inside a single list template. There must not be a duplicate "id" for "listItem" inside a "listTemplate" element.</li><li>• A duplicate item ID must not exist inside a single folder template. There must not be a duplicate "id" for "folderItem" inside a "folderTemplate" element.</li><li>• A duplicate item ID must not exist inside a single combo box. There must not be a duplicate "id" for "value" inside a "choiceItem" element.</li></ul>

- An unknown step must not exist in the step order definition inside a pattern.  
The “step” element indicated in the “stepName” defined in the “order” element (which is a subelement of the “pattern” element) must be defined inside the same “pattern” element.
- A duplicate step name must not exist inside a pattern.  
There must not be a duplicate “stepName” defined in the “step” element, which is a subelement of the “pattern” element.
- A duplicate parameter must not exist inside a single text template.  
All the “paramName” elements included in the “textItem” element and “choiceItem” element inside the “textTemplate” element must be different.
- The number of patterns must not exceed the limit.  
The total number of “simplePattern” elements and “pattern” elements inside the “connector” element must be 20 or less.
- The number of parameters inside a step must not exceed the limit.  
The number of “param” elements inside each “paramList” element in the “step” element (which is a subelement of the “simplePattern” element and “pattern” element) must be 100 or less.
- The number of steps in a pattern must not exceed the limit.  
The number of “step” elements inside a “pattern” element must be 20 or less.
- The number of external reference keys inside a MEAP Connector definition must not exceed the limit.  
The number of “referenceKey” elements inside each “simplePattern” element or “pattern” element must be 20 or less.
- The number of selectable items inside a single list template/folder template/combo box must not exceed the limit.  
The “id” for the “listItem” subelements in a “listTemplate” element must be between 1 and 100. The “id” for the “folderItem” subelements in a “folderTemplate” element must be between 1 and 100. The “id” for the “value” subelements in a “choiceItem” element must be between 1 and 100.
- The number of parameters in a single pattern must not exceed the limit.  
The number of “param” elements included in a “pattern” element must be between 1 and 300.
- The size of the MEAP Connector definition file must not exceed the limit.  
The file size must be 2 MB or less.

# List of Error Messages

This section describes the procedures for resolving error messages when using iW Function Flow Editor.

## List of Error Messages during Installation

**A newer version of iW Function Flow Editor is already installed. Installation will be canceled.**

Status	A newer version of iW Function Flow Editor than the version you are trying to install is already installed.
Remedy	Perform the installation on a different computer, or uninstall the newer version and then perform the installation again as necessary.

**Cannot install iW Function Flow Editor on this version of Windows.**

Status	iW Function Flow Editor does not support the operating system on your computer.
Remedy	Check the operating system installed on your computer to make sure that it conforms to iW Function Flow Editor's system requirements. For information on the supported operating systems, see "System Requirements," on p. 1-9.

**Out of memory.**

Status	Your computer does not have sufficient memory to perform the installation.
Remedy	Expand the memory or increase the virtual memory on your computer.

**Please run the Setup Wizard again after apply the latest service pack.**

Status	A necessary service pack has not been applied to the operating system on your computer, or an unsupported service pack has been applied.
Remedy	Apply the appropriate service pack to the operating system installed on your computer. For information the supported service packs, see "System Requirements," on p. 1-9.

**Restart your computer to complete the setup of iW Function Flow Editor. To restart your computer now, click [Yes]; to restart your computer later, click [No].**

Status	This is a confirmation message displayed when you complete the installation of iW Function Flow Editor that prompts you to restart the computer. To use the installed iW Function Flow Editor, restart your computer.
Remedy	Confirm the restart of the computer by clicking [Yes] or [No].

**Specify the path to the destination folder with up to 100 characters.**

Status	You tried to specify a path to a destination folder for installing this application with more than 100 characters.
Remedy	Specify a path again to a destination folder for installing this application within 100 characters or less.

**The path to the destination folder is incorrect. Specify the path again.**

Status	You tried to specify a path to the destination folder including a root folder with less than 4 characters.
Remedy	Specify a path again to the destination folder with more than 4 characters.

**You do not have privileges to perform installation. Log on again with Administrator privileges.**

Status	You cannot perform installation because you are not logged on to the computer as an Administrator.
Remedy	Log on to the computer as an Administrator.

**You do not have privileges to perform uninstallation. Log on again with Administrator privileges.**

Status	You cannot perform uninstallation because you are not logged on to the computer as an Administrator.
Remedy	Log on to the computer as an Administrator.

**An error occurred while writing installation information to disk. Check to make sure enough disk space is available, and click Retry, or Cancel to end the installation.**

Status	There is insufficient disk space for the preparations to install iW Function Flow Editor on your computer.
Remedy	Specify a disk with sufficient space as the disk to install to.

## Error Messages during Operation

### Cannot start this application because it is being used by another user.

Cause	iW Function Flow Editor has already been started by another user when using the fast user switching function of Windows.
Remedy	Close iW Function Flow Editor session started by another user, and then restart iW Function Flow Editor.

### Could not read the display settings information. Default display settings will be applied.

Cause	The display settings could not be read when starting iW Function Flow Editor.
Remedy	Restart iW Function Flow Editor. For information on starting and closing iW Function Flow Editor, see "Starting iW Function Flow Editor," on p. 3-3, or "Closing iW Function Flow Editor," on p. 3-4.

### One or more flows were not uploaded to the target destinations. Are you sure you want to quit this application?

Cause	You tried to close iW Function Flow Editor when there are some flows that have not been uploaded to a target.
Remedy	If you close iW Function Flow Editor before uploading the flows to a target, information for the flows that did not upload is lost. If you want to upload the flows, click [No], and then upload the flows to a target. For information on uploading flows, see "Uploading Flows to a Device," on p. 3-84.

### Cannot exit application because flows are currently being created or edited.

Cause	You could not close iW Function Flow Editor because the [Create] or [Edit] dialog box is open.
Remedy	Close the [Create] or [Edit] dialog box, and then close iW Function Flow Editor.

## A system error occurred.

Cause 1	An unspecified system error has occurred.
Remedy	Restart your computer. If the same message is still displayed, reinstall iW Function Flow Editor.
Cause 2	An unspecified error occurred while activating the license.
Remedy	Confirm that the license is activated correctly. For more information about license activation, see the Software License Registration Guide (PDF).

## Cannot perform operations because there is insufficient memory. Quit other running applications, and then perform operations again.

Cause	There is insufficient memory to operate iW Function Flow Editor because other applications are running.
Remedy	Close the other applications, and then operate iW Function Flow Editor again. If the same message is still displayed after closing other applications, restart your computer.

## A file error occurred.

Cause 1	There is insufficient hard disk space on your computer to perform iW Function Flow Editor operations.
Remedy	Delete any unnecessary files or applications, and then operate iW Function Flow Editor again.
Cause 2	The hard disk on your computer is write protected.
Remedy	Disable the write protection of the hard disk, and then perform the operation again. For information on disabling the write protection of hard disk, see the instruction manuals for the operating system you are using.
Cause 3	A computer's hard disk you are using is damaged.
Remedy	Check for errors on the computer's hard drive using some tools for disk checking, and then try performing the procedure again.

## The entered value is incorrect. Enter the value again.

Cause	You entered an incorrect value for the iW Function Flow Editor operation.
Remedy	Enter the correct value.

### This target destination has already been registered.

Cause	You tried to register a target with the same IP address or host name as a target that is already registered.
Remedy	Specify a correct IP address or host name.

### Cannot register anymore targets because the number of targets that can be registered in this application has reached the upper limit.

Cause	You tried to register a target when the maximum number of targets has been registered in this application.
Remedy	You can register up to 30 devices as a target. Delete any unnecessary targets, and then register the target again.

### Could not acquire the encryption algorithm information from the device.

Cause	Information on the available encryption algorithms could not be retrieved from the device.
Remedy	Restart your device, and then perform the operation again.

### The [User Name] or [Password] is incorrect.

Cause	The [User Name] or [Password] entered for authentication when accessing the target is incorrect.
Remedy	Enter the correct [User Name] or [Password].

### The [User Name], [Password] or [Domain Name] is incorrect.

Cause	The [User Name], [Password], or [Domain Name] entered for authentication when accessing the target is incorrect.
Remedy	Enter the correct [User Name], [Password], or [Domain Name].

**Could not communicate with the target destination. Check the network status and settings of the target.**

Cause 1	iW Function Flow Editor and the target are not communicating normally because the IP address of the target is not set correctly.
Remedy	Check the IP address of the target, and set the correct IP address in iW Function Flow Editor.
Cause 2	iW Function Flow Editor and the target are not communicating normally because the power of the target is OFF.
Remedy	Turn the power of the target ON.
Cause 3	The network cable is not connected correctly.
Remedy	Connect the network cable correctly.
Cause 4	iW Function Flow has not been started on the specified device.
Remedy	Start iW Function Flow on the device.

**An error occurred while communicating with the target destination. Try to perform this operation again.**

Cause	An unspecified error occurred while communicating with the target.
Remedy	Check the connection between iW Function Flow Editor and the target, and then perform the operation again.

**A time-out occurred while communicating with the target destination. Try to perform this operation again.**

Cause	A time-out occurred while communicating with the target.
Remedy	Check the connection between iW Function Flow Editor and the target, and then perform the operation again.

**The information acquired from the target destination is incorrect. Try to acquire the information again.**

Cause	Invalid information was retrieved from a target.
Remedy	Restart the target, and perform the operation again.

**Cannot communicate with the specified device because the application is not installed on it, or device information delivery settings are incorrect.**

Cause 1	iW Function Flow was not installed on the specified device when you tried to view/upload/download flows.
Remedy	Install iW Function Flow on the device. For information on installing iW Function Flow, see the manuals for iW Function Flow.
Cause 2	iW Function Flow was not started on the specified device when you tried to view/upload/download flows.
Remedy	Start iW Function Flow on the device. For information on starting iW Function Flow, see the manuals for iW Function Flow.
Cause 3	The specified device does not support the Device Information Delivery Settings function, or the restrictions for receiving device information for flows on that device may not be disabled.
Remedy	Confirm that the device supports the Device Information Delivery Settings function, and that the restrictions for receiving device information for flows on that device are disabled.

**The device is currently used by another user. Wait a while, and then try to perform operations again.**

Cause 1	Settings are currently being specified on the [Settings/Registration] screen or the [Additional Functions] screen of the target device.
Remedy	Try performing the procedure again after the settings on the [Settings/Registration] screen or the [Additional Functions] screen of the target device have been specified.
Cause 2	Address Book is currently being displayed on the target device.
Remedy	Try performing the procedure again after the Address Book have been closed.

**The same flow already exists. Do you want to overwrite the following flow?**

**Flow ID: <flow ID>**

**Flow Name: <flow name>**

Cause	You tried to copy/download/import a flow with the same flow ID as a flow that already exists on iW Function Flow Editor.
Remedy	After confirming, click [Yes] or [No].

**Some flows already exist. Do you want to overwrite the following flow?**

**Flow ID: <flow ID>**

**Flow Name: <flow name>**

Cause	You tried to copy/download/import flows with the same flow IDs as flows that already exist on iW Function Flow Editor.
Remedy	After confirming, click [Yes], [Overwrite All], or [No].

**The specified file is invalid. Specify a different file.**

Cause	The file specified for importing the flows is invalid.
Remedy	Specify a valid file.

**Cannot add anymore flows because the number of flows that can be saved temporarily in this application has reached the upper limit.**

Cause	You tried to create, duplicate, copy, or import a flow when the maximum number of flows has already been saved on iW Function Flow Editor.
Remedy	Delete any unnecessary flows, and perform the operation again.

**Could not add one or more flows because the number of flows that can be saved temporarily in this application has reached the upper limit.**

Cause	The number of flows may reach to the upper limit for flows that can be stored in iW Function Flow Editor while duplicating/copying/importing/downloading flows.
Remedy	Delete any unnecessary flows, and perform the operation again.

**Could not import flows because flows do not exist in the selected file.**

Cause	The file specified when importing flows does not include any flow information.
Remedy	Specify a file that includes flow information.

## Cannot communicate with the specified device because device information delivery settings are incorrect.

Cause	The specified device does not support the Device Information Delivery Settings function, or the restrictions for receiving device information for flows on that device may not be disabled.
Remedy	Confirm that the device supports the Device Information Delivery Settings function, and that the restrictions for receiving device information for flows on that device are disabled.

**If you modify the selected target destination information (except the target name and encryption algorithm), the following setting information in this application will be deleted. Are you sure you want to modify the destination information?**

- All flow contents
- Setting information of flows which are registered in Favorites
- Acquired address books

Cause	You tried to change the information of the target for flows that is currently being edited.
Remedy	If you delete the target information, the flow information and retrieved address books for the target are also deleted. If you want to save the flow, click [No], and upload or export the flow to a file.

**If you delete the selected target destination, the following setting information in this application will also be deleted. Are you sure you want to delete the target destination?**

- All information about flow contents
- Setting information of flows which are registered in Favorites
- Acquired address books
- Information about the association between MEAP Connector and the target

Cause	This is the confirmation before deleting target information.
Remedy	If you delete the target information, the flow that is being edited is also deleted. If you want to save the flow, click [No], and upload or export the flow to a file.

## Flows that match the specified conditions were not found.

Cause	When filtering the [Flows in Target Destination] list, no flows that match the specified conditions existed.
Remedy	Filter the [Flows in Target Destination] list using different conditions, as necessary.

## Could not download flows because the selected flows do not exist in the target destination, or are incorrect.

Cause1	The flow you tried to download has been deleted.
Remedy	View the flows that are stored in the target and choose another flow to download, or create the flow again.
Cause2	An encryption method that is not supported by the device is set for the selected flow.
Remedy	The selected flow can only be deleted, not downloaded. Select another flow to download, or create the flow again. It is recommended that you delete the selected flow.

## Could not upload because of one of the following reasons:

- The number of flows exceeds the limit.
- The number of Personal flows exceeds the limit.
- The data size exceeds the limit.
- Flows not supported by the target are included.

Cause	You cannot upload the flows because uploading them will cause the upper limit of the number of flows, flows registered as Personal, or data size of flows that can be stored on the target to be exceeded.
Remedy 1	Delete some flows to reduce the amount of data to be uploaded, or delete some flows that are stored on the target, and then upload the flows again.
Remedy 2	Delete some flows registered as Personal that are stored on the target or in the flows, and then upload the flows again.
Remedy 3	Specify destinations for the [Output] process using the device address books. For information on viewing device address books when creating and editing flows, see "Retrieving Address Books," on p. 3-23.

## Could not upload selected flows to the target destination because an error occurred.

Cause	An unspecified error occurred while uploading flows to a target.
Remedy	Restart the target, and then perform the operation again.

## Could not upload one or more flows because an error occurred.

Cause	An unspecified error occurred while uploading flows to a target.
Remedy	Restart the target, and then perform the operation again.

**Communication has been canceled, but it may take a while for the target destination to process the cancelation. Communication with the target destination is unavailable until this process is complete.**

Cause	Communication with the device has been already canceled because [Cancel] was clicked during flow registration/deletion.
Remedy	Wait a while, and then try communicating with the device again.

## Could not paste because the copied flows have been deleted.

Cause	The flow you tried to copy was deleted before you pasted it.
Remedy	Create the flow again, and then copy it. See "Copying Flows," on p. 3-80.

## Are you sure you want to delete selected flows from the target destination?

Cause	This is a confirmation message displayed when you select to delete flows from a target.
Remedy	Confirm the deletion of the flows by clicking [Yes] or [No].

## Are you sure you want to delete selected flows from the list?

Cause	This is a confirmation message displayed when you select to delete flows from the list.
Remedy	Confirm the deletion of the flows by clicking [Yes] or [No].

## Could not delete flows from the target destination because an error occurred.

Cause	An unspecified error occurred while deleting flows from a target.
Remedy	Restart the target, and then perform the operation again.

## You need to restart this application to update the switched language.

Cause	iW Function Flow Editor must be restarted to reflect the display language setting.
Remedy	Restart iW Function Flow Editor.

## Could not backup the setting information with the specified backup file.

Cause	For some reason setting information could not be backed up.
Remedy	Restart your computer, and then perform the operations again.

## Cannot restore the setting information because it does not contain the setting information in the specified file. Check the contents of the file.

Cause	The incorrect file was specified when restoring setting information.
Remedy	The file extension that can restore setting information is '.fes'. Specify the correct file.

## Could not restore the setting information with the specified backup file.

Cause	For some reason the setting information could not be restored.
Remedy	Restart your computer, and then perform the operation again.

**You are trying to restore setting information that was backed up with an older version of this application.**

**The following information which is currently set will be deleted. Are you sure you want to do this?**

- The setting information of MEAP Connectors which are registered in Favorites
- MEAP Connector definition file
- The settings of associate MEAP Connector and device
- The setting of language switch

Cause	This is a confirmation message displayed before restoring setting information backed up with version of iW Function Flow Editor that is older than the one you are using.
Remedy	After confirming, click [Yes] or [No].

**Cannot restore because the selected file was backed up with a newer version of this application.**

Cause	You tried to restore setting information backed up in a version of iW Function Flow Editor newer than the version you are using.
Remedy 1	Restore the information to a version of iW Function Flow Editor that is the same as the one you backed up the data from.
Remedy 2	Specify the same settings in iW Function Flow Editor you are using as the one you backed up the data from.

**You need to restart this application to update the restored setting information. The set information until restarting will be deleted when you restart.**

Cause	iW Function Flow Editor must be restarted to reflect the restored setting information. Also note that the settings specified before you restart iW Function Flow Editor will be deleted.
Remedy	Restart iW Function Flow Editor. If you specified any settings before restarting iW Function Flow Editor, specify them again after you restart iW Function Flow Editor.

## You can register up to 30 MEAP Connectors.

Cause	You tried to register a MEAP Connector when the maximum number of MEAP Connector is already registered.
Remedy	Delete unnecessary MEAP Connectors, and perform the operation again.

## Are you sure you want to delete the selected MEAP Connector?

Cause	This is a confirmation message displayed when you select to delete MEAP Connector registered in iW Function Flow Editor.
Remedy	After confirming, click [Yes] or [No].

## The specified file is invalid. Specify a different file.

Cause	The file specified for importing the flows is invalid.
Remedy	Specify a valid file.

## You can import up to 20 resource files at a time.

Cause	The number of resource files you are trying to import exceeds the maximum number of resource files you can import at a time.
Remedy	Split the files into two and import the resource files.

## Could not import the MEAP Connector because the resource file necessary for import does not exist in the selected folder.

Cause	The resource file specified when importing the MEAP Connector is not in the same folder as the MEAP Connector definition file.
Remedy	Place the resource file to import in the same folder as the MEAP Connector definition file, and perform the import operation again.

**The MEAP Connector already exists. Do you want to overwrite the following MEAP Connector?**

**MEAP Connector Name: <MEAP Connector name>**

Cause	You tried to import a MEAP Connector definition file with the same name as an existing MEAP Connector definition file.
Remedy	After confirming, click [Yes] or [No].

**Cannot edit because the version of the downloaded flow is different.**

Cause	You tried to edit a flow created by iW Function Flow which does not support iW Function Flow Editor you are currently using.
Remedy	Create a flow using the compliant version of iW Function Flow, or upgrade iW Function Flow Editor.

**You can create or edit up to 10 flows at a time.**

Cause	You tried to create or edit more than 10 flows.
Remedy	Complete the current process of editing/creating a flow, and then perform the operation again.

**Cannot edit because the selected flow contains functions that cannot be set to this target.**

Cause	The flow you tried to edit contains functions that cannot be set on the target.
Remedy	Edit the flow after copying it to a target with [Device that can set all functions] selected for [Target Destination] when the target was registered.

**With this application version some of the selected flow settings may not be edited or displayed. Do you want to continue the process?**

Cause	You are trying to edit a flow created in the newer version of iW Function Flow Editor than you are using. Some of the settings may not be edited or displayed.
Remedy	After confirming, click [Yes] or [No]. (Even if you click [Yes] and edit the flow, the same message is displayed when you finish editing. In this case, click [Yes] again. Also, even if you follow the above procedure, the same message is displayed again when editing the flow next time.)

**The following function was cancelled because the most recent settings were applied.**

Cause	Another function was canceled following the specified settings.
Remedy	Confirm the canceled function as necessary.

**[Open screen when performing] will be enabled because the settings are insufficient. Is this OK?**

Cause	[Open screen when performing] is not selected although the function settings you have specified are insufficient when creating/editing a flow.
Remedy	Select [No] to confirm and specify each device settings, or [Yes] to set [Open screen when performing] to enable.

**Are you sure you want to overwrite the flow?**

**To save the flow with a different ID, click [No].**

Cause	You tried to save a flow with the same flow ID as a flow that is already registered.
Remedy	Confirm overwriting the flow by clicking [Yes] or [No].

**You need to set at least one function in [Input] and [Output].**

Cause	You tried to save a flow without setting any device functions for the [Input] or [Output] process.
Remedy	Set device functions for the [Input] or [Output] process and then save the flow.

**Could not add flows because the number of flows that can be saved temporarily in this application has reached the upper limit.**

**Export flows. Are you sure you want to export flows?**

Cause	The maximum number of flows that can be saved was exceeded because multiple owners were set for a newly created flow.
Remedy	You can export the added flow while the maximum number of flows that can be saved has been reached. Confirm whether to export the flow, and click [Yes] or [No].

## Cannot create flows with the following conditions. Check the settings.

- **Input: Both [Scan] and [User Inbox Document]**
- **Output: [MEAP Connector]**

To process on targets that have the Merge Documents function, select [Merge Documents].

To process on targets that do not have the Merge Documents function, select either [Scan] or [User Inbox Document], not both.

Cause	[Merge Documents] is not set in the [Edit] process when [MEAP Connector] is set in the [Output] process, even though both [Scan] and [User Inbox Document] are set in the [Input] process of the flow.
Remedy 1	To process on targets that have the Merge Documents function, select [Merge Documents] in the [Edit] process.
Remedy 2	To process on targets that do not have the Merge Documents function, select either [Scan] or [User Inbox Document], not both.

## Are you sure you want to delete the settings of this flow?

Cause	This is a confirmation message displayed when you click [Cancel] after specifying settings in the [Create] or [Edit] dialog box, to warn you that any settings you have specified will be lost.
Remedy	If you want to save the flow settings, select [No] and then click [OK] in the [Create] or [Edit] dialog box. Select [Yes] to close the dialog box without saving the flow settings.

## Cannot specify the favorite name with space only.

Cause	You tried to register a favorite name composed entirely of blank spaces.
Remedy	Specify the favorite name properly.

## Enter the [Name].

Cause	You tried to save a favorite when [Name] was left blank.
Remedy	Enter [Name], before exiting [Manage Favorites].

## Cannot insert space to the beginning or the end of the [Name].

Cause	You tried to register [Name] with blank spaces at the beginning or end.
Remedy	Remove the blank spaces from the beginning or end of [Name].

## You can register up to 5 Favorites.

Cause	You tried to register more than five favorite flow settings at one time.
Remedy	Delete any unnecessary favorite settings, and then register the flow settings again.

## This favorite name has already been registered.

Cause	You tried to register a favorite with the same name as a favorite that is already registered.
Remedy 1	Specify a different favorite name.
Remedy 2	Delete or change the name of the existing favorite, and then register a new favorite again.

## Are you sure you want to delete the selected favorite?

Cause	This is a confirmation message displayed when you select to delete favorites from [Profile List].
Remedy	Confirm the deletion of the favorites by clicking [Yes] or [No].

## [Flow Name] was not set.

Cause	You tried to save a flow without setting [Flow Name].
Remedy	Set [Flow Name], and then save the flow.

## Cannot insert space to the beginning or the end of the [Flow Name].

Cause	You tried to register [Flow Name] with blank spaces at the beginning or end.
Remedy	Remove the blank spaces from the beginning or end of [Flow Name].

### Cannot specify the flow name with space only.

Cause	You tried to register a flow name composed entirely of blank spaces.
Remedy	Specify the correct flow name.

### Cannot insert space to the beginning or the end of the [Comment].

Cause	You tried to register [Comments] with blank spaces at the beginning or end.
Remedy	Remove the blank spaces from the beginning or end of [Comments].

### Cannot specify the comment with space only.

Cause	You tried to register a comment composed entirely of blank spaces.
Remedy	Specify the comment properly.

### Cannot insert space to the beginning or the end of the [User Name].

Cause	You tried to register [User Name] with blank spaces at the beginning or end.
Remedy	Remove the blank spaces from the beginning or end of [User Name].

### Cannot specify the user name with space only.

Cause	You tried to register a user name composed entirely of blank spaces.
Remedy	Specify the correct user name.

### Cannot insert space to the beginning or the end of the [Domain].

Cause	You tried to register [Domain] with blank spaces at the beginning or end.
Remedy	Remove the blank spaces from the beginning or end of [Domain].

### Cannot specify the domain with space only.

Cause	You tried to register a domain name composed entirely of blank spaces.
Remedy	Specify the correct domain name.

## Owner information was not set.

Cause	You tried to finish editing a flow without setting owner information for the flow.
Remedy	Set the owner information for the flow, and then complete the editing process.

## Cannot acquire information from the target destination because the password is incorrect.

Cause	When retrieving user inbox information, the specified password for the user inbox was invalid.
Remedy	Specify the correct password again.

## Could not acquire the information from the device.

Cause	The inbox information from the device could not be retrieved.
Remedy	Perform the operation again after confirming the connection with the device.

## If you acquire the information, all the information added in the selected document list will be deleted. Are you sure you want to acquire the information?

Cause	This is the confirmation when retrieving inbox information from devices.
Remedy	If inbox information is retrieved from devices, the contents of [Selected Document List] in [User Inbox Document] are deleted. After confirming, click [Yes] or [No].

## Change the copy ratio or the resolution.

## To scan with Auto Zoom, you need to set the resolution to 300x300 dpi or 600x600 dpi.

Cause	You tried to specify a resolution other than 300x300 dpi or 600x600 dpi with [Auto Zoom] selected for [For Sending] of [Scan].
Remedy	Specify 300x300 dpi or 600x600 dpi for [Resolution] when you select [Auto Zoom] for [For Sending] of [Scan].

**Cannot add because the number of documents is over the upper limit that can be added in the selected document list. You can add up to 32 documents.**

Cause	[Add] was clicked when 33 or more documents are selected in [Document List] in [User Inbox Document].
Remedy	Up to 32 documents can be added to [Document List]. Select the documents, and then perform the operations again.

**One or more documents that do not exist in the device were deleted from the selected document list.**

Cause	The inbox document added in [Selected Document List] in [User Inbox Document] was deleted from the device.
Remedy	Save the inbox document to the device again as necessary.

**Cannot use the user inbox document when the Send or MEAP Connector file format is set to OOXML (PowerPoint).**

Cause	You tried to specify [User Inbox Document] under the [Input] process when [OOXML (PowerPoint)] has been specified for [File Format] in [Send]/[MEAP Connector] under the [Output] process.
Remedy	Deselect [Use User Inbox Document] in [User Inbox Document] under the [Input] process. Alternatively, specify other file format than [OOXML (PowerPoint)] for [File Format] in [Send]/[MEAP Connector] under the [Output] process.

**Cannot use the user inbox document when the Send or MEAP Connector file format is set to OOXML (Word).**

Cause	You tried to specify [User Inbox Document] under the [Input] process when [OOXML (Word)] has been specified for [File Format] in [Send]/[MEAP Connector] under the [Output] process.
Remedy	Deselect [Use User Inbox Document] in [User Inbox Document] under the [Input] process. Alternatively, specify a file format other than [OOXML (Word)] for [File Format] in [Send]/[MEAP Connector] under the [Output] process.

**Cannot merge documents because the user inbox document information could not be acquired.**

Cause	The inbox information could not be retrieved from the device when merging inbox documents.
Remedy	Perform the operation again after connection with the device is confirmed.

**Cannot merge documents because the resolution setting is different.**

Cause	You tried to merge documents with different resolutions.
Remedy	Perform the operation again after specifying documents to merge with the same resolution.

**When editing documents in the CMYK format, all of the selected documents must be in the CMYK format. Specify the settings again.**

Cause	You tried to merge documents in the CMYK format with documents of a different format.
Remedy	After converting all of the documents to merge to the CMYK format, perform the operations again.

**The specified [Erase pages consecutively] is incorrect.**

Cause	When creating/editing a flow, the specified value in [Erase pages consecutively] for the [Edit] process was invalid.
Remedy	Specify the correct value in [Erase pages consecutively].

**One or more addresses were deleted because these addresses, which had been specified as destinations for the following settings, do not exist in the address book.**

- TX Destination List
- Reply To
- Job Done Notice

Cause	This is a confirmation message to inform you that the addresses specified in [TX Destination List], [Reply to], or [Job Done Notice] under [Send] for the [Output] process were deleted.
Remedy	Specify the addresses existing in the address books in [TX Destination List], [Reply to], or [Job Done Notice].

**One or more destinations, which were specified for the following items, have been deleted because the address book was not acquired.**

- TX Destination List
- Reply To
- Job Done Notice

Cause	This is a confirmation message to inform you that the addresses specified in [TX Destination List], [Reply to], or [Job Done Notice] under [Send] for the [Output] process were deleted. The address books containing the specified addresses have not been retrieved to the copy/import target.
Remedy	Retrieve the address books which contains the addresses specified in [TX Destination List], [Reply to], or [Job Done Notice].

**TX destination is not set.**

**Set TX destinations, or select [Send screen] or [Address Book screen] on Confirmation Screen upon Start.**

**[Open screen when performing] will be enabled. Is this OK?**

Cause	[Open screen when performing] is not selected although the settings of [Send] screen you have specified are insufficient when creating/editing a flow.
Remedy	Select [No] to confirm and specify settings on [Send] screen, or [Yes] to set [Open screen when performing] to enable.

**Cannot set [File Format] to OOXML (PowerPoint) when using the user inbox document.**

Cause	You tried to specify [OOXML (PowerPoint)] for [File Format] in [Send]/[MEAP Connector] under the [Output] process when [User Inbox Document] has been specified under the [Input] process.
Remedy	Specify other file format than [OOXML (PowerPoint)] for [File Format] in [Send]/[MEAP Connector] under the [Output] process when [User Inbox Document] has been specified under the [Input] process.

## Cannot set [File Format] to OOXML (Word) when using the user inbox document.

Cause	You tried to specify [OOXML (Word)] for [File Format] in [Send]/[MEAP Connector] under the [Output] process when [User Inbox Document] has been specified under the [Input] process.
Remedy	Specify a setting other than [OOXML (Word)] for [File Format] in [Send]/[MEAP Connector] under the [Output] process when [User Inbox Document] has been specified under the [Input] process.

## Select one of the following settings for scanning when the Send or MEAP Connector file format is OOXML (PowerPoint).

- Select For Printing under [Scan Type].
- Select For Sending under [Scan Type] and 300x300 dpi for [Resolution].
- Select For Sending under [Scan Type] and 600x600 dpi for [Resolution].

Cause	You specified an invalid setting in [Scan] under the [Input] process when [OOXML (PowerPoint)] has been specified for [File Format] in [Send]/[MEAP Connector] under the [Output] process.
Remedy	Select [For Printing] for [Scan Type], or select [For Sending] for [Scan Type] and 300 X 300 dpi or 600 X 600 dpi for [Resolution].

## Select the following settings when the Send or MEAP Connector file format is OOXML (Word).

- Select For Sending under [Scan Type] and 300x300 dpi for [Resolution].

Cause	You specified an invalid setting in [Scan] under the [Input] process when [OOXML (Word)] has been specified for [File Format] in [Send]/[MEAP Connector] under the [Output] process.
Remedy	Select [For Sending] for [Scan Type] and 300 X 300 dpi for [Resolution].

## You can register up to 256 addresses as TX destinations.

Cause	You tried to register a destination when the maximum number of send destinations is already registered.
Remedy	Create a flow with the same settings, and register the destination in that flow.

## Are you sure you want to delete the selected addresses?

Cause	This is a confirmation message displayed when you select to delete addresses.
Remedy	Confirm the deletion of the addresses by clicking [Yes] or [No].

## Could not set encrypted PDF because addresses other than E-mail/File has been set in the TX destination. Set the TX destination again.

Cause	You cannot select destination types other than e-mail or file, if the encrypted PDF setting is specified in [File Format] under [Send] for the [Output] process.
Remedy	Select e-mail or file as the destination type, or clear the [Encrypted PDF] check box.

## Make sure the addresses to set are correct. To make changes to the addresses, click [Cancel].

Cause	This message is for confirming the addresses specified for the TX destination.
Remedy	Confirm the specified addresses. If the address entered is correct, click [OK]. If [Do Not Show This Message Again] is selected, the message is no longer displayed.

## Cannot move the addresses other than E-mail to Cc and Bcc.

Cause	You tried to move an address other than e-mail to [Cc] or [Bcc].
Remedy	Send the e-mail with addresses other than e-mail in [To], or cancel sending the message as necessary.

## The same password cannot be set for [Password to Open a Document] and [Permission Password]. Set the passwords again.

Cause	In the [PDF Options] dialog box, you tried to set the same password in [Password to open a document] and [Permission password].
Remedy	Set different passwords for [Password to open a document] and [Permission password]. For information on the [PDF Options] dialog box, see the instruction manuals for the device.

**To set [Permission Password] for [Encrypted PDF] together with [Reader Extensions], select either of the following in [Allow Changes]:**

- **Commenting and Signature Field Signing**
- **Changes but Extract Pages**

Cause	[Reader Extensions] and [Encrypted PDF] are specified, and [Do Not Allow], [Change but Add Comments/Extract Pages], [Insert,Delete, or Rotate Pages], or [Signature Field Signing] is selected in [Allow Changes].
Remedy	Select either [Commenting and Signature Field Signing] or [Changes but Extract Pages] in [Allow Changes].

**To set [Permission Password] for [Encrypted PDF] together with [Reader Extensions], do not select the following items in [Allow Changes]:**

- **Do Not Allow**
- **Insert, Delete, or Rotate Pages**

Cause	[Reader Extensions] and [Encrypted PDF] are specified, and [Do Not Allow] or [Insert,Delete, or Rotate Pages] is selected in [Allow Changes].
Remedy	Select an item other than [Insert,Delete, or Rotate Pages] in [Allow Changes].

**Cannot set multiple addresses for the [Reply To].**

Cause	When creating/editing a flow, you tried to specify multiple addresses in [Reply to] under [Send] for the [Output] process.
Remedy	Specify only one address in [Reply to]. You cannot specify multiple addresses in [Reply to].

**Cannot set multiple addresses for the [Job Done Notice].**

Cause	When creating/editing a flow, you tried to specify multiple addresses in [Job Done Notice] under [Send] for the [Output] process.
Remedy	Specify only one address in [Job Done Notice]. You cannot specify multiple addresses in [Job Done Notice].

**The following characters cannot be used for the entered value:**

" & ' \* / : < > ? \ |

Cause	The following characters were used in the specified item. " & ' * / : < > ? \
Remedy	Specify the item using the characters that are allowed.

**Cannot specify a character string with space only for the entered value.**

Cause	You tried to register settings composed entirely of blank spaces.
Remedy	Specify the settings properly.

**Documents in the CMYK format can only be printed in the [Auto-Color Select] mode. Select a different document, or change the color mode to [Auto-Color Select].**

Cause	[OK] was clicked when the CMYK format of documents was selected for flows and the specified color mode was not set to [Auto-Color Select].
Remedy 1	Select a format other than the CMYK format documents for flows, and then perform the operation again.
Remedy 2	Select [Auto-Color Select] for the color mode, and then perform the operation again.

**The [Saddle Stitch] is set as the [Staple + Collate] position in [Finishing]. Set [2-sided print] to enable this setting.**

Cause	[OK] was clicked when [2-Sided print] was deselected while [Saddle stitch] is set as the [Staple + Collate] position in [Finishing].
Remedy	If [Saddle stitch] is set as the [Staple + Collate] position in [Finishing] in [Print], select [2-Sided print].

**The same print position is set for the [Page Numbering] and [Copy Set Numbering]. Do you want to continue the process with this setting?**

Cause	The same printing position is specified for both [Page Numbering] and [Copy Set Numbering] in [Print].
Remedy	After confirming the settings, click [Yes] to continue printing with the specified settings, or click [No] to specify the settings for the printing position again.

**Cannot make settings because documents with resolutions other than 600x600 dpi or 1200x1200 dpi are selected for the user inbox document.**

Cause	You tried to set [Page Numbering] or [Copy Set Numbering] in [Print] while a resolution other than 600 X 600 dpi or 1200 X 1200 dpi was selected in [User Inbox Document].
Remedy	To set [Page Numbering] or [Copy Set Numbering] in [Print], select documents resolutions of 600 X 600 dpi or 1200 X 1200 dpi.

**Cannot make booklet settings because scan or the user inbox document is not set.**

Cause	You tried to set [Booklet] in [Print] while [Scan] and [User Inbox Document] in [Input] is not set.
Remedy	Set [Booklet] in [Print] after setting [Scan] or [User Inbox Document] in [Input].

**Cannot set the booklet on the print function because booklet scanning is not set on the scan function.**

Cause	You tried to set [Booklet] in [Print] when [Scan] was not set to booklet scanning.
Remedy	To specify [Booklet] in [Print], set [Scan] to booklet scanning.

**Cannot make booklet settings because the record size of the documents selected for the user inbox documents are different.**

Cause	You tried to set [Booklet] in [Print] while documents of different record sizes are selected in [User Inbox Document].
Remedy	To set [Booklet] in [Print], select documents of the same record size.

**Cannot configure settings because the user inbox document information could not be acquired properly.**

Cause	You tried to set [Page Numbering], [Copy Set Numbering] or [Booklet] in [Print] as the target inbox document while the inbox information could not be retrieved from the device.
Remedy	Perform the operation again after retrieving inbox information from the device.

**Cannot make booklet settings because the documents are not recorded in the following sizes that exist in the selected document list.**  
**A4, A4R, B5, B5R, A5, A5R, LTR, LTRR, STMT, STMTR**

Cause	You tried to set [Booklet] in [Print] when a document that was not recorded in a size available to be printed as a booklet was selected.
Remedy	Select a document recorded in a size that can be printed as a booklet, and then select [Booklet] in [Print] again.

**MEAP Connectors are not set. Set MEAP Connectors in the list to use MEAP Connector function.**

Cause	You tried to finish editing the [MEAP Connector] page with [Use MEAP Connector function] selected, but without adding MEAP Connectors to the list.
Remedy 1	Finish the editing after adding MEAP Connectors to the list.
Remedy 2	Finish the editing after deselecting [Use MEAP Connector function].

**MEAP Connector setting information deleted because of one of the following:**

- MEAP Connector that is not registered on this computer is set in the flow.**
- Association between MEAP Connector and target is incorrect.**
- MEAP Connector that is set in the flow is a different file version to the MEAP Connector registered on this computer.**
- MEAP Connector that is set in Favorites is a different file version to the MEAP Connector registered on this computer.**

Cause 1	A MEAP Connector not registered in the iW Function Flow Editor you are using is set in the flow.
Remedy	Set a MEAP Connector registered in the iW Function Flow Editor you are using in the flow.
Cause 2	A MEAP Connector associated with a different target is set in the flow.
Remedy	Set a MEAP Connector associated with the target currently being edited.
Cause 3	A MEAP Connector with a different file version to the one registered in the iW Function Flow Editor you are using is set in the flow.
Remedy	Set a MEAP Connector with the same file version as the one registered in the iW Function Flow Editor you are using in the flow.

Cause 4	A pattern not registered in the MEAP Connector you are using is set in the flow.
Remedy	Set a pattern for the MEAP Connector registered in the iW Function Flow Editor you are using in the flow.

### **MEAP Connector setting information deleted because there will be over 20 MEAP Connectors set in this flow.**

Cause	You tried to display the [MEAP Connector] page with a flow that has too many MEAP Connectors set.
Remedy	Set the MEAP Connectors again.

### **You can register up to 20 MEAP Connectors in the flow.**

Cause	You tried to register a MEAP Connector when the maximum number of MEAP Connectors is already set.
Remedy	Delete unnecessary MEAP Connectors, and perform the operation again.

### **Are you sure you want to delete the selected MEAP Connector setting information?**

Cause	This is a confirmation message displayed when you select to delete MEAP Connectors from a flow.
Remedy	After confirming, click [Yes] or [No].

# Communication Log Error Code List

If communication cannot be established between iW Function Flow Editor and the target, an error code is displayed in [Result] of the [Communication Log Details] dialog box. Perform the necessary procedures to handle the error codes displayed.

## 100

Status	The correct authentication information was not specified when establishing a connection with the device.
Remedy	Specify the correct authentication information, and establish a connection with the device again.

## 101

Status 1	The device is being shutdown, or the screen confirming shutdown is displayed on the device when establishing a connection with the device.
Remedy	Confirm that the device is running, and establish a connection with the device again.
Status 2	The other Device Information Delivery Settings are being executed on the device when establishing a connection with the device.
Remedy	Confirm that any Device Information Delivery Settings are stopped, and establish a connection with the device again.

## 102

Status 1	The [Settings/Registration] screen or the [Additional Functions] screen of the device is being operated, or the address book screen is being operated when retrieving device configuration information.
Remedy	Confirm that the [Settings/Registration] screen, the [Additional Functions] screen, or the address book screen is closed, and try retrieving the device configuration information again.
Status 2	The [Settings/Registration] screen or the [Additional Functions] screen of the device was being operated when accessing/downloading/uploading flows.
Remedy	Confirm that the [Settings/Registration] screen or the [Additional Functions] screen is closed, and try viewing/downloading/uploading the flows again.

## 109

Status	An error occurred on the device when establishing a connection.
Remedy	Confirm the device status, such as whether the Device Information Delivery Settings function in [iW Function Flow] can be used, or whether iW Function Flow is started.

## 504

Status	The number of flows that can be registered on the target is exceeded when uploading flows to the target.
Remedy	Reduce the number of flows registered, or flows to be uploaded to the target, and upload the flows again.

## 600

Status	A network error occurred when establishing a connection with the target.
Remedy 1	Confirm the IP address of the target.
Remedy 2	Confirm that the power of the device is ON.
Remedy 3	Confirm that the network cable is connected correctly.

## 601

Status	iW Function Flow Editor timed out when establishing a connection with the target.
Remedy	Restart the computer iW Function Flow Editor is installed, and establish a connection with the target again.

## 602

Status	[Cancel] was clicked in the message confirming whether to overwrite the flow when downloading flows.
Remedy	After confirming, download the flows again as necessary.

## 604

Status	The maximum number of flows that can be registered was reached when downloading flows.
Remedy	After deleting unnecessary flows, perform the operation again.

## 606

Status	The flow was deleted from the target when downloading flows.
Remedy	Confirm the user that deleted the flow from the target as necessary.

## 609

Status	An error occurred in iW Function Flow Editor when establishing a connection with the target.
Remedy	Restart the computer, and perform the operation again.



**Canon**