

RICOH Smart Operation Panel Designer
User Guide
Version: 1.32

February 17, 2017

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1. Operating Environment

1-1. Operating System

Smart Operation Panel (SOP) Designer supports the following operating systems:

- Windows 7 (32bit, 64bit)
- Windows 8.1 (32bit, 64bit)
- Windows 10 (32bit, 64bit)

1-2. Required Library

Microsoft Visual C++ 2008 Redistributable -9.0.30729.6161 is required. If SOP Designer fails to start with "side-by-side configuration is incorrect" error, please install the Microsoft Visual C++ 2008 Redistributable Package (x86) from the following URL.

<https://www.microsoft.com/en-US/download/details.aspx?id=26368>

Please be sure to install vcredist_**x86**.exe even if your PC runs 64-bit OS. Because the SOP Designer is a 32-bit application, it uses the 32-bit version of the Visual C++ module.

1-3. Supported Language

English, German, French, Italian, Spanish, Dutch

1-4. Supported Models

SOP 1st generation (G1) models

- MP C4503Z Series / MP C5503Z Series / MP C6003Z Series
- MP C3003Z Series / MP C3503Z Series
- MP C2003Z SP / MP C2503Z SP
- MP 2553Z SP / MP 3053Z SP / MP 3353Z SP
- MP C401 SRSP
- MP 2554ZSP / MP 3054ZSP / MP 3554ZSP / MP 4054AZSP / MP 5054AZSP / MP 6054ZSP

SOP 2nd generation (G2) models

- MP C306ZSP / MP C406ZSP
- MP 305+
- MP C4504 Series / MP C5504 Series / MP C6004 Series
- MP C3004 Series / MP C3504 Series
- MP 6503SP / MP 7503SP / MP 9003SP
- MP 402SPF
- MP 501SPF / MP 601SPF
- MP C6503 / MP C8003 / Pro C5200S / Pro C5210S
- MP C2004 / MP C2504 **(New in Version 1.32)**
- MP 2555 / MP 3055 / MP 3555 / MP 4055 / MP 5055 / MP 6055 **(New in Version 1.32)**
- MP C307 / MP C407 **(New in Version 1.32)**

Note: Ensure that Firmware is up to date. Please refer to the overview below for minimal firmware levels.

G1 models

Model	SOP	System/Copy	Network Support	NetworkDoc Box	Java VM
MP C4503Z Series MP C5503Z Series MP C6003Z Series	Firmware V1.34, SDKService V1.04.00	V3.15	V12.89	V2.06	V11.24.02
MP C3003Z Series MP C3503Z Series	Same as above	V3.14	V12.89	V2.06	V11.24.02
MP C2003Z SP MP C2503Z SP	Same as above	V2.14	V12.89	V1.04	V11.24.02
MP 2553Z SP MP 3053Z SP MP 3353Z SP	Same as above	V1.12	V12.89	V1.03	V11.24.02
MP 2554ZSP MP 3054ZSP MP 3554ZSP MP 4054AZSP MP 5054AZSP MP 6054ZSP	Same as above	V1.15	V14.28	V1.03	V12.06.01
MP C401 SRSP	Same as above	V1.06	V13.63	V1.03	V12.04.09

G2 models

Model	SOP	System/Copy
MP C306ZSP MP C406ZSP	Application Site V1.02.02	V1.02
MP 305+	Application Site V1.02.02	-

Firmware version update is not necessary for models other than those listed above.

2. Features

Features of SOP Designer

This PC tool supports the following features.

- Obtain machine settings data via network
- Customize SOP Home screens
 1. Change wallpaper
 2. Change layout *1
 3. Add/Remove application icons
 4. Add/Remove/Edit browser shortcuts
 5. Change Function Priority setting
- Write customized settings data to machine via network
- Save/Open settings data
- Install/Update/Uninstall SendMeter application, Contact Information application and Bulletin Widget
- Configure SendMeter application, Contact Information application and Bulletin Widget

*1: Location of application icons, widgets, and shortcut icons can be changed.

Features of SendMeter application

This SOP application supports the following features.

- Show counter information
- Send an email which contains counter information

This SOP application supports the following SMTP server for business. **(New in Version 1.32)**

- Gmail SMTP server (SMTP over TLS (port 587) or SSL (port 465))
- Office 365 SMTP server (SMTP over TLS (port 587 or 25))

Note: SSL3.0/TLS1.0/TLS1.1/TLS1.2 are supported.

Features of Contact Information application

This SOP application supports the following features.

- Show the contact information.

Features of Bulletin Widget

This SOP application supports the following features.

- Show messages in widget. (Maximum 10 messages)
- Show the messages on events (start/end time, or machine condition)
- Can include URL link for more information.

3. SOP Designer

3-1. Important Notes

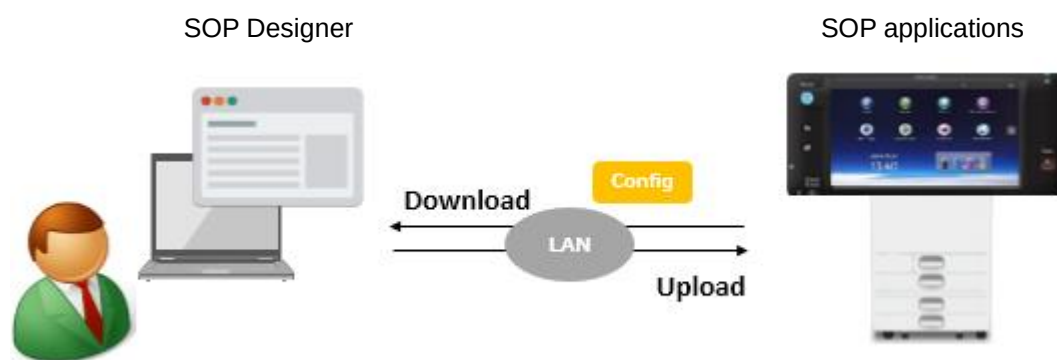
- **Settings must be written to the device of the same model and with the same configuration.**
- **When obtaining settings data from a machine, it is recommended to make a backup of the data obtained.**
This enables resetting SOP to the state before customization without connecting to the machine. For the procedure to make backup data, see the section "3-6. Save/Open Settings Data".
- After uploading settings data of wallpaper and layout to a machine, the SOP restarts.
In addition, the machine (GW Controller) restarts when the machine is G2 model.
- After successful installation of SOP applications, the SOP will be rebooted in order to start the SOP application.
- Removing an icon on SOP Designer does not uninstall the application.
- **Do not edit the settings data (JSON file) for Config File Server, which is created by SOP Designer.**
For the procedure to create the settings data, see the section "7. Prepare Config File Server for the SOP applications"

3-2. Limitations

- SOP Designer does not support customization of the panel if it has folders.
Icons in the folder will disappear after uploading wallpaper data and layout.
- SOP Designer does not support SOP customization if a customized Home application is installed.
- The names of a widget developed by RiDP partners are displayed as "NoName".
- When starting to upload, a progress dialog appears on the machine. However, the value of the progress percentage does not increase (remains at "0%").
When uploading is complete, "Finish" appears on the dialog.
- When uploading settings data to a machine, SOP Designer uploads some setting data related to Home screens as well as the customized data. Therefore, if any settings changed before uploading the customized data might be come back to previous settings.
- A shortcut name may appear differently between the actual SOP and SOP Designer.
Check the actual names displayed on the SOP.
For example, if a shortcut name contains a space, justification may differ between the actual SOP and SOP Designer. Also, if a shortcut name is very long, the name appears as "..." on SOP Designer.
However, on the SOP, the name appearance depends on the specification of the control panel.

- On SOP Designer, if an application icon is removed from Home screen once, this application icon may no longer be added on Home screen. In such case, obtain settings data from machine once again and add the icon.
- The following applications cannot be added (cannot be displayed on the App List) due to the machine's specification:
 - Web Browser
 - User Guide
 - Gallery
- The following applications cannot be removed due to the machine's specification:
 - User Tools
 - Screen Features
 - Address Book Management
- When you open "Add App Icon" dialog or "Set Function Priority" dialog, you may see a question mark icon. This is because SOP Designer could not obtain the icons for some applications (e.g. "Printer"). Although SOP Designer displays the question mark icon, the SOP displays the correct application icon after the wallpaper and layout data is uploaded to the panel.
Install SOP Designer Utility or SendMeter to resolve this issue. They will inform the missing data to SOP Designer.
- When you uninstall the SOP application, even if the application is not installed, you can conduct uninstallation and you will see "Success" result on SOP Designer.
- When you install/uninstall the SOP application, installation/uninstallation will probably fail if the machine is in "offline mode".
example of "offline mode"
 - Displaying "System Settings" menu on the machine
 - Preparing reboot of the machine
 - Applying the machine settings configured by other PC remotely
 - Downloading Address Book of the machine by other PC remotely
- When download of wallpaper and layout data is completed, you might see icon names on SOP Designer in different language from the SOP. This is due to the panel's inconsistency.
This symptom does not have negative influence, but conduct the following to resolve it if necessary.
 - G1 models: "Screen Features" - "Screen Device Settings" - "Initialize Screen Features Settings"
 - G2 models: "User Tools" - "Screen Features" - "Screen Device Settings" - "Initialize Screen Features Settings"

3-3. Typical Operation Flow



Configuration diagram

You can customize the SOP in the following operations.

1. Obtain the SOP configuration data from the machine.

You can obtain the configuration data by downloading it over the network.

You can save the initial configuration data as a snapshot.

Instead of getting the initial configuration data from the machine, you can start the customization from previously saved snapshot data.

2. Customize

You can move or delete the icons and widgets by drag-and-drop, or selecting the operation in the menu that appears with the right-click on icons.

To drag-and-drop the icons, you need to hold the left mouse button pressed for about a second, until other icons are dimmed.

You can save the customized configuration data as a snapshot.

3. Set the SOP configuration data to the machine's SOP

You can apply the customized configuration data by uploading the configuration data to the SOP over the network.

3-4. Start SOP Designer

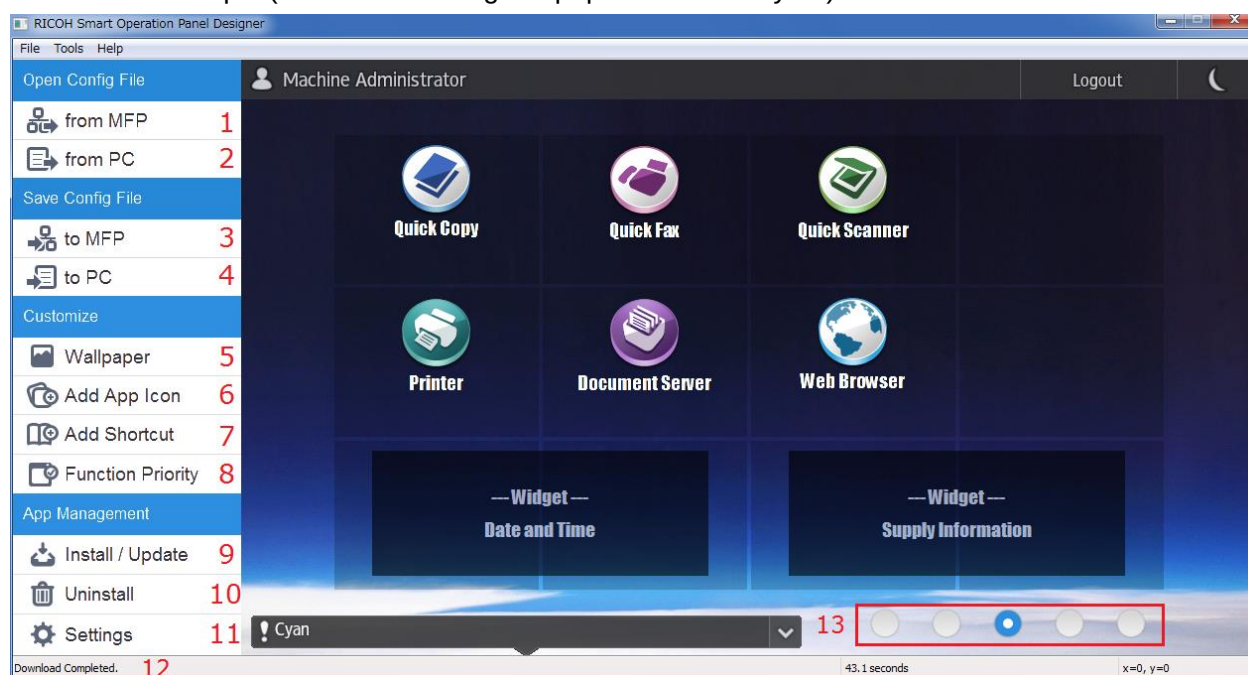
1. Copy "RICOH Smart Operation Panel Designer V1.xx.zip" to your PC.

2. Unzip the zip file to any directory.

If an older version of "SOP_Designer.exe" exists, it is recommended to replace it with the new version for continuous use.

3. Run "SOP_Designer.exe".

Main screen sample (after downloading wallpaper data and layout)



Features for corresponding numbers:

No.	Feature	Description
1	Open Config File from MFP	Downloads machine settings data.
2	Open Config File from PC	Opens local saved configuration.
3	Save Config File to MFP	Uploads machine settings data.
4	Save Config File to PC	Saves settings data.
5	Wallpaper	Changes wallpaper.
6	Add App Icon	Adds application icons.
7	Add Shortcut	Adds browser shortcuts.
8	Function Priority	Set Function Priority
9	Install / Update	Installs SOP applications which are contained in SOP_Designer.exe.
10	Uninstall	Uninstalls the SOP applications.
11	Settings	Configures the SOP applications.
12	Status bar	Displays progress status and feedback messages.
13	Screen switching	Switches the Home screen. The screen can also be switched by dragging with mouse.

3-5. Basic Flow of Download/Upload Machine Settings Data

Machine Settings

- Network Connection Setting

Connect machine and your PC on LAN network.

- Network User Tools Setting

"Machine Management" - "Administrator Authentication Management" must be "On".

G1 models: "User Tools" - "System Settings" - "Administrator Tools" - "Administrator Authentication Management" - "Machine Management"

G2 models: "User Tools" - "Machine Features" - "System Settings" - "Administrator Tools" - "Administrator Authentication Management" - "Machine Management"

Note: On G2 models, this setting is necessary only for uploading Function Priority.

- Check SP Setting

Check SP values have the following initial values:

SP5728-001: 49101

SP5728-002: 55101

Download machine settings data

1. Start SOP Designer
2. Select "Open Config File" - "from MFP"
3. Check any checkbox of the following items.
 - Wallpaper, Layout and App List
 - Function Priority
 - SendMeter Config
 - Contact Information Config
 - Bulletin Config

Enter machine's IP address, machine administrator's user name and password.

4. Press the "Download" button.

Upload settings data to machine

1. Select "Save Config File" - "to MFP"
2. Check any checkbox of the following items.
 - Wallpaper, Layout
 - Function Priority
 - SendMeter Config
 - Contact Information Config
 - Bulletin Config

Enter machine's IP address, machine administrator's user name and password.

Note: Config data can be uploaded to multiple machines **up to 100. (Increased in Version 1.32)**

The data is not uploaded to a machine when adding "#" to the machine's IP address.

3. Press the "Upload" button.

Regarding "SendMeter Config", "Contact Information Config", "Bulletin Config" and "Function Priority", see sections 3-12, 3-13, 3-14 and 3-15 for details.

3-6. Save/Open Settings Data

Save

1. Select "Save Config File" - "to PC"
2. Specify the location to save data.
*The file name can be changed. Extension is "RDT_CFG".

Open

1. Select "Open Config File" - "from PC"
2. Select saved configuration.

3-7. Customize - Wallpaper -

Change/Save wallpaper

1. Select "Customize" - "Wallpaper"
2. Press the "Load/Save" button.

Note: Recommended image size is 1024 x 600 pixel for G1 models, and is 1024 x 560 pixel for G2 models. This is due to the upper & lower bar of the G2 panel.

3-8. Customize - Layout -

Move an icon within a same screen

1. Select an icon (press and hold).
2. Drag the icon to change location.

Move an icon to a different screen

1. Select an icon.
2. Right click the icon.
3. Select "Move to ..."

Note: Select the destination screen to move the icon.

3-9. Customize - Add/Remove Application Icons -

Add application icon

1. Select "Customize" - "Add App Icon"
2. On the App List, select the application or widget item to add and drag the icon to a desired location, or double-click the item.

Remove application icon

1. Select an icon to remove.
2. Right click the icon.
3. Select "Remove Item".

3-10. Customize - Add/Remove/Edit Browser Shortcuts -

Add shortcut

1. Select "Customize" - "Add Shortcut".
2. Select URL, Shortcut Name, and Target Browser ("Web Browser" or "Web Browser NX").
3. To change shortcut icon, press the "Load" button and select an image.

Note:

- The maximum number of characters of Shortcut Name is 64.
- You cannot specify the following names to Shortcut Name. If you specify the name, error dialog will appear.
 - User Tools
 - Screen Features
 - Address Book Management
- When using a custom icon image, use a PNG image in 74 x 74 pixel or less.
- "Web Browser NX" is a browser used for solutions.
 - It is recommended to use "Web Browser" for the general web pages.

Remove shortcut

1. Select an icon to remove.
2. Right click the icon.
3. Select "Remove Item".
4. Confirm the dialog message and select "Yes".

Edit shortcut

1. Select an icon to edit.
2. Right click the icon.

3. Select "Edit Item".
4. Same as the procedure to add a shortcut icon (3, 4, and 5).

3-11. Install/Update/Uninstall SOP application

Install/Update

1. Select "App Management" - "Install / Update".
2. Check application checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Install" button.

Uninstall

1. Select "App Management" - "Uninstall".
2. Check application checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Uninstall" button.

Note:

- "SendMeter App" and "SOP Designer Utility" can be installed by the above operations.
"SOP Designer Utility" contains Contact Information application and Bulletin Widget.
- Even if the application is not installed, you can conduct "Uninstall" and you will see "Success" result on SOP Designer.

3-12. Configure SendMeter

Download SendMeter configuration data

1. Select "Open Config File" - "from MFP"
2. Check "SendMeter Config" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Download" button.
4. Proceed to the next step.

Configure SendMeter

1. Select "App Management" - "Settings"
2. Select "SendMeter", press the "Next" button.
3. Configure SendMeter settings.
(Optional) You can specify "Config File Server URL". See the section "7. Prepare Config File Server for the SOP applications" for details.

Settings sample

Note:
Specify email address, interval and Config File Server information.
Customer ID will be included in the email subject.

Destination Email Address

To (Max 3)
user@example.ricoh.com

CC (Max 5)

Sender Email Address
SOP0001@example.ricoh.com

Customer ID
30032016-0800

Config File Server URL

Server Polling Interval (hours)
0.5

Email Language
English

Interval
☐ Weekly
☒ Monthly
☐ Quarterly
☐ Twice a year
☐ Once a year
☐ Every x days
☐ Off

Time
08:00

Month Day
1

Setting Options (MFP Application)
☐ Prohibit
☐ Allow CC configuration only
☒ Allow all configurations

Counter Mode
☒ Same as User Tools Counters
☐ All

Back Cancel OK

4. Press the "OK" button.
5. Proceed to the next step.

Upload SendMeter configuration data

1. Select "Save Config File" - "to MFP"
2. Check "SendMeter Config" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Upload" button.

3-13. Configure Contact Information

Download Contact Information configuration data

1. Select "Open Config File" - "from MFP"
2. Check "Contact Information Config" checkbox.
Enter machine's IP address, machine administrator's user name and password.

3. Press the "Download" button.
4. Proceed to the next step.

Configure Contact Information

1. Select "App Management" - "Settings"
2. Select "Contact Information", press the "Next" button.
3. Configure Contact Information settings. Up to 1920 characters can be entered here. However, the message on the SOP may be cut off due to the machine's font specification.
Supported image formats are PNG, JPEG, and BMP.

Note: Regarding specification of image, display area on the SOP is 1024 x 292 pixel.

Although you can specify a larger image than the area, the image will be reduced keeping its aspect ratio. The "Invalid image width and height to use." error dialog may appear if you specify very thin image (e.g. 1280 x 1 pixel) because the image width or height became 0 after the size was reduced.

(Optional) You can specify "Config File Server URL". See the section "7. Prepare Config File Server for the SOP applications" for details.

Settings sample

Settings of Contact Information

Message

This is a sample.
Your partner: Ricoh
Tel: 01-2345-6789
Email: contact@example.ricoh.com

Load image file...

Display Method

☒ Image and Text
☐ Text Only

Config File Server URL

Server Polling Interval (hours) 0.5

Back Cancel OK

4. Press the "OK" button.
5. Proceed to the next step.

Upload Contact Information configuration data

1. Select "Save Config File" - "to MFP"
2. Check "Contact Information Config" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Upload" button.

3-14. Configure Bulletin Widget

Download Bulletin configuration data

1. Select "Open Config File" - "from MFP"
2. Check "Bulletin Config" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Download" button.
4. Proceed to the next step.

Configure Bulletin

1. Select "App Management" - "Settings"
2. Select "Bulletin", press the "Next" button.
3. Press the "Add" button to create new message settings. 10 messages can be set.
4. Configure Message settings. Up to 720 characters can be entered here. However, the message on the SOP may be cut off due to the machine's font specification.
Supported image formats are PNG, JPEG, and BMP.

Note: Regarding specification of image, display area on the SOP is 412 x 145 pixel.

Although you can specify a larger image than the area, the image will be reduced keeping its aspect ratio. The "Invalid image width and height to use." error dialog may appear if you specify very thin image (e.g. 1280 x 1 pixel) because the image width or height became 0 after the size was reduced.

Regarding specification of schedule, if you set both of "Begin Time" and "End Time" to "00:00", the specified message will not be displayed on the SOP.

Entire day is 00:00 - 23:59.

5. Complete Bulletin settings.
(Optional) You can specify "Config File Server URL". See the section "7. Prepare Config File Server for the SOP applications" for details.

Settings sample for plain text message (URL is blank.)

Bulletin Message

Type of Message

☒ Text☐ Image

Message

This is a sample message.

Image

Remove image

Load image file...

URL (optional)

Schedule

☒ Daily☐ Weekly☐ Monthly☐ Customized☐ On toner warning☐ On other warning☐ On toner error☐ On other error☐ On no paper warning

Begin Time

00:00

End Time

23:59

Cancel

OK

Settings sample for text with URL link

Bulletin Message

Type of Message

☒ Text☐ Image

Message

This is a sample message with a URL link.
Please tap here to connect to the web site.

Image

Remove image

Load image file...

URL (optional)

http://www.ricoh.com/

Schedule

☒ Daily☐ Weekly☐ Monthly☐ Customized☐ On toner warning☐ On other warning☐ On toner error☐ On other error☐ On no paper warning

Begin Time

00:00

End Time

23:59

Cancel

OK

Settings sample for image with URL link

Bulletin Message

Type of Message
☐ Text ☒ Image

Message

Image

Schedule
☒ Daily
☐ Weekly
☐ Monthly
☐ Customized
☐ On toner warning
☐ On other warning
☐ On toner error
☐ On other error
☐ On no paper warning

Begin Time
00:00

End Time
23:59

Remove image

Load image file...

URL (optional)
http://www.bulletin.example.com

Cancel OK

Settings sample to hide the frame border

Settings of Bulletin

Message List

#	Message	URL	Schedule
1		http://www...	Daily(00:00 ~ 23:59)

Message Switching Interval (seconds) 10

Remove Edit Add

Message Color
Background Color Font Color

Frame Border
☐ Display ☒ Hide

Config File Server URL

Server Polling Interval (hours) 0.5

Back Cancel OK

- 6. Press the "OK" button.
- 7. Proceed to the next step.

Upload Bulletin configuration data

1. Select "Save Config File" - "to MFP"
2. Check "Bulletin Config" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Upload" button.

3-15. Change Function Priority Setting

Download Function Priority configuration data

1. Select "Open Config File" - "from MFP"
2. Check "Function Priority" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Download" button.
4. Proceed to the next step.

Change Function Priority setting

1. Select "Customize" - "Function Priority"
2. Select application from list and press the "Set Priority" button.
3. Press the "OK" button.
4. Proceed to the next step.

Upload Function Priority configuration data

1. Select "Save Config File" - "to MFP"
2. Check "Function Priority" checkbox.
Enter machine's IP address, machine administrator's user name and password.
3. Press the "Upload" button.

3-16. Obtain SOP application log

SOP application log in your inquiry may be helpful in case of SOP application trouble.

Obtain the SOP application log

1. Click "Tools" > "Get App Log", and select the following item.
 - SendMeter
 - SOP Designer Utility
 - All

2. Enter machine's IP address.
3. Enter file name.

Obtain the email history of SendMeter application

1. Click "Tools" > "Get Email History".
2. Enter machine's IP address.
3. Enter file name.

3-17. Change UI language

You can change the language of SOP Designer independently from Windows display language. **(New in Version 1.32)**

Change UI language

1. Click "Tools" > "Change Language", and select the following item.
 - System Language (Same as Windows display language)
 - English
 - Français
 - Deutsch
 - Italiano
 - Español
 - Nederlands
2. Restart SOP Designer.

4. SendMeter

4-1. Limitation

- Even if you set "Counter Mode" to "Same as User Tools Counters" on SOP Designer, all meter information (32 items) is displayed on the SOP of **G1 models** due to the machine's specification.

- For **specific G1 models** below, please set "User Management" of "Administrator Authentication Management" to "Off".

If "User Management" is "On", SendMeter application cannot access the meter information unless the administrator is logged in on the panel.

- MP 2553Z SP / MP 3053Z SP / MP 3353Z SP
- MP C401 SRSP

4-2. Start SendMeter

Machine Setting

Configure "SMTP Server", "SMTP Authentication", and "POP before SMTP" according to your environment.

G1 models: "User Tools" - "System Settings" - "File Transfer"

G2 models: "User Tools" - "Machine Features" - "System Settings" - "File Transfer"

Start SendMeter

1. Open application list screen on the machine.
2. Tap SendMeter icon.

Top screen sample (logged in as a Machine Administrator)

View Counter Info

Color Printer	24861	Full Color Copy	13809
Black Copy	14473	Black Printer	5918
Color Total	38670	Black Total	20391

[Email History](#)
[Settings](#)
[Send](#)

Check Status Stop

Note: The "Settings" button is available only when logged in as a Machine Administrator if change of the settings is not prohibited. (The prohibition setting is "Setting Options" in SendMeter settings of SOP Designer. See the section "3-12. Configure SendMeter".)

4-3. Configure

Settings screen#1(sample): One email address is added.

Settings

Cancel OK

Email 1 Email 2 Interval Server

To user@example.ricoh.com

To

To

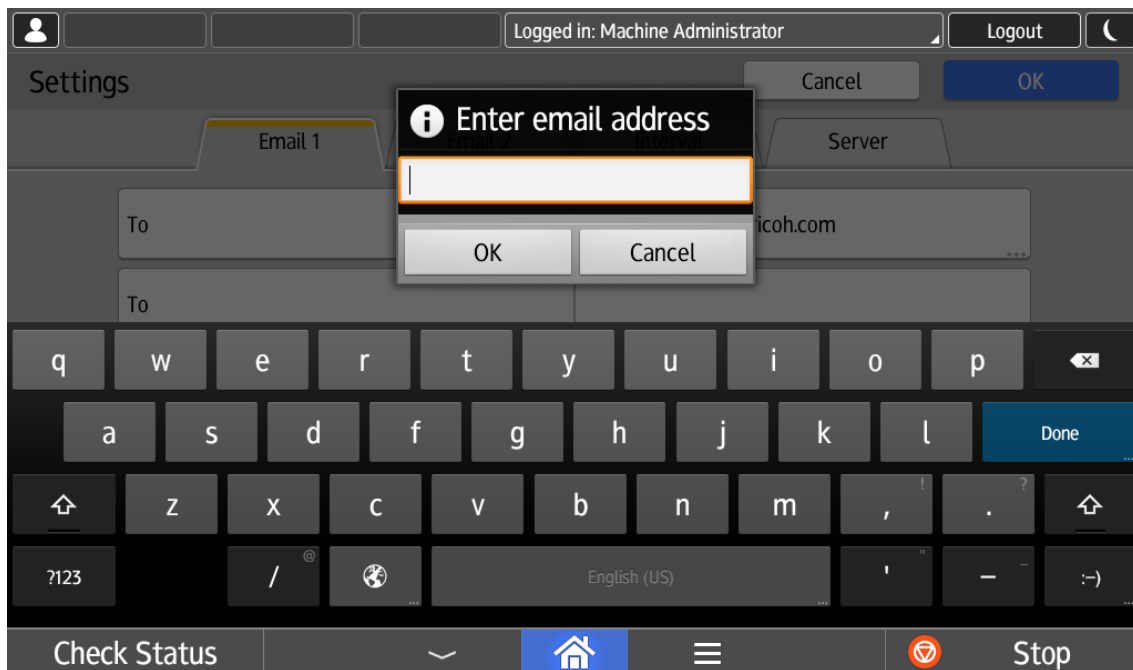
Sender SOP0001@example.ricoh.com

Customer ID 30032016-0800

Email Language English

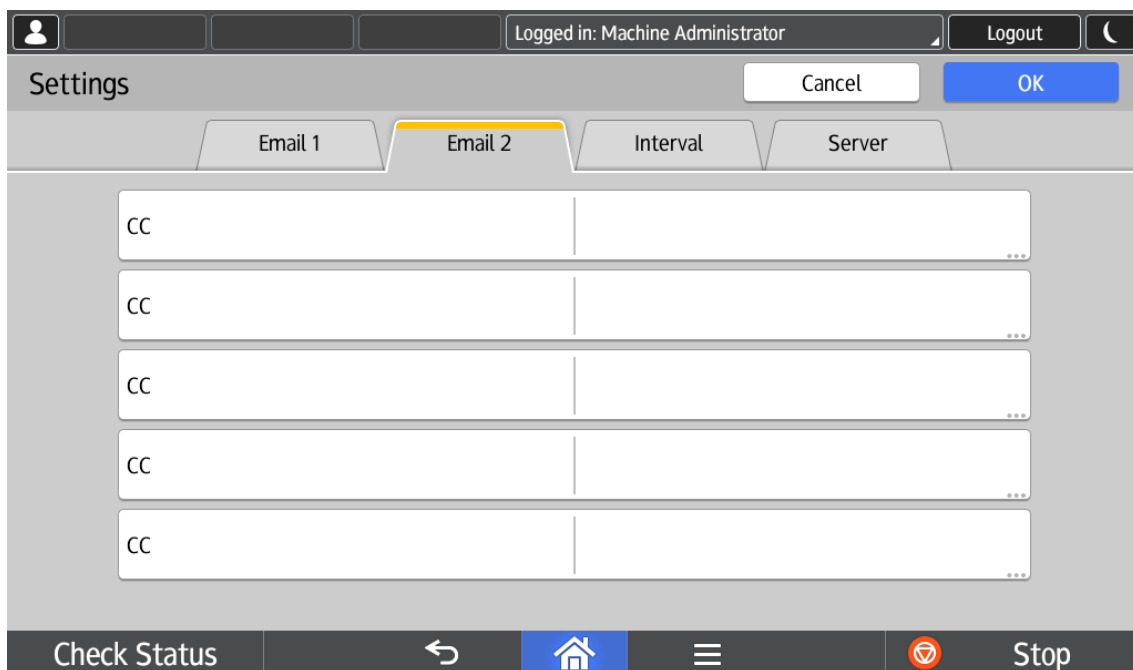
Check Status Stop

Settings screen#1(sample): deleting an email address



1. Tap email address area (e.g. user@example.ricoh.com), input dialog appears.
2. Make it blank, and press the "OK" button.

Settings screen#2(initial screen): email address settings of CC



Settings screen#3(sample): interval set to "Monthly" (Application's default value is "Off")

This screenshot shows the 'Interval' tab of the Settings screen. The top bar includes a user profile icon, a 'Logged in: Machine Administrator' status bar, a 'Logout' button, and a moon icon. The 'Settings' title is on the left, and 'Cancel' and 'OK' buttons are on the right. The 'Interval' tab is selected, showing a list of frequency options on the left: Weekly, Monthly (selected), Quarterly, Twice a year, Once a year, Every x days, and Off. To the right of these options are two input fields: 'Month Day' with the value '1' and 'Time' with the value '08:00'. The bottom navigation bar contains 'Check Status', a back arrow, a home icon, a menu icon, a red circle with a white 'v', and a 'Stop' button.

Frequency	Month Day	Time
☐ Weekly		
☒ Monthly	1	08:00
☐ Quarterly		
☐ Twice a year		
☐ Once a year		
☐ Every x days		
☐ Off		

Settings screen#4(initial screen): Config File Server Settings

This screenshot shows the 'Server' tab of the Settings screen. The top bar is identical to the previous screen. The 'Server' tab is selected, showing a 'URL' input field at the top. Below it is a 'Server Access Interval (hours)' input field with the value '0.5' and a unit of 'hours'. Further down, under the heading 'Counter Mode:', there are two buttons: 'Same as User Tools Counters' (highlighted in yellow) and 'All'. The bottom navigation bar is identical to the previous screen.

Field	Value	Unit
URL		
Server Access Interval (hours)	0.5	hours

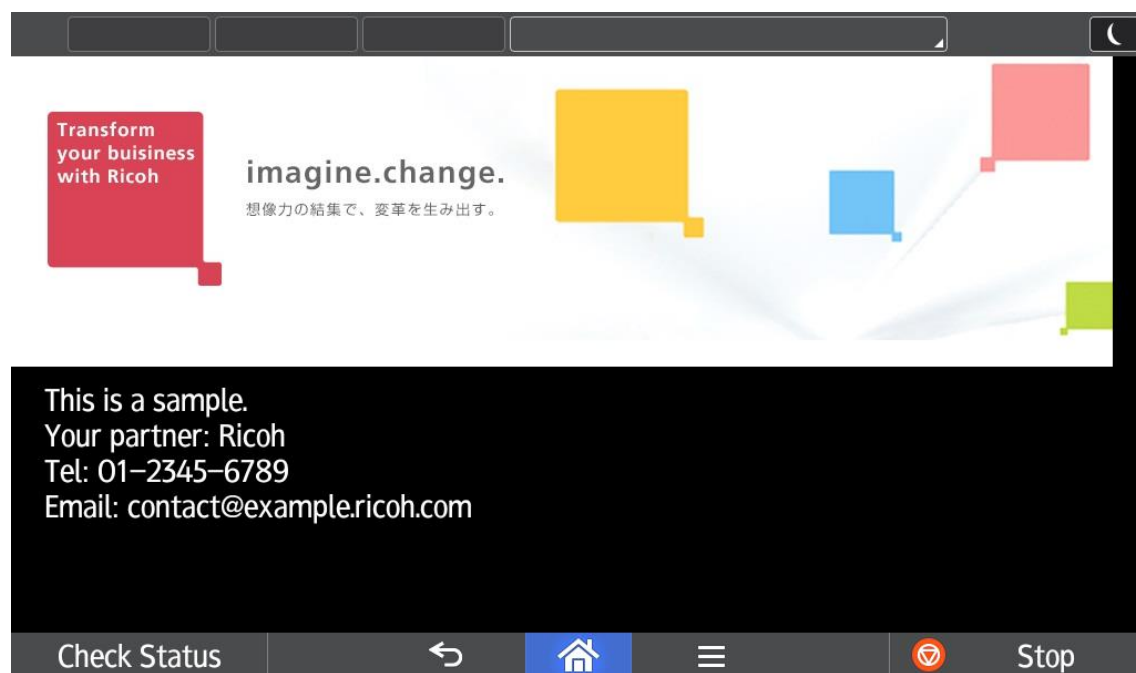
Counter Mode:

5. Contact Information

Start Contact Information

1. Open application list screen on machine.
2. Tap Contact Information icon.

Sample screen



6. Bulletin Widget

Start Bulletin Widget

For G1 models:

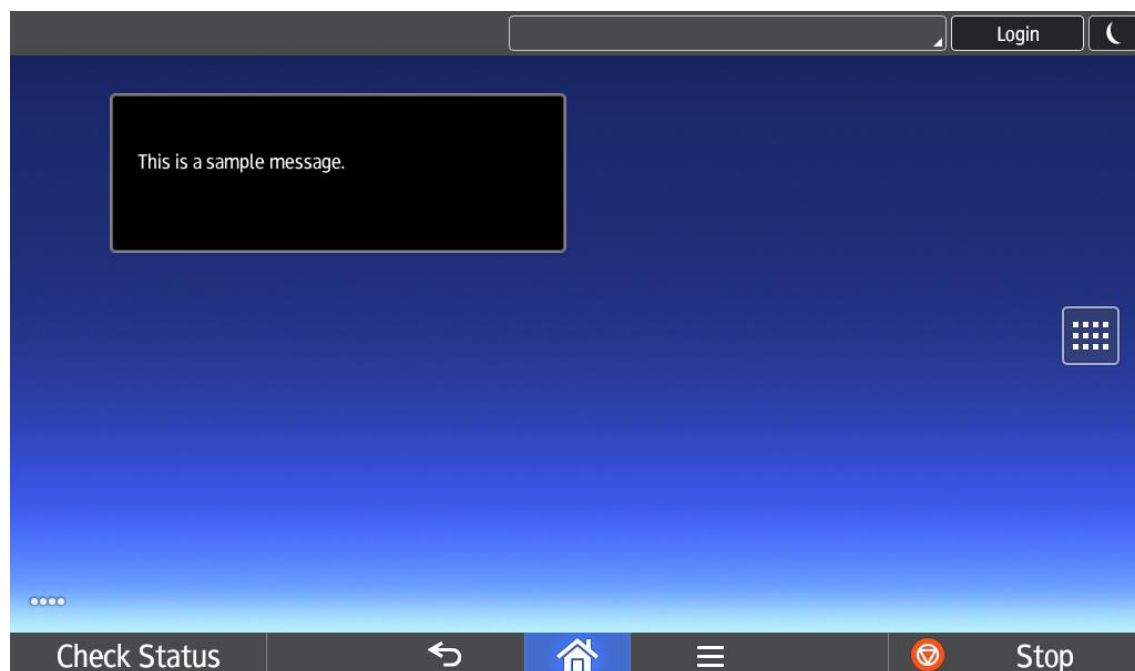
1. Press the empty area without any icons on Home Screen and hold for a few seconds.
2. In "Add to Home" dialog, select "Widget".
3. In "Choose widget" dialog, select "Bulletin Widget".

For G2 models:

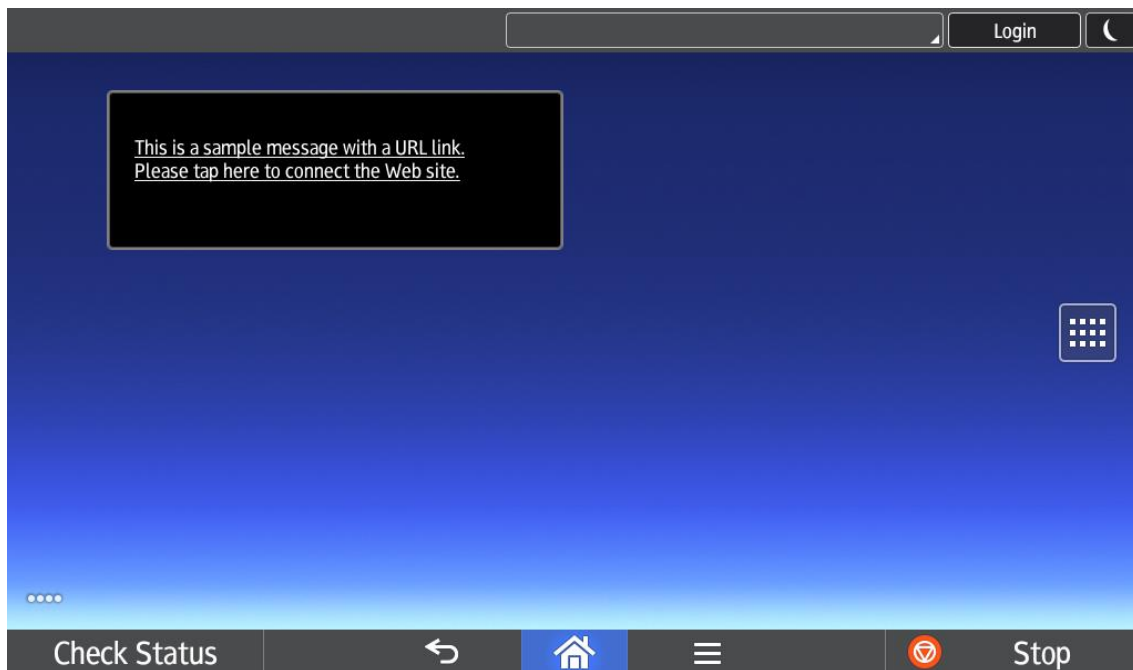
1. Open widget list screen on machine
2. Select "Bulletin Widget" (press and hold)
3. Drag and drop the icon.

Note: When multiple messages are defined, the Bulletin Widget displays the messages one by one at the intervals set by SOP Designer.

Sample screen#1: plain text message



Sample screen#2: text with URL link



Sample screen#3: image without the frame border



7. Prepare Config File Server for the SOP applications

You can use a HTTP server to configure the SOP applications remotely after the first configuration by SOP Designer.

Usage Scenario:

- Update the message on Bulletin Widget monthly.
- Update email address on SendMeter when the contact person is changed.

Create configuration data

*This procedure is performed on SOP Designer.

1. Select "App Management" - "Settings"
2. Select "SendMeter" or "Contact Information" or "Bulletin", press the "Next" button.
3. Configure the settings. Press the "OK" button.
Note: Make sure that "Config File Server URL" is set correctly for continuous update from the server. (e.g. <http://www.example.com/RemoteConfig/SendMeter.json>)
4. Select "App Management" - "Settings"
5. Select the same option as you selected #2 above, press the "Save" button.
A JSON file (e.g. SendMeter.json) will be created.
6. Click the "close" button at the top-right corner of the window.

Copy configuration data to Config File Server's folder

*This procedure is performed on a HTTP server.

1. Start HTTP service (e.g. IIS) on PC which will function as a Config File Server.
2. Copy the JSON file to the Config File Server's folder. (e.g. C:\inetpub\wwwroot\RemoteConfig)
Note: Make sure you can access "Config File Server URL" on another PC's web browser.

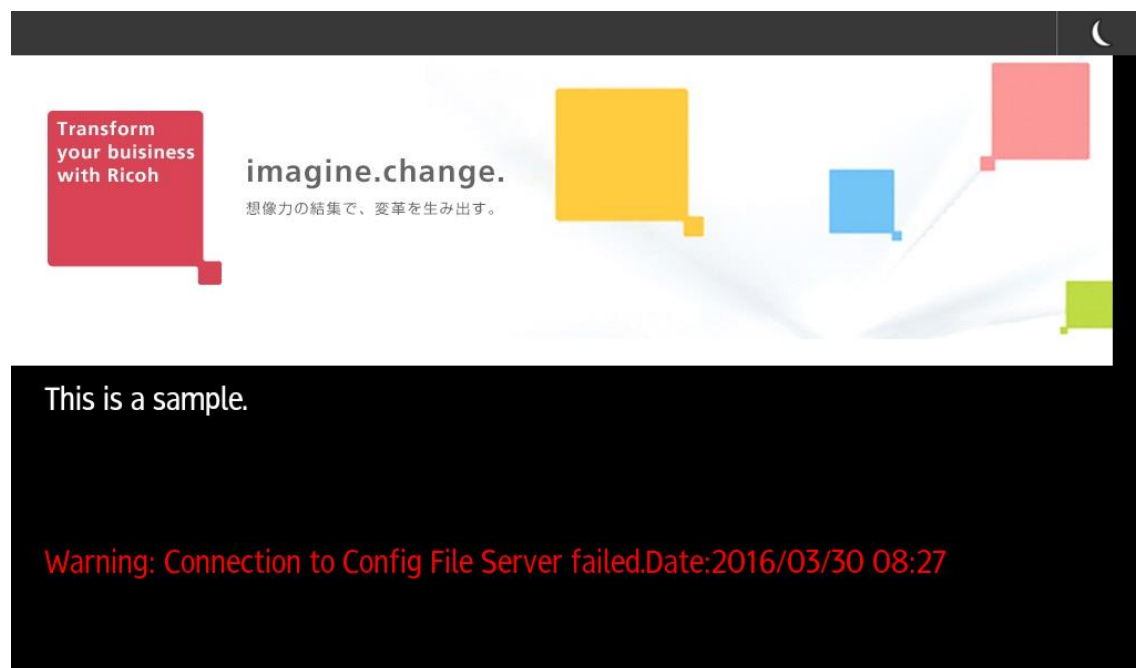
Upload configuration data of server URL

*This procedure is performed on SOP Designer.

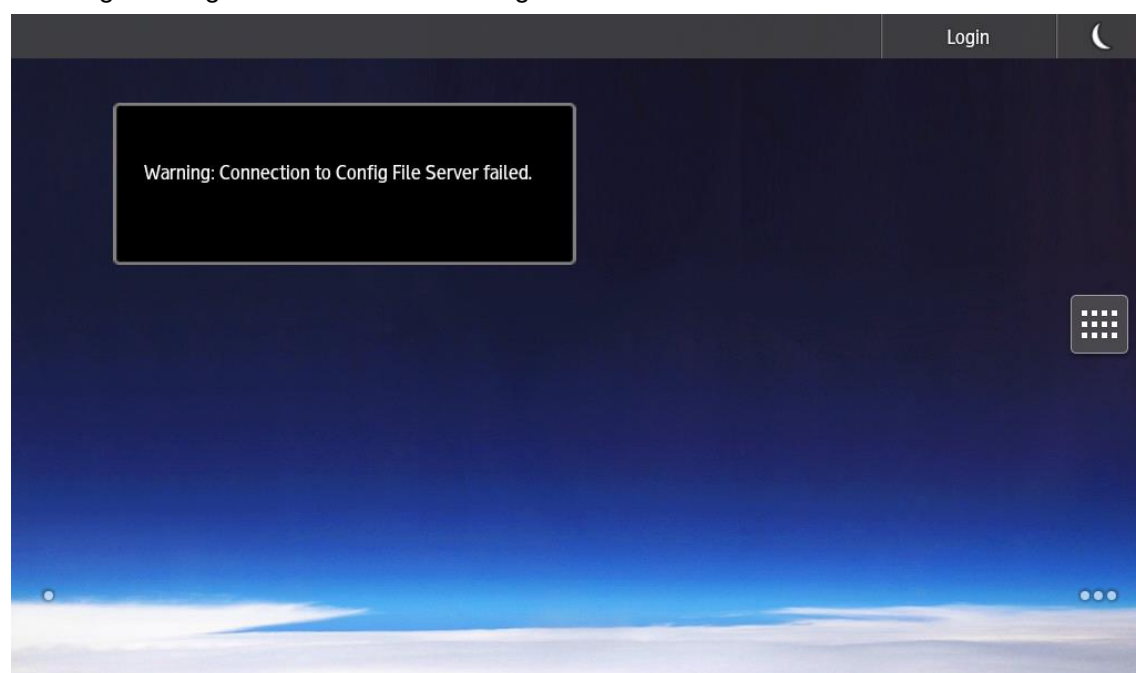
1. Select "App Management" - "Settings"
2. Select "SendMeter" or "Contact Information" or "Bulletin", press the "Next" button.
3. Enter "Config File Server URL". (e.g. <http://www.example.com/RemoteConfig/SendMeter.json>)
Press the "OK" button.
4. Select "Save Config File" - "to MFP"
5. Check the same option as you selected #2 above,
Enter machine's IP address, machine administrator's user name and password.
6. Press the "Upload" button. "Config File Server URL" will be set on the SOP applications.

When Contact Information or Bulletin Widget cannot connect the server, it displays warning message.

Warning message screen of Contact Information



Warning message screen of Bulletin Widget



8. Troubleshooting

SOP Designer

Q. Error occurred while downloading/uploading.

A. Please check the following:

1. Are the machine and the PC connected to network? Can you ping the machine?
2. SOP Designer does not support connecting to a SOP via a proxy server.
3. **Are the machine settings set correctly?**
 - **"Machine Management" of "Administrator Authentication Management" must be "On".**
G1 models: "User Tools" - "System Settings" - "Administrator Tools" - "Administrator Authentication Management" - "Machine Management"
G2 models: "User Tools" - "Machine Features" - "System Settings" - "Administrator Tools" - "Administrator Authentication Management" - "Machine Management"
Note: On G2 models, this setting is necessary only for uploading Function Priority.
 - **"Permit SSL / TLS Communication" must be "Ciphertext/Cleartext".** (Clear text communication must be allowed.)
G1 models: "User Tools" - "System Settings" - "Interface Settings" - "Permit SSL / TLS Communication"
G2 models: "User Tools" - "Machine Features" - "System Settings" - "Interface Settings" - "Permit SSL / TLS Communication".
 - **"Server Function" must be "Active".** (Machine's factory default value is "Active".)
G1 models: "Screen Features" - "Screen Device Settings" - "Server Settings" - "Server Function" - "Server Function"
G2 models: "User Tools" - "Screen Features" - "Screen Device Settings" - "Server Settings" - "Server Function" - "Server Function"
4. **Ensure that users do not log in while uploading data to or downloading data from the machine.**
5. Are SOP Designer settings set correctly?
 - IP address
 - User name & password of the machine administrator
6. Are the firmware of the target machine and SOP on the minimal supported levels? See the section "1-4. Supported Models" regarding system versions.
7. Did you download the data while a folder is added on the machine's Home screen?

Q. SOP Designer does not start.

A. **A library that is required to start the SOP Designer must be installed to your PC.**
For details, see the section "1. Operating Environment"

Q. SOP Designer screen appears being cut off and the entire screen cannot be seen.

A. The size of the SOP Designer is 1260 x 673 pixel. Ensure that the computer on which SOP Designer

is used has a screen resolution which is equal or larger.

Q. Error occurred while installing SOP application.

A. Please check if Java VM is running on the machine. SOP Designer uses Java VM's API for installation.

Q. A question mark icon appears in "Add App Icon" or "Set Function Priority" dialog.

A. Install SOP Designer Utility or SendMeter to resolve this issue. They will inform the missing data to SOP Designer, and the correct application icon will be displayed after re-downloading of Wallpaper or Function Priority.

Note: After successful installation of SOP application, the SOP will be rebooted.

You need to wait for a few minutes after the successful installation, and conduct re-downloading of Wallpaper or Function Priority.

Q. Widgets do not appear in "Add App Icon" dialog.

A. Install SOP Designer Utility or SendMeter to resolve this issue. They will inform widget information to SOP Designer.

Note: After successful installation of SOP application, the SOP will be rebooted.

You need to wait for a few minutes after the successful installation, and conduct re-downloading of Wallpaper.

Q. An Android robot icon appears on the SOP after uploading wallpaper and layout data.

A. This symptom appears in the following conditions.

- An application (e.g. GlobalScan NX) is installed on machine A, but it is not installed on machine B.
- You download wallpaper and layout data from machine A, and upload it to machine B.

Then an Android robot icon appears on machine B.

Please be sure that settings must be written to the device of the same model and with the same configuration including installed applications.

SendMeter

Q. The "Settings" button cannot be seen on SendMeter application.

A. The "Settings" button is available only when logged in as a Machine Administrator if change of the settings is not prohibited. (The prohibition setting is "Setting Options" in SendMeter settings of SOP Designer. See the section "3-12. Configure SendMeter".)

Q. On G1 models, SendMeter cannot show the meter information on the SOP, or SendMeter fails to send the meter information.

A. Please check the following:

1. Are the machine settings set correctly on specific G1 models below?

- Models: MP C401 SRSP, MP 2553Z SP / MP 3053Z SP / MP 3353Z SP
- Settings: "User Management" of "Administrator Authentication Management" must be "Off".
"User Tools" - "System Settings" - "Administrator Tools" - "Administrator Authentication Management" - "User Management"

2. Are the system versions of the other G1 models than above correct?

See the section "1-4. Supported Models" regarding system versions.

- Q. Although "Transmission succeeded." has appeared on the SOP, the meter information email is not delivered to Gmail address.
- A. Specify an email address with customer's domain name for "Sender Email Address". Gmail service will block an email if the domain used in the sender email address is not valid.
- Q. The transmission fails with the "Transmission failed." message on the SOP when Gmail SMTP server or Microsoft Office 365 SMTP server is specified in the machine settings.
- A. Gmail and Office 365 require SMTP over TLS or SSL. Please check the following:
- **"Use Secure Connection (SSL)" must be "On"**
 - G1 models: "User Tools" - "System Settings" - "File Transfer" - "SMTP Server"
 - G2 models: "User Tools" - "Machine Features" - "System Settings" - "File Transfer" - "SMTP Server"
 - Note: Enter other settings according to setup web page of Gmail or Office 365 mail service.
 - **"SMTP Authentication" must be "On".**
 - G1 models: "User Tools" - "System Settings" - "File Transfer" - "SMTP Authentication"
 - G2 models: "User Tools" - "Machine Features" - "System Settings" - "File Transfer" - "SMTP Authentication"
 - Note: Enter other settings according to setup web page of Gmail or Office 365 mail service.

Bulletin Widget

- Q. "No message." appears on the SOP after upgrading the SOP Designer Utility, although the message has been configured before.
- A. Turn off the main power switch of the machine and then turn it on.

9. Bug fix information

Version 1.32 (February, 2017)

- SendMeter
 - Too many counter items are displayed on G2 models if [Counter Mode] is set to [All].
 - An email is sent unexpectedly every time the machine is powered on if automatic transmission is enabled.

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=====

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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