

Smart Integration Essentials



It is the reader's responsibility when discussing the information contained this document to maintain a level of confidentiality that is in the best interest of Ricoh USA INC and its member companies.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FASHION AND/OR DISTRIBUTED WITHOUT THE PRIOR PERMISSION OF RICOH USA INC

All product names, partner's brands and their products, domain names or product illustrations, including desktop images used in this document are trademarks, registered trademarks or the property of their respective holders and should be noted as such.

Any trademark or registered trademark found in this support manual is used in an informational or editorial fashion only and for the benefit of such companies. No such use, or the use of any trade name, or web site is intended to convey endorsement or other affiliation with Ricoh products.

Copyright © 2019-2026 Ricoh USA INC

Table of Contents

Table of Contents	4
1 Preface	6
2 Introduction.....	7
3 Configuring default Values.....	8
4 Scan to Email	9
File Name Formula	9
Remove Blank Page	10
OCR and OCR Language	10
Email To	10
Setting up Default Email Subject.....	11
Setting up Email body.....	11
Setting up File Name	11
5 Print Cloud.....	13
Print Settings.....	14
6 Scan to Fax	15
Fax Service Domain	16
Fax Number.....	16
Scan Settings	17
7 Operation of Workflow Application.....	18
8 Scan to Email.....	20
9 Print Cloud.....	21
10 Scan and Print Settings	22
Scan Settings	22
Print Settings.....	25
11 Scan to Fax	29
A. Limitations.....	31
User Site Limitations.....	31
General Limitations	32
General Print Workflow Limitations.....	32
Blank Page Removal Workflow Limitations	32
B. Appendix.....	33
File Name Formula	33
Sample Formulas.....	33
Formula Functions.....	33

1 Preface

This guide provides the details on how to use various connector workflow applications

About This Guide

This guide is divided into following primary sections:

1. Introduction

This section lays the foundation for understanding the workflow specification

2. Configuring Dictionary and Default Values

This section contains step-by-step instructions on how to configure settings related to Connector applications in User Site

3. Operation of Connector Applications

This section contains step-by-step instructions on how to operate Connector applications on MFP Operation panel

4. Limitations

Product Limitations

5. Appendix

This section contains additional reference materials

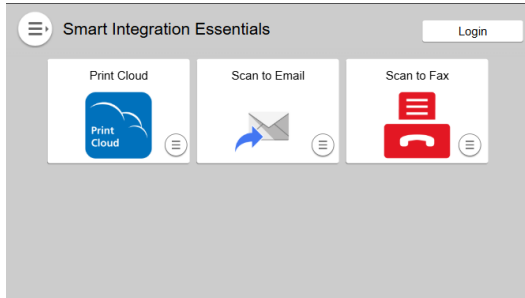
Note: The operation panel screen shot images and User Site images provided in this document are for illustrative purposes only. These images may not reflect the exact image you experience on your multi-functional printer (MFP device).

2 Introduction

What are Smart Integration Essentials?

Smart Integration consists of following workflows

1. Print Cloud
2. Scan to Email
3. Scan to Fax

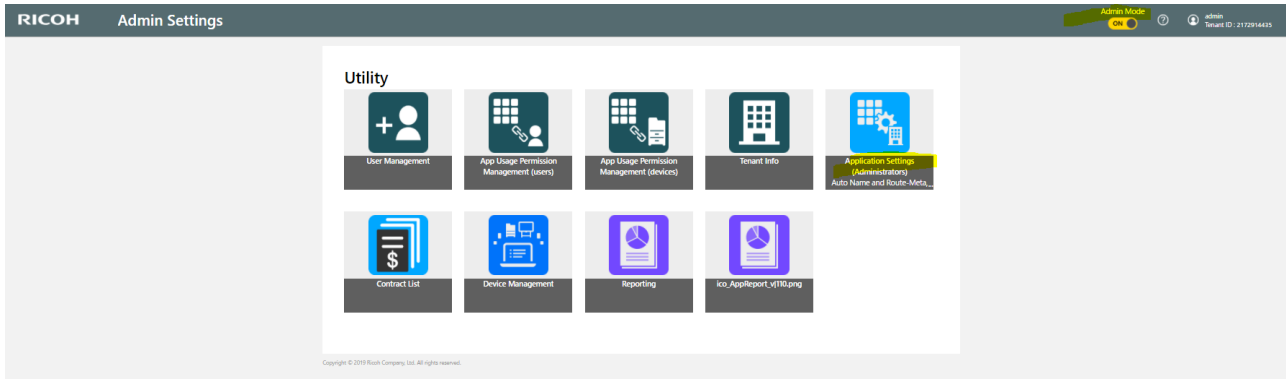


3 Configuring default Values

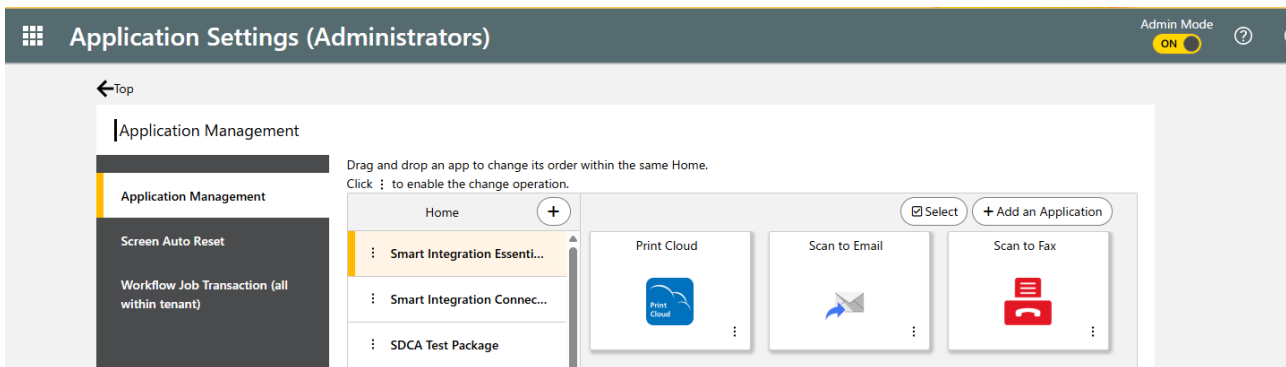
Smart Integration User Configuration Site URL

<https://na.accounts.rioh.com/portal/login.html>

Login to above site using your credentials.



Only Administrator can configure settings for these Applications, turn on Administrator mode.



Click on desired application to configure application settings.

4 Scan to Email

(Administrators)

← Application Management

Scan to Email Cancel Save

* Mandatory field

Default Parameter Settings

Body

Hide in application

File Name Formula * Check

OCR

OCR Language

Remove Blank Page

Email To

Email To

Dictionary Label

Dictionary Delimiter

Dictionary	Value

Dictionary Column Width

Subject

Subject

Hide in application

Dictionary Label

Dictionary Delimiter

Above settings are available to configure. [**Note: Only for Administrator**]

File Name Formula

Note: If you want to create Filename based on Formula, do not enter 'File Name', also leave 'File Name' field blank on Operation panel. User entered File Name has higher priority than the File Name generated using Formula.

File Name Formula * Check

Default Formula:

MONTH(NOW()) & DAY(NOW()) & YEAR(NOW()) & "-" & HOUR(NOW()) & MINUTE(NOW()) & SECOND(NOW())

Note: Refer to Appendix for Functions related to formula, samples, click on 'Check' button to validate the formula.

Note: There is no syntax checker in User Site, entering bad syntax will cause the workflow to fail. Please validate formula as mentioned in appendix before saving in User Site.

Remove Blank Page

Default value for Remove Blank Page can be configured.

Remove Blank Page

OCR and OCR Language

Default value for OCR and OCR Language can be configured.

OCR

OCR Language

Default value for OCR Language can be configured.

Email To

| Email To

Email To

Dictionary Label

Dictionary Delimiter

Dictionary
Value

Dictionary Column Width

Supports Multiple 'Email To' addresses. Click on '+' to add additional Email To addresses. Email address dictionary can be configured.

Setting up Default Email Subject

Subject

Subject

Hide in application

Dictionary Label

Dictionary Delimiter

Import Dictionary

Dictionary

Value

Dictionary Column Width

Enter required default value for Email Subject, most frequently used Email Subject can be entered in the dictionary. This will eliminate typing email subject on the MFP operation panel. Check 'Hide in application' to hide the field in Operation Panel.

Setting up Email body

Enter required default value for Email Body Check 'Hide in application' to hide this field

* Mandatory field

Default Parameter Settings

Body

Hide in application

Setting up File Name

File Name

File Name

Dictionary Label

Dictionary Delimiter

Import Dictionary

Dictionary

Value

Dictionary Column Width

Enter Required Filename Default Value and also can setup dictionary of Keywords which can be used in the filename. A delimiter/separator can also be configured, if multiple keywords are used for naming the file.

Scan Settings

Default Scan settings can be configured here

Default Scan Settings

Scan Color Mode Auto Color Select Do not allow scan color mode change

Original Sides 1 Sided Do not allow original settings change

Document Orientation Readable Direction Do not allow original orientation change

Scan Resolution 300 dpi Do not allow scan resolution change

Document Size Auto Do not allow original size change

Manual Density 0 Do not allow manual density change

Scan Method Normal Do not allow scan method change

Preview On

Administrator can force settings so that end user cannot change settings on panel.

5 Print Cloud

Print Cloud

* Mandatory field

Cancel Save

Default Parameter Settings

Release Code

Default Print Settings

Copies
 Do not allow quantity change

Print Color Mode
 Do not allow print color mode change

Sides
 Do not allow print side change

N-Up
 Do not allow combination change

Print Settings

Default Scan settings can be configured here

Default Print Settings

Copies
 Do not allow quantity change

Print Color Mode Do not allow print color mode change

Sides Do not allow print side change

N-Up Do not allow combination change

6 Scan to Fax

Note: Scan to Fax uses RICOH Smart Integration email service to send emails. Email from address will be like no_reply@na.smart-integration.ricoh.com. Please make sure the fax service you are using accepts email from such an address.

The screenshot shows the 'Scan to Fax' configuration page. At the top, there is a header 'Application Settings (Administrators)' and a toggle for 'Admin Mode' which is currently 'ON'. Below the header, there is a navigation breadcrumb '← Application Management' and a title 'Scan to Fax' with 'Cancel' and 'Save' buttons. The main content area is divided into three sections:

- Default Parameter Settings:** Contains a mandatory field 'Fax Service Domain' with the value 'egoldfax.com'.
- Fax Number(s):** Includes a 'Fax Number(s)' input field with a '+' icon, a 'Dictionary Label' input field, and a 'Dictionary Delimiter' input field. Below these is a 'Dictionary' table with columns 'Label' and 'Value':

Label	Value
SDCA Office	14086103195
eGoldFax	18772411460
eFax	14083519200
- Default Scan Settings:** Includes a 'Scan Color Mode' dropdown menu set to 'Auto Color Select' and a checkbox 'Do not allow scan color mode change' which is currently unchecked.

Fax Service Domain

Scan to Fax
Cancel Save

* Mandatory field

Default Parameter Settings

Fax Service Domain *

Configure your Fax Service domain name here. This domain name is added to fax number entered in the User Interface and used as 'To' email address. Both 'Label' and 'Value' are required fields. MFP Operation Panel displays text entered in 'Label' field.

Example: 14085551212@opentextdemo.com

Fax Number

Fax Number(s)

Fax Number(s)

+

Dictionary Label

Dictionary Delimiter

Dictionary	
Label	Value
SDCA Office	14086103195
eGoldFax	18772411460
eFax	14083519200

Dictionary Column Width

Fax numbers can be configured in the dictionary, which can be used as an address book at the MFP operation panel.

Supports multiple fax numbers. Multiple Fax numbers can be input, by pressing '+'.

Scan Settings

Default Scan Settings

Scan Color Mode

Do not allow scan color mode change

Original Sides

Do not allow original settings change

Document Orientation

Do not allow original orientation change

Scan Resolution

Do not allow scan resolution change

Document Size

Do not allow original size change

Manual Density

Do not allow manual density change

Scan Method

Do not allow scan method change

Preview

7 Operation of Workflow Application

Smart Integration MFP BrowserNX URL

<https://www.na.smart-integration.ricoh.com/si-apps/pub/index.html>

Ricoh Smart Integration Initial Login

Above URL is available as Bookmark ICON on MFP. Very first time, administrator need to login to the site either using Tenant ID, User ID and Password or Email address and password.

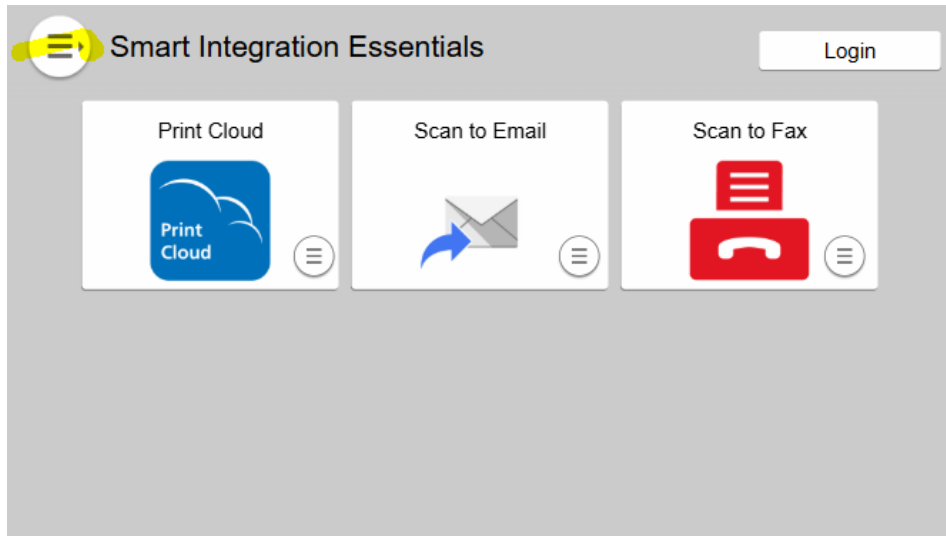
Option 1: Login with Tenant ID

The screenshot shows the login interface for Ricoh Smart Integration. At the top left, there is a back arrow icon and the text "Login to RICOH Smart Integration". Below this, a dropdown menu is set to "Login with Tenant ID". The form consists of three input fields: "Tenant ID", "User ID", and "Password". A blue "Login" button is positioned at the bottom of the form.

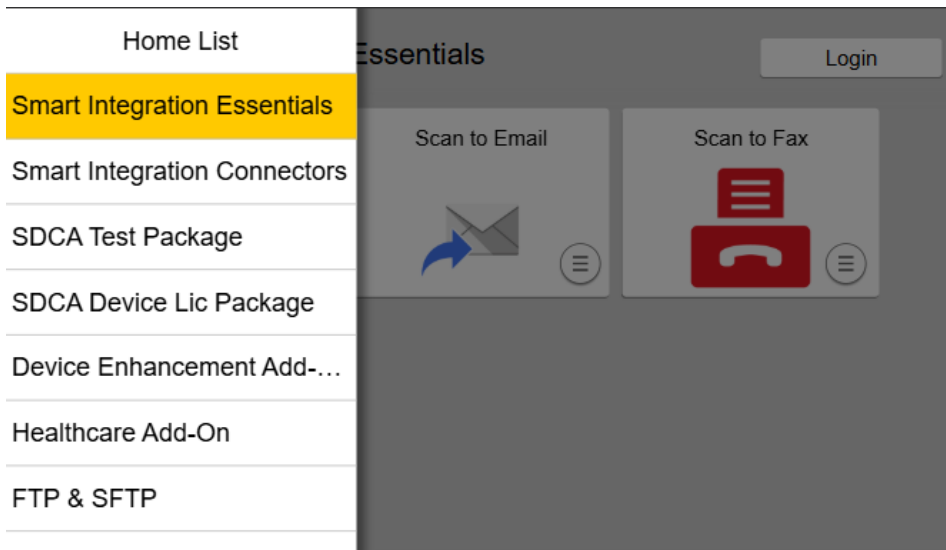
Option 2: Login with Email Address

The screenshot shows the login interface for Ricoh Smart Integration. At the top left, there is a back arrow icon and the text "Login to RICOH Smart Integration". Below this, a dropdown menu is set to "Login with Email Address". The form consists of two input fields: "Email Address" and "Password". The "Email Address" field contains the text "user @gmail.com". A blue "Login" button is positioned at the bottom of the form.

After administrator login subscribed application will be displayed



Use the Home List button to Select required home screen.



Select 'Smart Integration Essentials' from the list. This displays applications available in that home screen. Touch on desired application.

Note: 'Scan to Email', 'Scan to Fax' & 'Print Cloud' does not require user authentication with their RICOH Smart Integration credentials.

8 Scan to Email

Following settings are available:

A. Email To

Supports multiple email addresses, dictionary can be used to preconfigure email address book in user site

B. Subject

Email subject, dictionary can be used to preconfigure frequently used keywords to reduce typing

C. Body

Email Body can be entered.

D. OCR

Supports these values: Off, PDF, PDF/A, Word, Excel

E. OCR Language

Supports these values: English, French, Spanish, Brazilian Portuguese

F. File Name

Workflow supports File Name formula, entering file name here overrides filename generated by formula.

G. Remove Blank Page

Workflow supports Blank Page Removal. Values: OFF, ON

The screenshot shows the 'Scan to Email' configuration interface. It features a 'Job log' button at the top right. Below the title bar, there are several input fields: 'Email To' (marked as mandatory), 'Subject', 'Body', 'OCR' (set to OFF), and 'OCR Language' (set to English). A 'Scan Settings' panel is visible on the right side, showing options like 'Auto Color', '1 Sided', 'Readable', and '300 dpi'. A green 'Start' button is located at the bottom right of the main form area.

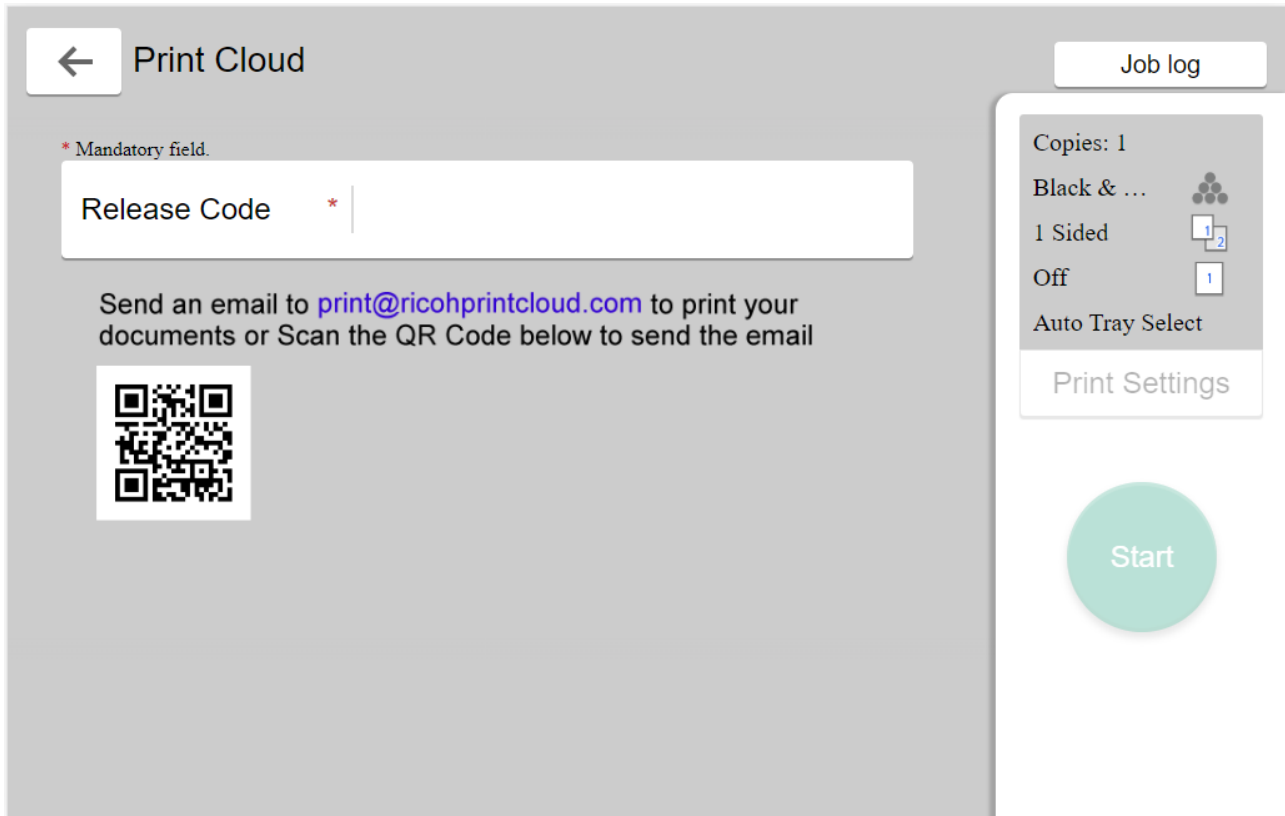
This screenshot shows the 'Scan to Email' configuration interface with different settings. The 'Job log' button is at the top right. The main form includes fields for 'OCR' (OFF), 'OCR Language' (English), 'File Name', and 'Remove Blank Page' (OFF). A 'Scan Settings' panel on the right shows 'Auto Color', '1 Sided', 'Readable', and '300 dpi'. A green 'Start' button is positioned at the bottom right of the form.

9 Print Cloud

Following settings are available:

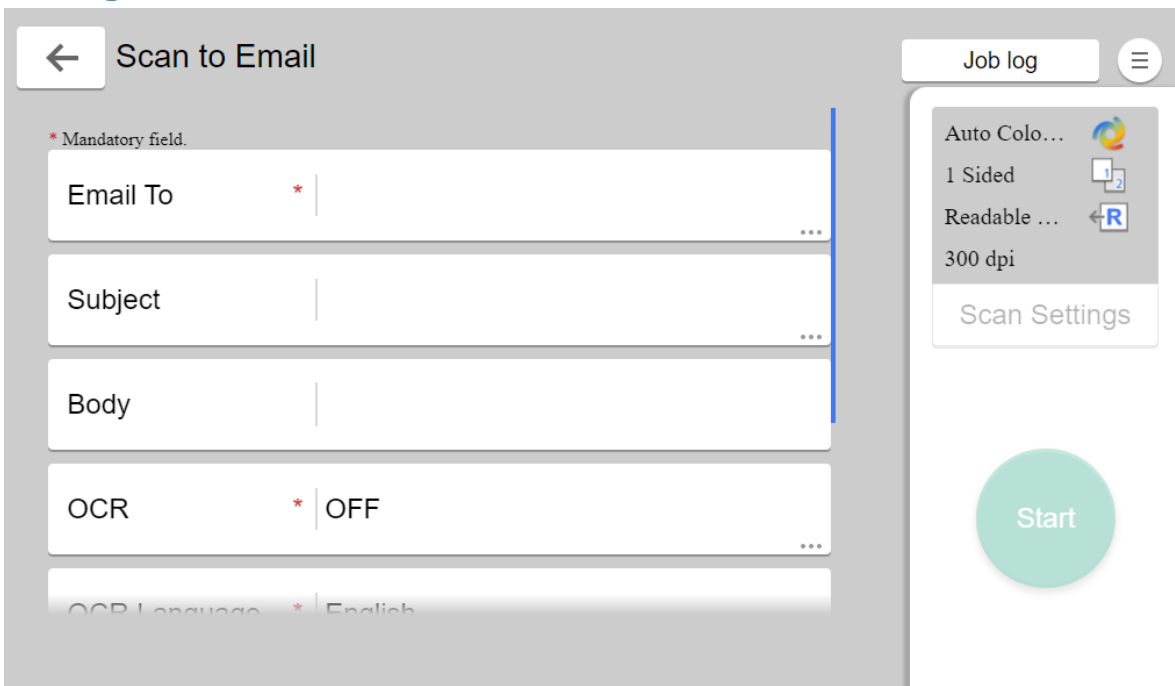
A. Release Code

Enter Release Code received through email after submitting print job to print@ricohprintcloud.com

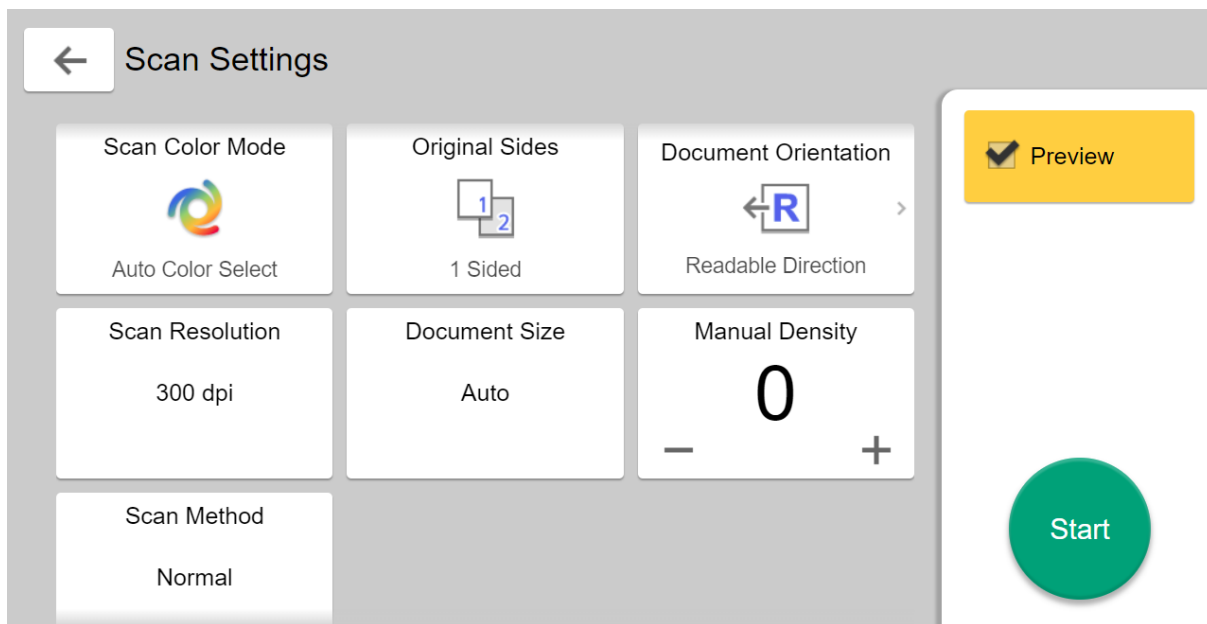


10 Scan and Print Settings

Scan Settings



Touch on 'Scan Settings' to display Scan Settings Screen

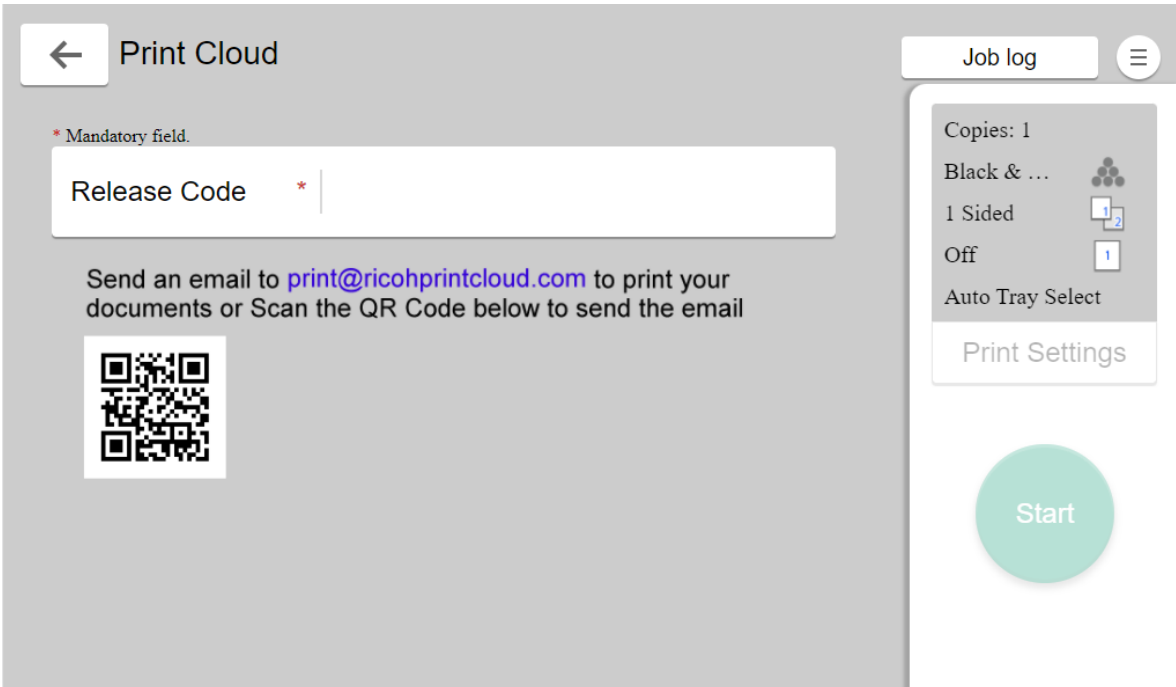


Checking 'Preview' will enable Scan document Preview on MFP Operation Panel.

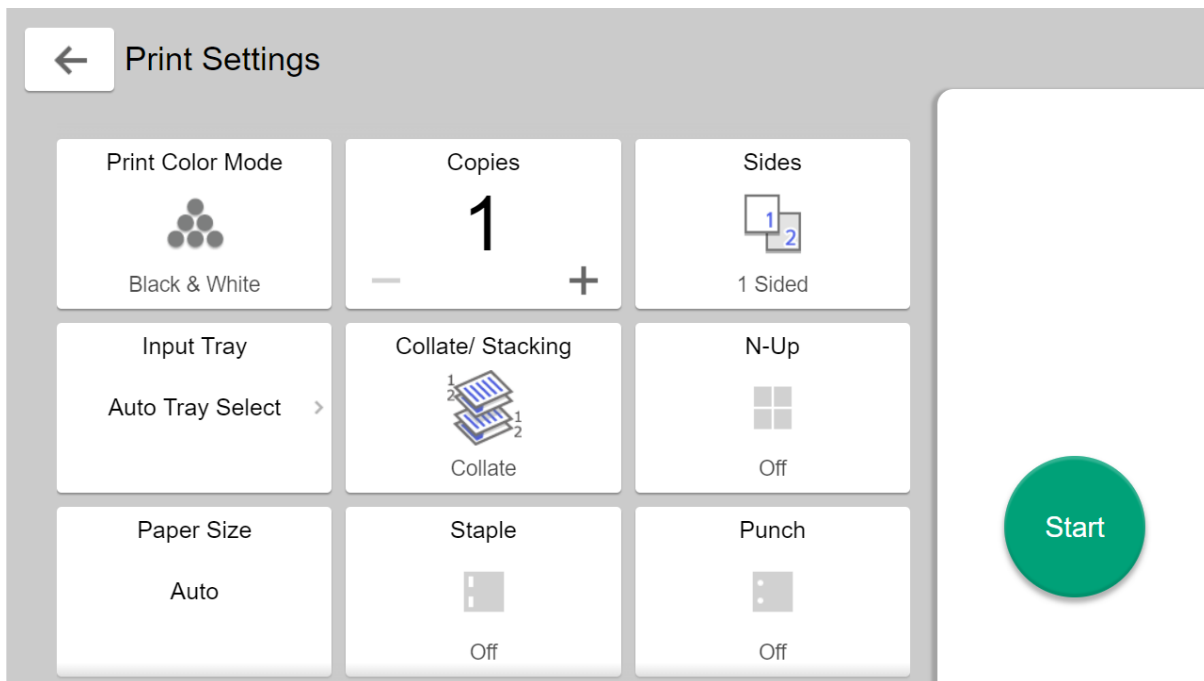
Scan Settings	Available Options
<p>Scan Color mode</p>	
<p>Original Sides</p>	
<p>Document Orientation</p>	
<p>Scan Resolution</p>	

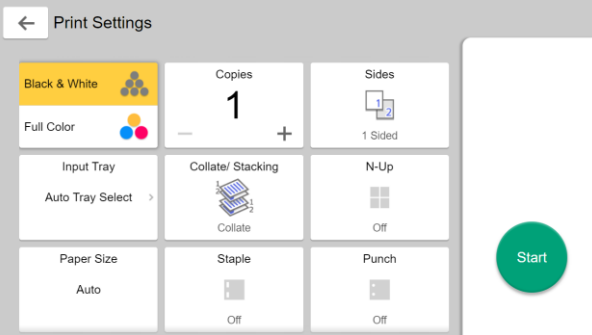
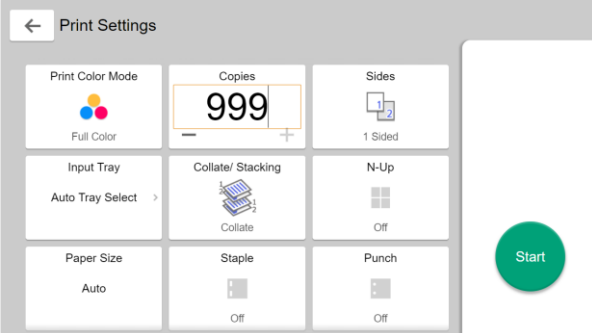
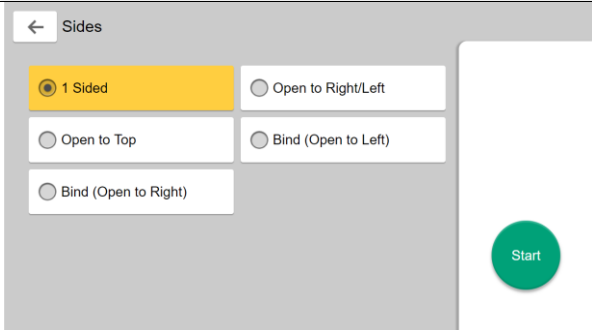
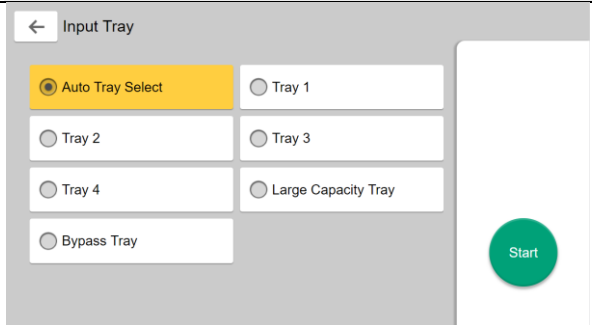
Document size	 <p>The screenshot shows two instances of the 'Document Size' settings screen. The top instance has 'Auto' selected, with other options including Mixed, A3 (Horizontal), JIS B4 (Horizontal), A4, A4 (Horizontal), JIS B5, JIS B5 (Horizontal), and A5 (Horizontal). The bottom instance has 'A5' selected, with other options including A5 (Horizontal), 11 x 17 (Horizontal), Legal (Horizontal), 8 1/2 x 13 (Horizontal), Letter, Letter (Horizontal), Invoice (Half Letter Size), and Invoice (Horizontal). Both screens feature a 'Preview' button and a 'Start' button.</p>
Manual Density	Range -3 to +3
Scan Method	 <p>The screenshot shows the 'Scan Settings' interface. It includes fields for 'Scan Resolution' (300 dpi), 'Document Size' (Auto), and 'Manual Density' (3). Below these are 'Normal' and 'Batch' scan method options. A 'Preview' button and a 'Start' button are also visible.</p>

Print Settings



Touch on 'Print Settings' to display Print Settings Screen



Print Settings	Available Options
<p>Print Color Mode</p>	
<p>Copies</p>	<p>Range 1-999</p> 
<p>Sides</p>	
<p>Input Tray</p>	
<p>Collate/Stacking</p>	

	<p>Print Settings</p> <ul style="list-style-type: none"> Full Color 1 Sided Collate N-Up <p>Start</p>
<p>N-Up</p>	<p>N-Up</p> <ul style="list-style-type: none"> Off 2 Pages 4 Pages 6 Pages 8 Pages 9 Pages 16 Pages <p>Start</p>
<p>Paper Size</p>	<p>Paper Size</p> <ul style="list-style-type: none"> Auto A4 A5 JIS B5 Double postcard (Japan) SRA4 Letter C6 <p>Start</p> <p>Paper Size</p> <ul style="list-style-type: none"> Envelope (Youchou 3 (Youkei 0)) Envelope (Youkei 4) A3 (Horizontal) A4 (Horizontal) A5 (Horizontal) A6 (Horizontal) JIS B4 (Horizontal) JIS B5 (Horizontal) JIS B6 (Horizontal) Double postcard (Japan) (Horizontal) <p>Paper Size</p> <ul style="list-style-type: none"> Postcard (Japan) (Horizontal) SRA3 (Horizontal) SRA4 (Horizontal) 11 x 17 (Horizontal) Legal (Horizontal) Letter (Horizontal) Invoice (Horizontal) 12 x 18 (Horizontal) C6 (Horizontal) Envelope (Youchou 3 (Youkei 0)) (Horizontal) <p>Start</p>

	<div data-bbox="808 142 938 172">← Paper Size</div> <table border="1"> <tbody> <tr> <td><input type="radio"/> Legal (Horizontal)</td> <td><input type="radio"/> Letter (Horizontal)</td> </tr> <tr> <td><input type="radio"/> Invoice (Horizontal)</td> <td><input type="radio"/> 12 x 18 (Horizontal)</td> </tr> <tr> <td><input type="radio"/> C6 (Horizontal)</td> <td><input type="radio"/> Envelope (Youchou 3 (Youkei 0)) (Horizontal)</td> </tr> <tr> <td><input type="radio"/> Envelope (Youkei 4) (Horizontal)</td> <td><input type="radio"/> Envelope (Japan: Choukei 3) (Horizontal)</td> </tr> <tr> <td><input type="radio"/> Envelope (Japan: Choukei 4) (Horizontal)</td> <td><input type="radio"/> Envelope (Japan: Kakuhei 2) (Horizontal)</td> </tr> </tbody> </table> <div data-bbox="1312 365 1382 436">Start</div>	<input type="radio"/> Legal (Horizontal)	<input type="radio"/> Letter (Horizontal)	<input type="radio"/> Invoice (Horizontal)	<input type="radio"/> 12 x 18 (Horizontal)	<input type="radio"/> C6 (Horizontal)	<input type="radio"/> Envelope (Youchou 3 (Youkei 0)) (Horizontal)	<input type="radio"/> Envelope (Youkei 4) (Horizontal)	<input type="radio"/> Envelope (Japan: Choukei 3) (Horizontal)	<input type="radio"/> Envelope (Japan: Choukei 4) (Horizontal)	<input type="radio"/> Envelope (Japan: Kakuhei 2) (Horizontal)										
<input type="radio"/> Legal (Horizontal)	<input type="radio"/> Letter (Horizontal)																				
<input type="radio"/> Invoice (Horizontal)	<input type="radio"/> 12 x 18 (Horizontal)																				
<input type="radio"/> C6 (Horizontal)	<input type="radio"/> Envelope (Youchou 3 (Youkei 0)) (Horizontal)																				
<input type="radio"/> Envelope (Youkei 4) (Horizontal)	<input type="radio"/> Envelope (Japan: Choukei 3) (Horizontal)																				
<input type="radio"/> Envelope (Japan: Choukei 4) (Horizontal)	<input type="radio"/> Envelope (Japan: Kakuhei 2) (Horizontal)																				
Staple	<div data-bbox="808 501 899 531">← Staple</div> <table border="1"> <tbody> <tr> <td><input type="radio"/> 2 at Left</td> <td><input type="radio"/> 2 at Right</td> </tr> <tr> <td><input type="radio"/> 2 at Top</td> <td><input type="radio"/> Saddle Stitch</td> </tr> <tr> <td><input type="radio"/> Top Left</td> <td><input type="radio"/> Top Left Slant</td> </tr> <tr> <td><input type="radio"/> Top Right</td> <td><input type="radio"/> Top Right Slant</td> </tr> <tr> <td><input type="radio"/> Bottom Left</td> <td><input type="radio"/> Bottom Left Slant</td> </tr> </tbody> </table> <div data-bbox="1312 716 1382 787">Start</div>	<input type="radio"/> 2 at Left	<input type="radio"/> 2 at Right	<input type="radio"/> 2 at Top	<input type="radio"/> Saddle Stitch	<input type="radio"/> Top Left	<input type="radio"/> Top Left Slant	<input type="radio"/> Top Right	<input type="radio"/> Top Right Slant	<input type="radio"/> Bottom Left	<input type="radio"/> Bottom Left Slant										
<input type="radio"/> 2 at Left	<input type="radio"/> 2 at Right																				
<input type="radio"/> 2 at Top	<input type="radio"/> Saddle Stitch																				
<input type="radio"/> Top Left	<input type="radio"/> Top Left Slant																				
<input type="radio"/> Top Right	<input type="radio"/> Top Right Slant																				
<input type="radio"/> Bottom Left	<input type="radio"/> Bottom Left Slant																				
Punch	<div data-bbox="808 852 899 882">← Punch</div> <table border="1"> <tbody> <tr> <td><input type="radio"/> GBC Left (Multiple Holes)</td> <td><input type="radio"/> GBC Right (Multiple Holes)</td> </tr> <tr> <td><input type="radio"/> GBC Top (Multiple Holes)</td> <td><input type="radio"/> 4 at Left</td> </tr> <tr> <td><input type="radio"/> 3 at Left</td> <td><input type="radio"/> 1 at Upper Left</td> </tr> <tr> <td><input type="radio"/> 2 at Left</td> <td><input type="radio"/> 4 at Right</td> </tr> <tr> <td><input type="radio"/> 3 at Right</td> <td><input type="radio"/> 2 at Right</td> </tr> </tbody> </table> <div data-bbox="1312 1066 1382 1138">Start</div> <div data-bbox="808 1197 899 1226">← Punch</div> <table border="1"> <tbody> <tr> <td><input type="radio"/> 3 at Left</td> <td><input type="radio"/> 1 at Upper Left</td> </tr> <tr> <td><input type="radio"/> 2 at Left</td> <td><input type="radio"/> 4 at Right</td> </tr> <tr> <td><input type="radio"/> 3 at Right</td> <td><input type="radio"/> 2 at Right</td> </tr> <tr> <td><input type="radio"/> 4 at Top</td> <td><input type="radio"/> 3 at Top</td> </tr> <tr> <td><input type="radio"/> 2 at Top</td> <td><input checked="" type="radio"/> Off</td> </tr> </tbody> </table> <div data-bbox="1312 1415 1382 1486">Start</div>	<input type="radio"/> GBC Left (Multiple Holes)	<input type="radio"/> GBC Right (Multiple Holes)	<input type="radio"/> GBC Top (Multiple Holes)	<input type="radio"/> 4 at Left	<input type="radio"/> 3 at Left	<input type="radio"/> 1 at Upper Left	<input type="radio"/> 2 at Left	<input type="radio"/> 4 at Right	<input type="radio"/> 3 at Right	<input type="radio"/> 2 at Right	<input type="radio"/> 3 at Left	<input type="radio"/> 1 at Upper Left	<input type="radio"/> 2 at Left	<input type="radio"/> 4 at Right	<input type="radio"/> 3 at Right	<input type="radio"/> 2 at Right	<input type="radio"/> 4 at Top	<input type="radio"/> 3 at Top	<input type="radio"/> 2 at Top	<input checked="" type="radio"/> Off
<input type="radio"/> GBC Left (Multiple Holes)	<input type="radio"/> GBC Right (Multiple Holes)																				
<input type="radio"/> GBC Top (Multiple Holes)	<input type="radio"/> 4 at Left																				
<input type="radio"/> 3 at Left	<input type="radio"/> 1 at Upper Left																				
<input type="radio"/> 2 at Left	<input type="radio"/> 4 at Right																				
<input type="radio"/> 3 at Right	<input type="radio"/> 2 at Right																				
<input type="radio"/> 3 at Left	<input type="radio"/> 1 at Upper Left																				
<input type="radio"/> 2 at Left	<input type="radio"/> 4 at Right																				
<input type="radio"/> 3 at Right	<input type="radio"/> 2 at Right																				
<input type="radio"/> 4 at Top	<input type="radio"/> 3 at Top																				
<input type="radio"/> 2 at Top	<input checked="" type="radio"/> Off																				

Note: Some finishing options like Staple and Punch are available only when appropriate finishing unit is installed with Multifunction Device

11 Scan to Fax

Following settings are available:

1. Fax Number

Enter Fax number, dictionary can be used to preconfigure Fax numbers, in user site.

Touching 'Fax Number(s)' displays following screen.

Pressing '+' displays additional 'Fax Number' input fields. Touching the Fax Number field displays Fax Number dictionary.

Fax Number(s) Cancel OK

14086103195 ✕

Dictionary

SDCA Office eGoldFax

eFax

User Can select a Label from dictionary or enter number.

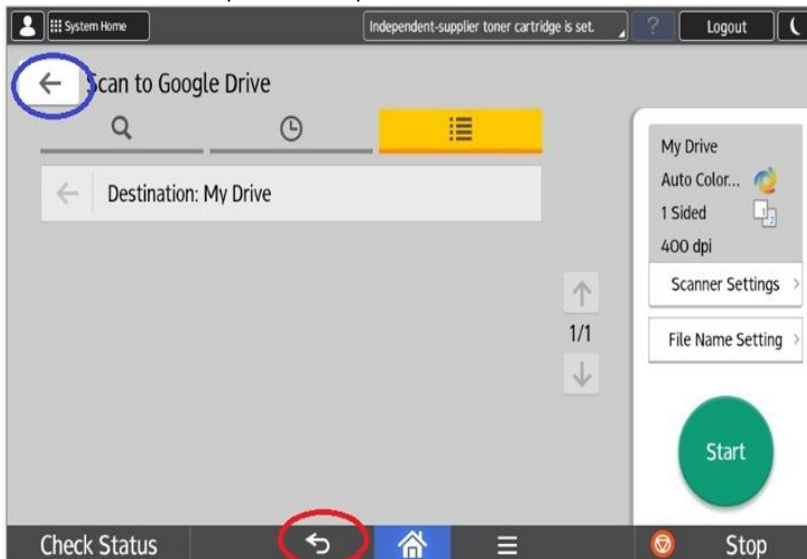
A. Limitations

User Site Limitations

- Supported Browsers for User Site are:
 - Internet Explorer: 11 or later
 - Edge: Latest Version
 - Chrome: Latest Version
 - Firefox: Latest Version
- Limitations for Home Screen/Applications
 - Home: Maximum 20 for each profile, Max 32 characters for the name.
 - Applications: Maximum 18 for each home screen, Max 32 characters for the name
- User Management
 - Email address is unique in the system; same Email address cannot be used even if user belongs to different Tenants
 - Users belong to same tenant cannot set different time zones
 - User cannot change their login Email address, need admins assistance to change email address

General Limitations

- Once Administrator has logged in to a Tenant on MFP, administrator from another tenant cannot login to same MFP. Refer to guide on 'How to remove registered device'
- Back button inside application display screen must be used, instead for 'Back' button on the operation panel.



- Folder and File Search results varies from Cloud Service to Cloud Service, this depends on the Search API for each service.

General Print Workflow Limitations

PrintCloud

Printer shows this Message: "The print job has been aborted due to a data format error." this is because of document size of the file is not supported by printer.

This may occur when users try to re-print scanned document. To avoid this error, Scan document with specific size (like Letter or A4 etc. instead of Auto)

Blank Page Removal Workflow Limitations

When Blank Page is enabled, Maximum Scan file size is limited to 50MB

B. Appendix

File Name Formula

Formula functions are similar to Microsoft Excel Formulas. Not all Excel functions are relevant and supported.

Following two variables from the workflow application are available to use in the formula

1. TenantId [Smart Integration Tenant ID]
2. UserId [Smart Integration User ID]

Sample Formulas

Formula	Result
YEAR(NOW()) & "-" & MONTH(NOW()) & "-" & DAY(NOW()) & "-" & HOUR(NOW()) & MINUTE(NOW()) & SECOND(NOW())	2018-12-21-102657
YEAR(NOW()) & "-INVOICE"	2018-INVOICE
_[UserId] & "-" & YEAR(NOW()) & "-" & MONTH(NOW()) & "-" & DAY(NOW())	TOM-2018-12-21

Formula Functions

Formula Evaluation is based on Open Source, Apache POI

Note: Please see link below. All formulas listed may not be relevant to workflow application. Here is list of formulas.

<http://poi.apache.org/components/spreadsheet/eval-devguide.html>