KYOCERA

kyoceradocumentsolutions.com

Command Center RX User Guide

About This Guide

This user guide is intended to help you configure the settings using the embedded web server (Command Center RX) correctly and take simple troubleshooting measures as needed so that the machine can always be used in the optimum condition.

The settings and screens described in this guide may be diffrent according to the machine type.

Legal Notes

Unauthorized reproduction of all or part of this guide is prohibited.

The information in this guide is subject to change without notice.

Examples of the operations given in this guide support the Windows 8.1 printing environment.

We cannot be held liable for any problems arising from the use of this product, regardless of the information herein.

Regarding Trademarks

Microsoft Windows is a registered trademark of Microsoft Corporation in the U.S. and/or other countries. KPDL is a trademark of Kyocera Corporation. PCL is a trademark of Hewlett-Packard Company. Google is a trademark and/or registered trademarks of Google LLC.

All other brand and product names herein are registered trademarks or trademarks of their respective companies.

Table of Contents

1 Introduction

Command Center RX (Remote eXtension), which will hereafter be referred to as the embedded server, refers to the web server that is built into the printing device. It allows you to verify the operating status of the device and make settings related to security, network printing, E-mail transmission and advanced networking.

With the embedded server, the administrator can remotely track paper and ink usages per user and the status of optional equipment installed. The embedded server also configures device settings, monitors jobs, and manages document boxes and address books.

Note: We will describe the functions to be implemented in future. (Example: **Authentication** function in **Management settings**, etc.)

System Requirements

The embedded server operates in the following environment. Check the following before use.

Protocol

- The TCP/IP protocol is installed on the PC.
- An IP address is assigned to the machine.

Web browser

- Microsoft Internet Explorer 9.0 or later (Microsoft Internet Explorer operates on Microsoft Windows XP/ Vista/7/8/8.1, and Microsoft Windows Server 2008/2012.)
- Microsoft Edge (Microsoft Edge operates on Microsoft Windows 10.)
- Mozilla Firefox 14.0 or later
- Safari 5.0 or later (Safari operates on Apple Mac OS X 10.4 or later.)
- Google Chrome 21.0 or later

Accessing the Embedded Server

Access the embedded server by entering the machine's host name or IP address in a web browser. Obtain the IP address from your network administrator.

Note: Do not access to other web sites for security reasons while operating the Command Center RX.

1. Open a web browser.
2. Enter the device's host name or IP address as the URL. If you use the host name, you must first specify the DNS server information. For example, https://192.168.10.1.

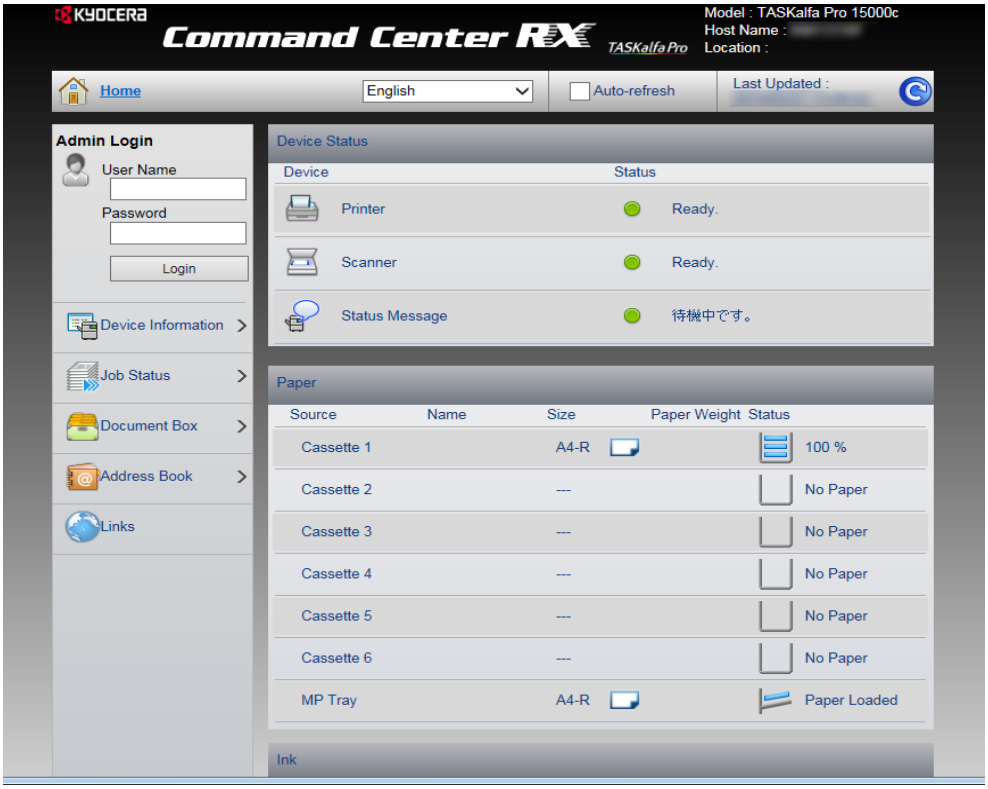
   If the screen “There is a problem with this website's security certificate.” is displayed, configure the certificate. For details, see *Certificates* on page 62. You can also continue the operation without configuring the certificate.

   The embedded server's home page will be accessed and displayed.

For initial login, use the predefined “Admin” as the Use Name, and “Admin” as the Password to access all the pages. For initial login, use the predefined Admin as the Use Name, and Admin as the Password to access all the pages. This is set up internally.

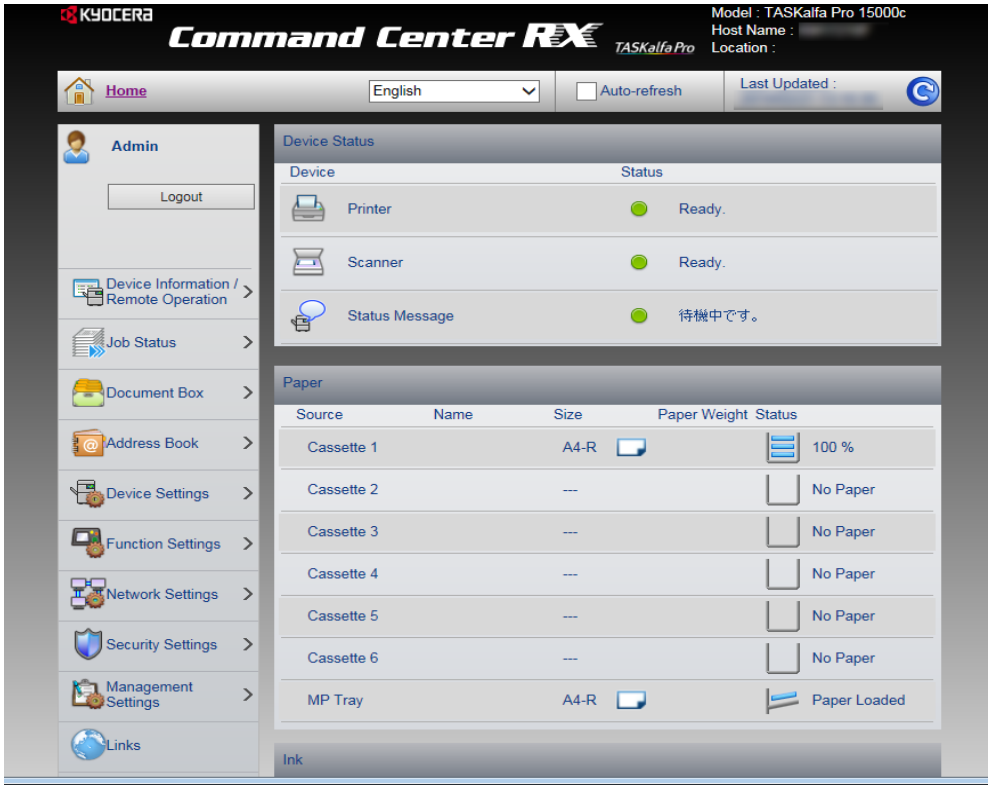
2 The Embedded Server Home Page

The embedded server's home page allows you to select a category from the navigation menu on the left to view and set values for that category, as well as displaying information on the device, user, and consumables on the right, which changes according to the selection in the navigation menu.



Login

To fully access the features of the embedded server pages, enter the User Name and Password and click Login.



To access the embedded server pages, the users can be also identified by job accounting authentication method. For details, see 3 About Login Levels of Login on *About Login* on page 8.

Top Bar

At the top of the home page, you can perform the following:

Home

To quickly return to this home page (top page) from any other server page, click **Home**.

Select language

The embedded server supports multiple languages. To change the language that the embedded server is displayed in, open the language drop down list and select the appropriate language. If you attempt to view the embedded server with a character set other than the language that is used on the operation panel's display, some characters may be garbled.

Auto-refresh

To continuously update the embedded server's pages to the most recent status, select the **Auto-Refresh** check box.

Note: If checking [Auto-refresh] check box, the login state continues without the automatic logout. Do not check [Auto-refresh] for the safe connection.

Refresh

Click this circular arrow icon to refresh the embedded server pages any time.

Navigation Menu

The navigation menu at the left of the home page divides the following functions onto separate bars. By clicking each bar, you can jump to the desired page as outlined below:

Device Information/Remote Operation

This page includes this machine's various information. Access this menu when executing Remote Operation. After clicking on **Device Information/Remote Operation**, information is available in the following device information pages:

Configuration
This page includes this machine's various information that apply to the entire machine, such as Device Defaults (basic, ID information, and capability) as well as optional equipment installed, firmware, and network parameters.

Counter
This page includes the printed pages and scanned pages. You can narrow details by pulling down **Type**.

About Command Center RX
This page includes the firmware version and the list of web browsers supported by the embedded server.

Remote Operation
Click **Start** button to execute Remote Operation.
Note: To execute Remote Operation, **Enhanced VNC (RFV) over SSL** is seto to **On** in network protocol and enter the port number as necessary. Also, **Remote Operation** is set to **On** in the **Remote Operation Settings** page and configure the segttings as necessary. For details, refer to *Protocol* on page 52 and *Remote Operation* on page 75.

Job Status

This page includes information on all device jobs including job status for printing, sending and storing jobs as well as the job log. After clicking on **Job Status**, information is available in the following job status pages: The displayed items vary depending on the access level.

Printing Job Status, **Sending Job Status**, **Storing Job Status**
Displays details on each job. You can narrow details by pulling down **Type**. Click **Refresh** to update the list. Click **Cancel Job** to abort the job. To see details of each job in the log, click the **Number** or the **Job Name**.

Printing Job Log, **Sending Job Log**, **Storing Job Log**
Displays logs to track jobs of each type. You can narrow details by pulling down **Type**. Click **Refresh** at the right end of the Top Bar to update the list of logs. To see details of each job in the log, click the **Number** or the **Job Name**.

Document Box

This page allows you to add, edit, or delete a document box, and delete documents in a document box. This page allows you to add, edit, or delete a document box, and delete documents in a document box. Under **Document Box**, **Custom Box** and **Job Box Settings** are included. For more information, see *Document Box* on page 9.

Address Book

This page allows you to add, edit, or delete a contact address or a group of addresses. Under **Address Book**, **Machine Address Book**, **External Address Book Settings**, and **One Touch Key** are included. For more information, see *Address Book* on page 14.

Device Settings

This page includes advanced settings that apply to the entire device. Under **Device Settings**, **Paper/Feed/Output**, **Original Document**, **Energy Saver/Timer**, **Date/Time** and **System** are included. For more information, see *Device Settings* on page 20.

Function Settings

This page includes advanced settings of each function that the device has. Under **Function Settings**, **Common/Job Defaults**, **Copy**, **Printer**, **E-mail**, **Scan to Folder** and **Operation Panel** are included. For more information, see *Function Settings* on page 30.

Network Settings

This page includes advanced network settings that apply to the device. Under **Network Settings**, **General**, **TCP/IP**, and **Protocol** are included. For more information, see *Network Settings* on page 43.

Security Settings

This page includes advanced security settings that apply to the device. Under **Security Settings**, **Device Security**, **Network Security**, and **Certificates** are included. For more information, see *Security Settings* on page 57.

Management Settings

This page includes advanced management settings that apply to the device. Under **Management Settings**, **Job Accounting**, **Authentication**, **ID Card**, **Notification/Report**, **History Settings**, **SNMP**, **System Stamp**, **Message Board**, **Reset**, **Remote Services**, **Extended Function**, and **Remote Operation** are included. For more information, see *Management Settings* on page 64.

Links

Links to our websites. Visit the following website for more information and downloads.

Download Drivers and Software
For downloading printer drivers and software:
KYOCERA Document Solutions - Download
https://www.kyoceradocumentsolutions.com/support/index.html

About KYOCERA Document Solutions
For more information about products:
KYOCERA Document Solutions Website
https://www.kyoceradocumentsolutions.com/

Device Status

The home page displays information on the status of the device, operation panel usage, and consumables, to the right of the page. This page allows you to quickly verify the device's current settings and statuses.

Status Displays

Shows the operating status of the printer and scanner.

Paper

Shows the size, name, weight, and the current supply by paper source.

Ink

Shows the ink supply by color. The status of the waste ink box is also shown.

Staple/Punch

Shows the amount of the remaining staples, the punch waste, and the staple waste.

Information

Shows the message type, title and date modified when the Message Board is set to On and the new message is described.

3 About Login

This section provides how to access (login) to the embedded web server.

Levels of Login

There are two access (login) methods to the embedded web server.

Login by Entering User Name and Password

Enter a **User Name** and **Password** and then click the **Login** button. User Name and Password are set to “Admin” respectively.

Login by Entering Job Account ID

If the device is configured for job accounting, a user can be authenticated by his/her job account ID. Enter the job account ID in **Account Login** and click **Login**.

Note: If you selected **Admin Login**, enter a **User Name** and **Password** and click the **Login** button.

For access using a job account ID, **My Information**, **Device Information**, **Job Status**, **Document Box**, **Address Book**, and **Links** are displayed in the navigation menu.

4 Document Box

It allows you to add or delete a document box, as well as deleting documents in a document box on this page. A general user is not allowed to add or delete a document box.

There are several types of document boxes, which vary depending on models: **Custom Box** and **Job Box Settings** as described below.

The users with a general user account can delete the documents which were created and added in their own document boxes.

Custom box

The section below explains how to add, edit or delete custom boxes as well as working with their contents.

Adding a New Custom Box

1. Click **Custom Box** under **Document Box** on the navigation menu. The **Custom Boxes** page opens.
2. Click **Add** icon. The **New Box - Property** page will open.
3. Make entries required to define the custom box, such as **Number**, **Name**, etc.
4. Click **Submit** button.

Editing a Custom Box

1. Click **Custom Box** under **Document Box** on the navigation menu. The **Custom Boxes** page opens.
2. Select the custom box you want to edit by clicking on its Number or Box Name. The documents contained in the custom box are displayed with its name, date of creation, size, etc. You can choose **List View** or **Thumbnail** to view the box contents.

   Alternatively, you can open the list of the user boxes, directly enter the box number in the **Box #** window and click **Go to**, or enter the box name in the **Box Name** window and click the magnifying glass icon, to quickly search the custom box.
3. Click **Box Property**. The **Property** page will appear.
4. Make entries required to modify the custom box properties such as Number, Name, etc.
5. Click **Submit** button.

Working with a Custom Box

You can delete, move, copy, join, download, E-mail or print documents in the custom box.

First select the document to apply any of the above actions by following the steps below:

1. Click **Custom Box** under **Document Box** on the navigation menu. The **Custom Boxes** page opens.
2. Select the custom box you want to work with by clicking on its Number or Box Name. If the box is password-protected, enter the password. The documents contained in the custom box are displayed with its name, date of creation, size, etc. You can choose **List View** or **Thumbnail** to view the box contents.

   To search the document in the custom box, you can open the custom box, enter the document name in the **File Name** window and click the magnifying glass icon.
3. In the custom box, select the check box next to the name of the document that you want to apply the action. You can select more than one document simultaneously.

Deleting a Document

1. Select the document to delete as described above.
2. Click **Delete** icon.

Moving a Document from Box to Box

1. Select the document to move as described above.
2. Click **Move** icon. The **Move Settings** page opens. The selected file is shown in **Selected Files**.
3. Select the box to move the document to in **Destination**. If the box is password-protected, enter the password.
4. Click **Move** button. The document is moved to the box.

Copying a Document from Box to Box

1. Select the document to copy as described above.
2. Click **Copy** icon. The **Copy Settings** page opens. The selected file is shown in **Selected Files**.
3. Select the box to store the copied document in **Destination**. If the box is password-protected, enter the password.
4. Click **Copy** button. The document is copied into the box.

Joining Documents in One

1. Select the documents to join as described above.
2. Click **Join** icon. The **Join Settings** page opens. The selected file is shown in **Selected Files (Join Order)**.
3. If desired, change the order of the documents to be joined by clicking **Top**, **Up**, **Down**, and **Bottom**. You can exclude a document from the **Selected Files (Join Order)** list by clicking **Delete**.
4. Name the new document which the documents selected are joined in **File Name**.
5. Click **Join** button. The documents are joined in the new document.

Downloading a Document to a PC

1. Select a document you want to download and store into your PC as described above. You can download only one document at a time.
2. Click **Download** icon. The Download Settings page opens. The selected file is shown in **Selected Files**.

   If you want to download the selected page in a file, click **Settings** in **Selected Files**. After selecting the desired pages, click **Submit** button.
3. Use the **Color Selection** drop-down list if you want to change the color of the document after downloading. For example, you can download a color document as a monochrome document when it is stored in a PC.
4. Use the **File Format** drop-down list to select the type of the document you want to send.
5. Click **Download** button to begin downloading. Enter the name and destination of the document as you are prompted.

   Note: If downloading is interrupted by the web browser's pop-up blocking, perform the following:

   - For example, on Internet Explorer 11, go to **Tools** > **Internet options** > **Privacy** > **Pop-up Blocker**, and disable **Turn on Pop-up Blocker** to turn off pop-up blocking. Or, click **Settings** on **Pop-up Blocker** and enter the machine's IP address in **Allowed sites**.
   - If pop-up blocking is still engaged, on Internet Explorer 11, go to **Tools** > **Internet Options** > **Security** > **Custom level** > **Use Pop-up Blocker** and select **Disable**.
   - If downloading won't complete, try to turn off SmartScreen Filter by browsing to **Safety** > **Turn Off SmartScreen Filter** on Internet Explorer 11.

Sending a Document to a Destination

1. Select a document you want to send as described above. You can send only one document at a time.
2. Click **Send** icon. The **Send Settings** page opens. The selected file is shown in **Selected Files**.
3. In **Destination**, select a destination from **Address Book**, **E-mail**, and **Folder**.

   To select a destination, select **Address Book** to display the destinations currently registered (depending on **E-mail**, **Folders**, or **Groups**). Note, however, only **Address Book** is displayed if the entry of new addresses is prohibited in the device's system menu.

   To delete a destination from **Destinations**, click **Delete** icon. If you want to print the selected page in a file, click **Settings** in **Selected Files**. After selecting the desired pages, click **Submit** button.
4. Use the **Color Selection** drop-down list if you want to change the color of the document to send. For example, you can send a color document as a monochrome document.
5. Name the document in **File Name**.
6. Enter the date of sending and job ID in **Additional Information**. These entries are appended in the file name.
7. Use the **File Format** drop-down list to select the type of the document you want to send.

8. Click **Send** button. If you are prompted to confirm sending, in case **Confirmation** Screen is activated on the device's operation panel, make confirmation. The document is sent to the destination.

Printing a Document

1. Select the document(s) to print as described above.
2. Click **Print** button. The **Print Settings** page opens. The selected file is shown in **Selected Files (Print Order)**.
3. If desired, change the order of the documents to be joined by clicking **Top**, **Up**, **Down**, and **Bottom**. You can exclude a document from the **Select Pages (Print Order)** list by clicking **Delete**.

   If you want to print the selected page in a file, click **Settings** in **Selected Pages to Process**. After selecting the desired pages, click **Submit** button.
4. Enter the number of copies to print in **Copies**. When clicking **Delete after Print**, the document is deleted after printing.
5. Use the **Paper Selection** drop-down list if you want to change the paper source.
6. Use the **Color Selection** drop-down list if you want to change the color of the document when it is printed.
7. In **Functions**, change settings for **Duplex**, **Combine**, **EcoPrint**, and **Ink Save Level** as desired.
8. Click **Print** button. The document is printed.

Deleting a Custom Box

1. Click **Custom Box** under **Document Box** on the navigation menu. The **Custom Boxes** page opens.
2. Click **Delete** icon once. This will not delete any custom box yet, but this will let the checkboxes (**Select**) appear to the left.
3. Select the custom box you want to delete by selecting the checkbox to the left. You can select only one custom box to delete at a time.
4. You can enter the box name in the **Box Name** window and click the magnifying glass icon to quickly search the custom box.
5. Click **Delete** icon.

Job Box Settings

The section below explains how to change the number of Quick Copy jobs and set automatic delete times for temporary jobs in Job Box. Also, you can determine whether documents are automatically deleted or retained after printing.

1. Click **Job Box Settings** under **Document Box** on the navigation menu. The **Job Box Settings** page opens.
2. Enter the value in **Quick Copy Job Retention**. You can select Quick Copy jobs from 0 to 300.

3. To delete automatically the temporary retained jobs after printing, select **1 hour**, **4 hours**, **1 day**, or **1 week** on the **Deletion of Job Retention** drop-down list. If you do not want to delete the jobs after printing, select **Off** on the **Deletion of Job Retention** drop-down list.

4. After confirming the settings, click **Submit** button.

5 Address Book

Address Book contains **Machine Address Book** and **External Address Book**. You can also specify the address quickly by assigning it to the **One-Touch key**.

Machine Address Book

This section explains you to add, edit or delete contacts in the machine address book.

Contacts

This subsection explains how to add, edit or delete contacts in the machine address book.

In the **Addresses** page, contacts and groups are listed together. Contacts are identified by the single person icon and groups by the triple person icon. You can filter to display only the contacts or groups by choosing **Contact** or **Group** on the **Type** drop-down list.

Adding a New Contact

1. Click **Machine Address** under **Address Book** on the navigation menu. The **Addresses** page opens.
2. Click **Add** icon. The **New Contact - Property** page opens.
3. Enter the contact's **Number**, **Name** and **E-mail**.

   You can also enter SMB and FTP access information for the contact including a shared folder accessible from Microsoft Windows Network. Specify **Host Name**, **Port Number**, **Path** to the shared folder, **Login User Name**, and **Login Password** for the contact. When the **Test** button is pressed, this machine tries to connect to the SMB or FTP server.

   If you use the host name, you must first specify the DNS server information.
4. Click **Submit** button. To cancel, click **Back** button.

Editing a Contact

The steps below allow you to modify the number or name, e-mail address, SMB and FTP information of a contact.

1. Click **Machine Address** under **Address Book** on the navigation menu. The **Addresses** page opens.
2. Click the contact's **Number** or **Name** you want to edit. The **Property** page appears.

   Alternatively, you can directly enter the address number in the **Address #** window and click **Go to**, or enter the address name in the **Address Name** window and click the magnifying icon, to quickly search the contact.
3. Modify **Number**, **Name**, or **E-mail** of the contact.

4. Modify the settings for SMB and FTP accesses as desired. When the **Test** button is pressed, this machine tries to connect to the SMB or FTP server.

   Note: You can also select **Connection Test (Encrypted TX)** when you try to connect to the FTP server.

5. Click **Submit** button. To cancel, click **Back** button.

Deleting a Contact

1. Click **Machine Address** under **Address Book** on the navigation menu. The **Addresses** page opens.

   Select the contact(s) you want to delete by selecting the checkbox to the left.

2. If you want all contacts displayed on the page deleted, click **Check All** icon. To deselect all, click **None** icon.

3. Click **Delete** icon once.

Adding a New Group

1. Click **Machine Address** under **Address Book** on the navigation menu. The **Addresses** page opens.

2. Click **Add Group** button. The **New Group - Property** page opens.

3. Enter the group's **Number**, or leave it to the system to automatically assign a number, and the group's **Name**.

4. Add contacts to the group by clicking the **Add** icon. The **Addresses** page appears.

5. Select the contact to join the group by checking the **Select** checkbox to the left. You can select more than one document simultaneously. Note that the contacts to join must already have been existent on the **Addresses** page.

6. Click **Submit** button. You are returned to the **Property** page. To delete a contact, select a contact and click the **Delete** icon.

7. Click **Submit** button. Repeat the above steps to add more groups.

Edit Group

1. Click **Machine Address** under **Address Book** on the navigation menu. The **Addresses** page opens.

2. Click the group’s **Number** or **Name** you want to edit. The **Property** page of the group opens.

   Alternatively, you can directly enter the group number in the **Address #** window and click **Go to**, or enter the group name in the **Address Name** window and click the magnifying icon, to quickly search the group.

3. Modify the group's **Number** and **Name** as desired.

4. Add contacts to the group by clicking the **Add** icon. The **Addresses** page appears.

5. Select the contact to join the group by checking the **Select** checkbox to the left. You can select more than one document simultaneously.

You can filter contacts by selecting **E-mail** or **Folder** on the **Type** drop-down list.

6. Click **Submit** button to add the contacts. You are returned to the **Property** page.

   To delete a contact, select a contact and click **Delete** icon.

7. Click **Submit** button. You are returned to the **Address** page.

Delete group

1. Click **Machine Address** under **Address Book** on the navigation menu. The **Addresses** page opens.
2. Select the group(s) you want to delete by selecting the check box to the left.

   If you want all groups displayed on the page deleted, click **Check All** icon. To deselect all, click **None** icon.

   Note: Deleting a group does not delete the contacts joined in the group.
3. Click **Delete** once.

External Address Book Settings

This section explains how to use the external address book.

1. Click **External Address Book Settings** under **Address Book** on the navigation menu. **External Address Book Settings** page opens.
2. Confirm that **LDAP** is set to **On**. If the **LDAP** is **Off**, make settings in **Protocol**.
3. Click **On** of the desired external address book(s), and then click **Settings** button. **External Address Book 1 (to 4) Settings** page opens.
4. If prompted, configure the following settings for External Address Book.

   External Address Book Name

   Enter the external address book name.

   LDAP Server

   Configure the LDAP server.
   1. **LDAP Server Name**: Specifies a name or IP address for the LDAP server.
   2. **LDAP Port Number**: Sets the port number used by LDAP. The default port is 389.
   3. **Search Timeout**: Specifies the timeout in seconds after which a search on the LDAP server expires.
   4. **Login User Name**: Enter the name of the user to access the LDAP server.
   5. **Login Password**: Enter the password of the user to access the LDAP server.
   6. **Max Search Results**: Enter the maximum value of the search results using Search Settings.
   7. **Search Base**: Enter the basic information of search.
      Entry example of Search Base is as follows.
      To search through the "Users" container in the Active Directory "serv.example.com" domain:
      cn=Users,dc=serv,dc=example,dc=com

      To search through the "Sales div" Organizational Unit (OU) in the Active Directory "serv.example.com" domain:
      ou="Sales div",dc=serv,dc=example,dc=com

To search through the user's container "Hanako Yamada" which belongs to "Sales2" Organizational Unit (OU) in the Active Directory "serv.example.com" domain:
cn="Hanako Yamada",ou=Sales2,dc=serv,dc=example,dc=com

If there are one or more blank spaces in each of value, you have to enclose the value in double quotation marks (").

8. **LDAP Security**: Configure this setting in the **Protocol Settings** page under **Network Settings**.
9. **Authentication Type**: Select an authentication type from the drop-down list.
10. **Connection Test**: This will test one transmission for each press, attempting to establish communication with the LDAP server.

Display Sequence

Select a Display Mode from **Display from the first name** and **Display from the family name** on the drop-down list.

Search Settings 1 (to 2)

You can configure the following settings.

1. **Search Criteria**: Enter **Display Name** and **LDAP Attribute** as a search criteria.
2. **Return Value**: Enter **LDAP Attribute** as a return value and select **Job Type** from the drop-down list.
3. **Optional Return Value**: Enter **Display Name** and **LDAP Attribute** as an optional return value.

5. If prompted, configure the following settings for External Address Book (external server).

External Address Book Name

Enter the external address book name.

LDAP Server Settings

Configure the LDAP server.

1. **LDAP Server Name**: Specifies a name or IP address for the LDAP server.
2. **LDAP Port Number**: Sets the port number used by LDAP. The default port is 389.
3. **Search Timeout**: Specifies the timeout in seconds after which a search on the LDAP server expires.
4. **Login User Name**: Enter the name of the user to access the LDAP server.
5. **Login Password**: Enter the password of the user to access the LDAP server.
6. **Max Search Results**: Enter the maximum value of the search results using Search Settings.
7. **Search Base**: Enter the basic information of search.
   Entry example of Search Base is as follows.
   To search through the "Users" container in the Active Directory "serv.example.com" domain:
   cn=Users,dc=serv,dc=example,dc=com

   To search through the "Sales div" Organizational Unit (OU) in the Active Directory "serv.example.com" domain:
   ou="Sales div",dc=serv,dc=example,dc=com

   To search through the user's container "Hanako Yamada" which belongs to "Sales2" Organizational Unit (OU) in the Active Directory "serv.example.com" domain:
   cn="Hanako Yamada",ou=Sales2,dc=serv,dc=example,dc=com

If there are one or more blank spaces in each of value, you have to enclose the value in double quotation marks (").

8. **LDAP Security**: Configure this setting in the **Protocol Settings** page under **Network Settings**.
9. **Authentication Type**: Select an authentication type from the drop-down list.
10. **Connection Test**: This will test one transmission for each press, attempting to establish communication with the LDAP server.

Display Sequence Settings

Select a Display Mode from **Display from the first name** and **Display from the family name** on the drop-down list.

Search Settings 1 (to 2)

You can configure the following settings.

1. **Search Criteria**: Enter **Display Name** and **LDAP Attribute** as a search criteria.
2. **Return Value**: Enter **LDAP Attribute** as a return value.
3. **Optional Return Value**: Enter **Display Name** and **LDAP Attribute** as an optional return value.

6. After confirming the settings, click **Submit** button.

One Touch Key

This section explains how to register the address to the One Touch key.

Registering a new One Touch key

1. Click **One Touch Key** under **Address Book** on the navigation menu. **One Touch Key List** opens.

2. Click **Settings** of the One Touch Key which you want to register. The **One Touch Key Property** page opens.

3. Enter the **Display Name** and **Destination** in the **One Touch Key Property**. You can call the address registered in the Address Book by clicking **Address Book**. You can select the type of addresses using the **Type** drop-down list in the **Addresses** page.

Click **No.** or **Name** of the address you want to register. The address name and the property information are shown. Select the contact you want to register by checking the radio button to the left. You can check only one contact to assign at a time.

You can enter the address name in the **Address Name** window and click the magnifying glass icon to quickly search the contact.

4. After confirming the settings, click **Submit** button.

Edit one touch key

1. Click **One Touch Key** under **Address Book** on the navigation menu. **One Touch Key List** opens.

2. Enter the key number in the **Key #** windows and click **Go to**. The **Property** page appears.

3. Make entries required to modify the Display Name and the Destination. Click **Delete** to delete the destination.

4. After confirming the settings, click **Submit** button.

Delete One Touch Key

1. Click **One Touch Key** under **Address Book** on the navigation menu. **One Touch Key List** opens.
2. Click **Delete** of the One Touch Key which you want to delete.

6 Device Settings

If prompted, configure the following settings. See the sections below for detailed information.

- Paper/Feed/Output
- Original Document
- Energy Saver/Timer
- Date/Time
- System

Paper/Feed/Output

This section includes settings that apply to paper size and media type for the paper loaded in the MP tray and the cassettes, configuring cassette group, paper output, and the other detailed properties.

Cassette Settings

1. Click **Paper/Feed/Output** under **Device Settings** on the navigation menu. The **Paper/Feed/Output Settings** page opens.
2. When you load the paper (custom paper) which is not registered in Paper Catalog in the cassette, select the paper attributes.

   When you load the paper which is registered in Paper Catalog in the cassette, go to step 3.

Paper Size

Select a paper size from the drop-down list.

Media Type

Select a media type from the drop-down list.

Paper Weight

Select a paper weight from the drop-down list.

Note: The range of paper weight changes according to the media type.

Paper Color

Select a paper color from the drop-down list.

Main Unit Paper Feed Speed

If a paper jam occurred in the paper feeder or according to the media type, select Low or Normal as a speed.

Paper Feeder Action

If a multi feed or no paper feed occurred when feeding paper from the paper feeder, select a setting from the drop-down list.

Main Unit Decurl Adjustment

If a paper curl occurred when finishing from the right tray, select a setting from the drop-down list.

DE Unit Decurl Adjustment

If a paper curl occurred when finishing from the 4,000-sheet finisher or 5,000-sheet stacker, select a setting from the drop-down list.

Ink Discharge Distance

Perform this adjustment if ink splashing or color drift occurs on the output result, or paper jams occur.

Print Position Settings

Print out a test chart using the operation panel, and select a setting of Timing Data Adjustment (Front Side), Timing Data Adjustment (Back Side), Centering Correction (Front Side), Centering Correction (Back Side), and Paper Loop Amount Adjustment from the drop-down list.

Note: For how to printing a test chart and measuring method of adjustment value, refer to the machine's Operation Guide.

Adjust Motor Speed Settings

To feed paper, the speeds of the resistance motors before and after the feeding unit and the speed of the drying belt motor must made to match, using the speed of the main unit feeding belt as a reference. Adjust this setting if there is color drift in only the leading edge or trailing edge of the paper.

Note: For how to printing a test chart and measuring method of adjustment value, refer to the machine's Operation Guide.

3. When you load the paper which is registered in Paper Catalog in the cassette, click **Settings** button.

   The Paper Catalog screen appears.

4. Select a paper brand from the list.

   Note: You can refine search the paper brand by selecting Paper Size and Weight respectively. You can also search by entering paper brand in Name.

5. Click **Submit** button.

   A paper brand id displayed in Paper Catalog.

   Note: When you change the paper brand or switch to the custom paper, click **Delete** button and go to step3.

6. Click **Submit** button.

MP Tray Settings

Refer to **Cassette setting** above for settings and procedures.

Group Settings

1. Click **Paper/Feed/Output** under **Device Settings** on the navigation menu. The **Device Settings** : **Paper/Feed/Output** Settings page opens.
2. Select the cassette(s) corresponding to your desired group arrangement.
3. After confirming the settings, click **Submit** button.

Other Settings

1. Click **Paper/Feed/Output** under **Device Settings** on the navigation menu. The **Paper/Feed/Output Settings** page opens.
2. You can configure the following settings.

Default Paper Source

You can select the cassette or MP Tray feed the paper with priority.

Paper Selection

You can select **Auto** or **Default Paper Source** by clicking the drop-down list.

Auto Paper Selection

You can select **Most Suitable Size** or **Same as Original Size** by clicking the drop-down list.

Special Paper Action

You can select **Adjust Print Direction** or **Speed Priority** by clicking the drop-down list.

Media for Auto (Color)

You can select the media type when Auto is selected in Paper Selection for color printing.

Media for Auto (B&W)

You can select the media type when Auto is selected in Paper Selection for black and white printing.

Paper Size for Small Original

You can select Default Paper Size or the paper size by clicking the drop-down list when an original of a small size, such as a card, which the scanner cannot detect is printed.

Original Size of Undetected Original

Specify the action when original size is not detected. When you select **Use Default Source Size**, the original size is set to paper size of the default paper source. When you select **Display Size Selection Screen**, the paper size selection screen appears on the machine's operation panel. Select the desired paper size.

Offset One Page Documents

You can select whether offset stacking (**On**) or not (**Off**) when printing documents comprised of only one page.

Offset Documents by Job

You can select whether offset stacking (**On**) or not (**Off**) when printing documents comprised of each job.

Separator Paper Source

You can select the cassette or MP Tray feed the separator sheet by clicking the drop-down list.

Show paper Setup Message

You can select whether display (On) or not (Off) the confirmation screen when loading the paper in each paper source.

Spool Print Data

Configure whether you spool and print the job.

Ink jet Matte Paper Action

Select the print mode when using the inkjet matte paper.

Note: When you print documents with high coverage rate, select **High Print Coverage Mode**.

3. After confirming the settings, click **Submit** button.

Paper Detail Settings

1. Click **Paper/Feed/Output** under **Device Settings** on the navigation menu. The **Paper/Feed/Output Settings** page opens.
2. Click **Settings** in **Paper Detail Settings**. The **Paper Details Settings** page opens.

You can configure the following settings.

Media Type Settings

You can select the paper weight as well as specifying whether or not to use duplex printing and entering the custom paper name.

3. After confirming the settings, click **Submit** button.

Paper Entry Settings

1. Click Paper/Feed/Output under Device Settings on the navigation menu. The **Paper/Feed/Output Settings** page opens.
2. Click **Settings** button under **Paper Entry** Settings. The **Paper Catalog** page appears.
3. Select a paper brand from the list. When you select a paper brand which registered in the Fiery controller, go to step 4.

The Paper Catalog type and name, paper size, paper weight, media type and the machine adjustment parameters configured to the paper brand are displayed.

Note: You can refine search the paper brand by selecting **Paper** and **Size** respectively. You can also search by entering paper brand in **Name**.

4. When you select a paper brand registered from the Fiery controller, you can configure the settings such as main unit paper feed speed and print position setting. The configured settings is reflected when printing.

   For details, refer to *Cassette Settings* on page 20. Click **Submit** button.

5. Click **Back** button.

Original Document

This section explains how to configure the original.

Auto Detect Original Size

1. Click **Original Document** under **Device Settings** on the navigation menu. The **Original Document** page opens.
2. You can configure the following settings.

   System of Units

   Select **Metric** or **Inch** as measurement of original document for auto detect. If you select **Metric**, **A6/Hagaki**, **Folio**, and **11 x 15"** are displayed. If you select **Inch**, select an original size (Legal, OfficioII or 216 x 340 mm) from the drop-down list.

   Default Original Size (Platen)

   Select the default size of original placed on the platen glass. When selecting **Off**, a confirming screen appears before scanning.

   Displayed when System of Units is set to Metric

   A6/Hagaki

   Select **A6** or **Hagaki** (postcard) as a original size for auto detect. When you select **Hagaki** (postcard), only an original placed on a platen can be detected.

   Folio

   Select **On** when you want to detect the Folio-size document automatically.

   11 x 15"

   Select **On** when you want to detect the 11 x 15"-size document automatically.

3. You can select A6 or Hagaki for A6/Hagaki and On (auto detection) or Off for Folio and 11 x 15”, according to the machine type.
4. After confirming the settings, click **Submit** button.

Custom Original Size

1. Click **Original Document** under **Device Settings** on the navigation menu. The **Original Document** page opens.
2. Select **On** or **Off** for each Custom Original (**1** to **4**). When you want to change the settings, enter the length (**X**) and width (**Y**) of the Custom Paper.

   Note: You can enter the length of Custom Paper without selecting **On** or **Off** according to the machine.

3. After confirming the settings, click **Submit** button.

Energy Saver/Timer

This section explains how to configure the Energy Saver Settings and Timer Settings.

Energy Saver Settings

1. Click **Energy Saver/Timer** under **Device Settings** on the navigation menu. The **Energy Saver/Timer Settings** page opens.
2. You can configure the following settings.

Sleep Level

Select **Quick Recovery** or **Energy Saver**. Even if you selected either sleep level, the machine can recover from the sleep mode when you press any key on the operation panel or the machine received the print job.

Quick Recovery recovers from the sleep mode faster than Energy Saver.

Energy Saver reduces power consumption even more than **Quick Recovery**, and allows sleep mode to be set separately for each function. The time required for the machine to wake up from the sleep mode and resume normal operation will be longer than for **Quick Recovery**.

Alternatively, on some models, the **Sleeping** page appears on the embedded web server while the system is engaged in Energy Saver. You can click **Start** on the **Sleeping** page.

Sleep Rule

If you have selected Energy Saver mode of sleeping, click **On** of the appropriate radio button for the interface or device you would like to engage in Energy Saver. Click **Off** if you do not want to engage Energy Saver for the interface or device. For example, if you want the print data received by the network interface always to wake the machine to continue printing, click **Off** next to **Network**.

Auto Sleep

Click **Settings** button to open the **Auto Sleep Settings** page. Click **On** if you want to use Auto Sleep and click **Submit** button.

Sleep Timer

Specify the time period in the drop-down list, after that time period the system enters Auto Sleep Mode.

Power Off Timer

Specifies the time from 1 hour to 1 week after which the system enters the power off mode, where the device automatically turns off after a certain amount of time elapses the device was last used.

Power Off Rule

Click **On** of the appropriate radio button for the interface or device you would like to engage in power off mode. Click **Off** if you do not want to engage power off mode for the interface or device.

Energy Saver Recovery Level

Select **Full Recovery**, **Normal Recovery**, or **Power Saving Recovery**.

3. After confirming the settings, click **Submit** button.

Timer Settings

1. Click **Energy Saver/Timer** under **Device Settings** on the navigation menu. The **Energy Saver/Timer Settings** page opens.
2. This page allows the following settings:

Auto Panel Reset

Configures the panel to be automatically reset. Activate this setting to open **Panel Reset Timer** and specify the time between 5 and 495 seconds after that the panel will be automatically reset.

WSD scan timer

This determines the time period before the machine reverts to normal mode, after WSD scan mode has been engaged. The range is 10 to 495 seconds (in 5-second increments).

Weekly timer

This page allows the following settings: Activate or deactivate this setting. To make advanced settings, click **Settings**. The **Weekly Timer Settings** page appears. In **Schedule**, set to turn power on or off for each day of the week. Enter time for activation. To set the time of retries, specify the limit of retries in **Retry Times** and enter a value in **Retry Times** and **Retry Interval**.

Auto File Deletion Time(Custom Box)

Set the time to automatically delete stored documents in the custom box.

3. After confirming the settings, click **Submit** button.

Date/Time

This section includes advanced settings on date and time.

Date/Timer Settings

1. Click **Date/Time** under **Device Settings** on the navigation menu. The **Date/Time Settings** page opens.

The following items are displayed:

Current Local Time

Displays the time that is currently set in the machine.

Current Universal Time (UTC/GMT)

Displays the Greenwich Mean Time that is currently set in the machine.

2. Make changes in the settings if needed.

Select **Date**, **Year**, **Month**, **Day**, **Time**, **Date Format**, **Time Zone**, or **Summer Time/ Daylight Saving Time** which you want to make a change.

3. After confirming the settings, click **Submit** button.

Synchronize

1. Click **Date/Time** under **Device Settings** on the navigation menu. The **Date/Time Settings** page opens.
2. Make changes in the settings if needed.

   If a time server is used to synchronize the time as well, the current time can be adjusted regularly and easily. Enter the host name or IP address of the time server and click the **Synchronize** button.

   If you use the host name, you must first specify the DNS server information.

   Time information is required when you receive reports from this machine via E-mail. It is recommended that you set the time when the report mail function is enabled.
3. Click **Submit** button.

System

This section includes advanced settings that apply to the system.

If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

Device Information

1. Click **System** under **Device Settings** on the navigation menu. The **System Settings** page opens.
2. Make changes in the settings if needed.

   Enter **Host Name**, **Asset Number**, and **Location**, accordingly.

   If you use the host name, you must first specify the DNS server information.
3. Click **Submit** button.

General

1. Click **System** under **Device Settings** on the navigation menu. The **System Settings** page opens.
2. Make changes in the settings if needed.

   Language

   Select the language.

   Software Keyboard Layout

   Select an appropriate type of keyboard.

   USB keyboard type

Select an appropriate type of USB keyboard.

Override A4/Letter

Specifies whether or not the A4 and Letter size paper should be interchangeable. When turned **On**, for example, if the A4 paper is not in the tray, the Letter size paper will be selected for printing. When turned **Off**, the Letter size paper will not be used in place of the A4 paper, when A4 is selected for printing but the A4 tray is empty.

Measurement

Select the unit of measurement for entry.

Preset Limit

Specify the number of copies limited to print.

Default Screen

Select the screen to set as the default screen.

Default screen (Send)

Select the screen to set as the default screen.

Orientation Confirmation

Activate or deactivate the prompt that confirms the orientation of original documents.

Bluetooth

Specifies whether to use the bluetooth keyboard.

3. Click **Submit** button.

Error Settings

1. Click **System** under **Device Settings** on the navigation menu. The **System Settings** page opens.
2. Make changes in the settings if needed.

MP Tray Empty

Activate or deactivate the attention display when the MP tray has become empty.

Auto Error Clear

Activate or deactivate automatic error clearing at an error.

Error Job Skip

Activate or deactivate automatic job skipping at an error. If activated, printing will automatically resume by skipping the job in error after the time period that you can specify from 5 to 90 seconds.

Low Ink Alert

Set the amount of remaining ink to notify the administrator when to order a ink cartridge when the ink is running low.
This notification is used for event report, Status Monitor, SNMP Trap.

Selecting [Off] alerts you low ink when the amount of remaining ink becomes 5%. If [On] is selected, set the amount of remaining ink to alert. The setting range is 5 to 100%.

Ink Waste Full Alert

Activate or deactivate the attention display when waste ink box is becoming full. If activated, the attention display will appear in **Ink Waste Full Alert Setting** that you can specify from 10 to 90.

Paper Centering Error

Set the processing method when a centering error is detected during printing.

Eject Ink Where There Is No Paper

Set the processing method when a centering error is detected during printing.

3. Click **Submit** button.

7 Function Settings

If needed, make the following settings: See below for detailed information.

- Common/Job Default
- Copy
- Printer
- E-mail
- Scan to Folder
- DSM Scan
- Send and Forward
- Operation Panel

Common/Job Default

In this section, you can make settings for the following items:

Common Settings

1. Click **Common/Job Defaults** under **Function Settings** on the navigation menu. The **Common/Job Default Setting**s page opens.
2. Make changes in the settings if needed.

   Auto % Priority

   Activate or deactivate automatic zooming with priority.

   OCR Text Recognition Action

   Select **Quality Priority** or **Speed Priority**.

   High Compression PDF Mode

   You can prioritize to ensure smaller file sizes or better quality text representation in high-compression PDF format.
3. Click **Submit** button.

Job Default Settings

1. Click **Common/Job Default**s under **Function Settings** on the navigation menu. The **Common/Job Default Setting**s page opens.
2. You can make changes for the following items as required.

   File name

   Name the default document used in the print job.

   Additional Information

   Select the date, job number, etc.
3. Click **Submit** button.

Scan Default Settings

1. Click **Common/Job Defaults** under **Function Settings** on the navigation menu. The **Common/Job Default Setting**s page opens.

2. You can make changes for the following items as required.

Original Orientation (Copy)

You can select **Auto**, **Top Edge on Top** or **Top Edge on Left** as the original orientation.

Original Orientation (Send/Store)

You can select **Auto**, **Top Edge on Top** or **Top Edge on Left** as the original orientation.

Color Selection (Send/Store)

This selects color mode for scanning or storing. **Auto Color (Color/Grayscale)** and **Auto Color (Color/Black & White)** allow you identify color for the original document to scan. You can manually select **Full Color**, **Grayscale** or **Black & White** to forcedly switch color mode.

Scan Resolution

Specifies the resolution for scanning. The resolutions available differ depending on the model, current color mode, and the saving format of files.

Original Image (Copy)

The original quality for scanning or storing must be selected according to the type of the original. Select from **Text+Photo (Printer)**, T**ext+Photo (Magazine)**, **Photo (Printer)**, **Photo (Magazine)**, **Photo (Photo Paper)**, **Text**, **Text (Fine Line)**, **Graphic/Map (Printer)**, and **Text**.
Note: You can select Color table from the drop-down list when it is downloaded.

Original image (Send/Store)

The original quality for scanning or storing must be selected according to the type of the original. Switch the original quality from **Text+Photo**, **Photo**, **Text**, and **Light Text/Fine Line**.

Zoom

This switches the zoom ratio between **Auto** and **100%**. The default setting is **100%**.

Background Density (Copy)

This removes dark background from originals, such as newspapers, when copying.

Background Density (Send/Store)

This removes dark background from originals, such as newspapers, when sending or storing a job.

Continuous Scan (Copy)

Activates or deactivates Continuous Scan for copy.

Continuous Scan (Send/Store)

Activates or deactivates Continuous Scan for send or store.

Border Erase

Set the width of the outer and inner borders to erase in 0 to 50mm. You can set border erase for the reverse side.

Prevent Bleed-through (Copy)

Activate or deactivate Prevent Bleed-through for copying.

Prevent Bleed-through (Send/Store)

Activate or deactivate Prevent Bleed-through for sending and storing.

Skip Blank Page (Copy)

Activate or deactivate Skip Blank Page for copying.

Skip Blank Page (Send/Store)

Activate or deactivate Skip Blank Page for sending and storing.

Prevent Light Reflection

Activate or deactivate Prevent Light Reflection when using the Erase Shadowed Areas feature.

3. Click **Submit** button.

Output Default Settings

1. Click **Common/Job Default**s under **Function Settings** on the navigation menu. The **Common/Job Default Setting**s page opens.
2. You can make changes for the following items as required.

EcoPrint

Switches EcoPrint **On** or **Off** to control ink consumption for saving the printing costs. The default setting is **Off**. When selecting **On**, you can select **Ink Save Level** from **1 (Low)** to 5 **(High)**, according to the machine.

Margin

You increase or decrease the top and left gutters from -18 to +18mm.

JPEG/TIFF Print

This determines the physical size of JPEG images when printing them from a USB flash device. Choices include **Fit to Paper Size**, **Image Resolution**, and **Fit to Print Resolution**.

XPS Fit to Page

This determines the page size for printing XPS data. Turn **On** to fit print data over the page size and turn **Off** to print in the original size.

Collate/Offset

Select the default collate/offset settings. When **Collate** is set to **On**, the documents are collated by copy (**Offset** is set to **Each Set**). When **Collate** is set to **Off**, the documents are collated by page (**Offset** is set to **Off**).

E-mail Template

This allows to create a template for entering a subject and body information of E-mail. Up to three templates can be created and configured with the default settings.

3. Click **Submit** button.

Copy Default Settings

1. Click **Common/Job Default**s under **Function Settings** on the navigation menu. The **Common/Job Default Setting**s page opens.
2. You can make changes for the following items as required.

Color Selection (Copy)

This selects color mode for copying. **Auto Color** automatically identifies a full color or black and white original. You can manually select either **Full Color** or **Black & White** to forcedly switch color mode.

Auto Image Rotation

Activate or deactivate automatic image rotation mode.

DP Read Action

You can prioritize to use the document processor either in faster scanning or better quality scanning.

Repeat Copy

Enables additional copies in the desired quantity as necessary after a copy job is completed.
Note: **Repeat Copy** is not displayed when an optional Data Security Kit is activated or a Repeat Copy job is cleared.

3. Click **Submit** button.

File Default Settings

1. Click **Common/Job Defaults** under **Function Settings** on the navigation menu. The **Common/Job Default Setting**s page opens.
2. You can make changes for the following items as required.

File Format

The file format is available from **PDF**, **TIFF**, **JPEG**, **XPS**, **High Compression PDF** **Open XPS**, **Word**, **Excel**, and **PowerPoint**.

Image Quality

This determines the quality of the image when saved, from **1 Low Quality (High Comp.)** to **5 High Quality (Low Comp.)**.

PDF/A

Turns PDF/A-compliant format **PDF/A-1a**, **PDF/A-1b**, **PDF/A-2a**, **PDF/A-2b**, **PDF/A-2u** or **Off**, when File Format above is PDF. PDF/A is an electronic file format for long-term preservation of documents as addressed in the ISO 19005-1 specification.

OCR Text Recognition

You can convert the scanned document to the text data when you selected **PDF** or **High Compression PDF** as the file format.

Primary OCR Language

You can choose the primary OCR language from the drop-down list.

OCR Output Format

You can choose the OCR output format from the drop-down list.
Text + Graphics converts the scanned documents into the editable and searchable Microsoft Office data format.
Text + Graphics with Scanned Image converts the scanned documents into two types of data: one is the editable and searchable Microsoft Office data format and the other one is the Microsoft Office data format with scanned image. You can edit text and layout of the editable data by referring the scanned image.
Scanned Image with Searchable Text converts the scanned documents into the searchable Microsoft Office data format (scanned image).

Color TIFF Compression

This allows to select **TIFF V6** or **TTN2** format for compression of color TIFF images.

File Separation

This extract pages as separate files from an output file. You can specify the number of file separation from 1 to 500 when setting to **Each Page** according to the machine.
When selecting **On**, you can configure how to attach the files to the E-mail. Select **All files in 1 E-mail** to attach and send all files in a single E-mail. Select **1 file per E-mail** to attach and send 1 file per E-mail.

3. Click **Submit** button.

Copy

This section includes advanced settings for copying.

1. Click **Copy** under **Function Settings** on the navigation menu. The **Copy Settings** page opens.
2. You can make changes for the following items as required.

Reserve Next Priority

Activate or deactivate to prioritize the next job reserved.

Color Table (Copy)

You can specify the color table name.
Note: Color table (Copy) is displayed only when it is downloaded.

3. Click **Submit** button.

Function Default

The default settings can be changed in **Common/Job Defaults Settings** page.

Printer

This section includes advanced settings for printing.

If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

General

1. Click **Printer** under **Function Settings** on the navigation menu. The **Printer Setting**s page opens.
2. You can make changes for the following items as required.

Emulation

Set the Emulation Mode.

Paper Feed Mode

Determines the behavior of paper feed selection when the paper you requested of size and/or type is not available in the current paper source. **Auto** lets the machine to search for the matching paper including all the paper sources. **Fixed** does not perform searching in the other paper sources.

Form Feed Timeout

Adjusts the form feed timeout between 5 and 495 seconds in 5-second increments. A form feed will occur in the absence of data during this time period. The default setting is **30** seconds.

Job Name

Select the job number, job name, etc.

User Name

Activate or deactivate to use User Name.

Message Banner Print

Each time a banner page is printed, the machine halts and displays a message that prompts you to continue banner printing. You can activate (**On**) or deactivate (**Off**) this message.

Wide A4

Activate (**On**) or deactivate (**Off**) Wide A4 size for printing.

Auto Cassette Change

You can select the actions when the paper runs out in the paper source while printing.
When selecting **Off**, the machine displays message to load paper in paper cassette and stops printing. Load the paper according to the paper source displayed to resume printing. You can also select the desired paper source.
When selecting **On**, the machine continues printing automatically if the other paper cassette contains the same paper as the currently-used paper cassette.

Printing Job Terminator

You can select the condition which regarded as a jon termination if the print job could not be processed until the end due to your environment and the other reason.
When selecting **EOJ (End of Job)**, the termination of the job data (R RES;!! EXIT;) is regarded as one job until it is detected.
When selecting **End of Network Session**, the data included in a network session at network connection is regarded as one job.
When selecting **UEL (Universl Exit Language)**, the UEL included in the termination of the job data is regarded as one job until it is detected.

Remote Printing

Permit or prohibit remote printing.

3. Click **Submit** button.

Workflow Settings

When you print a job, the print job result is stored in a folder. Configure the settings to connect to the folder using the SMB protocol.

1. Click **Printer** under **Function Settings** on the navigation menu. The **Printer Settings** page opens.
2. Click Settings button. The **Workflow Settings** page opens.
3. You can make changes for the following items.

SMB

Display whether an SMB connection is available or not. Set SMB to **On** on the **Protocol Settings** page.

Print Result Notification

Select whether to notify the print result.

Host Name

Enter the host name. If you use the host name, you must first specify the DNS server information.

Port Number

Enter the port number from 1 to 65535.

Path

Enter the path of folder.

Login User name

Enter the login user name.

Login Password

Enter the login password.

Connection Test

When the Test button is pressed, this machine tries to connect to the folder.

Page Control Settings

1. Click **Printer** under **Function Settings** on the navigation menu. The **Printer Settings** page opens.
2. You can make changes for the following items as required.

Duplex

Select **1-sided**, **2-sided (Bind Long Edge)**, or **2-sided (Bind Short Edge)** as duplex mode.

Copies

Select the number of copies to print.

Page Orientation

Switches **Portrait** or **Landscape** page orientation.

LF Action

Configures LF and CR actions.

CR Action

Configures LF and CR actions.

3. Click **Submit** button.

Print Quality Settings

1. Click **Printer** under **Function Settings** on the navigation menu. The **Printer Settings** page opens.
2. You can make changes for the following items as required.

Gloss Mode

Sets Gloss Mode to **On** or **Off**. The default setting is **Off**. This is only available for some color machines which support Gloss Mode.

Color Selection

Sets Color Mode to **Color** or **Black & White**. This is only available for some color machines.

KIR

Switches KIR smoothing **On** or **Off**.

EcoPrint

Switches EcoPrint **On** or **Off** to control ink consumption for saving the printing costs. The default setting is Off. When selecting **On**, you can select **Ink Save Level** from **1 (Low)** to 5 **(High)** according to the machine.

Resolution

Select the resolution from the drop-down list.

3. Click **Submit** button.

E-mail

This section includes advanced settings for E-mail.

SMTP protocol

1. Click **E-mail** under **Function Settings** on the navigation menu. The **E-mail Setting**s page opens.
2. You can make changes for the following items as required.

SMTP Protocol

Display whether a SMTP connection is available or not. Configure SMTP in **SMTP (E-mail TX)** on the **Protocols Settings** page.

SMTP Server Name

Enter the SMTP server name or its IP address. If entering the name, rather than the IP address, a DNS server address must also be configured. The DNS server address may be entered on the **TCP/IP Settings** page.

SMTP Port Number

Enter the port number that SMTP will use (default is 25). Normally, use port 25, but you can change the port number to suit the email server's application and operation. For example, the default port number for SMTP connections over SSL is 465. The default port number for SMTP authentication is 587.

SMTP Server Timeout

Sets the timeout in seconds during which this device tries to connect to the SMTP server.

Authentication Protocol

Enables or disables the SMTP authentication protocol or sets **POP before SMTP** as the authentication type. When selecting **On** or **POP before SMTP**, you can select user on the drop-down list. When selecting **Other** from **Authentication as**, you can specify **Login User Name** and **Login Password**.

POP before SMTP Timeout

Sets the timeout in seconds during which this device tries to connect to the POP3 server. You can configure this item when you selected **POP before SMTP** as **Authentication Protocol**.

Connection Test

Tests to confirm that the settings on this page are correct. When **Test** button is clicked, this machine tries to connect to the SMTP server.

Domain Restriction

Activate or deactivate to restrict domains. Click **Domain List** button to configure. Enter a domain name that is permitted or rejected. You can also specify the E-mail addresses.

3. Click **Submit** button.

POP3

1. Click **E-mail** under **Function Settings** on the navigation menu. The **E-mail Setting**s page opens.
2. You can make changes for the following items as required.

POP3 Protocol

Display whether a POP3 connection is available or not. Set to **On** on **POP3 (E-mail RX)** of the **Protocol Settings** page. If **Remote Printing** is prohibited, E-mail printing is unavailable. Configure **Remote Printing** in **Printer Settings** page.

POP3 User Settings

Click **Settings** button and configure the following user settings. Up to three users can be set.

1. **User Profile 1** (to **3**): Enables or disables the user.
2. **E-mail Address**: Enter the E-mail address.
3. **POP3 Server Name**: Enter the POP3 server host name or IP address. If you use the host name, you must first specify the DNS server information.
4. **POP3 Port Number**: Enter the port number that POP3 will use (default is 110). Normally, use port 110, but you can change the port number to suit the email server's application and operation. For example, the default port number for POP3 over SSL is 995.
5. **POP3 Server Timeout**: Enter the timeout in seconds during which this machine tries to connect to the POP3 server.
6. **Login User Name**: Enter the login name of the user for the POP3 account.
7. **Login Password**: Enter the password to log in the POP3 account.
8. **Use APOP**: Enables or disables APOP. APOP is an encryption mechanism used for encrypting the Login Password during communication with the POP3 server. When **Use APOP** is **Off**, the Login Password is sent using plain ASCII text. When **Use APOP** is **On**, the Login Password is encrypted, therefore cannot be read. APOP requires that the POP3 server supports APOP, and has APOP enabled.
9. **POP3 Security**: Enables or disables POP3 Security. When this protocol is enabled, either **SSL/TLS** or **STARTTLS** must be selected. To enable POP3 security, the POP3 port may have to be changed according to the server settings.
10. **Connection Test**: This will test one transmission for each press, attempting to establish communication with the POP3 server.

3. Click **Submit** button.

E-mail Send Settings

1. Click **E-mail** under **Function Settings** on the navigation menu. The **E-mail Setting**s page opens.
2. You can make changes for the following items as required.

E-mail Size Limit

Enter the maximum size of E-mail that can be sent in kilobytes. When the value is 0, the limitation for E-mail size is disabled.

Sender Address

Displays the sender address used for E-mails sent from this machine.

Signature

Displays the signature to be inserted in the end of the E-mail body.

Function Default

The default settings can be changed in **Common/Job Default Settings** page.

3. Click **Submit** button.

Scan to Folder

This section includes advanced settings for copying.

FTP Settings

1. Click **Scan to Folder** under **Function Settings** on the navigation menu. The **Scan to Folder Setting**s page opens.
2. This allows you to verity the current settings which follow.

FTP

Display whether a FTP connection is available or not. Set **FTP Client (Transmit)** to **On** on the **Protocol Settings** page.

FTP Port Number

Display the FTP port number. Enter **Port Number** on the **Protocol Settings** page.

SMB Settings

1. Click **Scan to Folder** under **Function Settings** on the navigation menu. The **Scan to Folder Setting**s page opens.
2. This allows you to verity the current settings which follow.

SMB

Display whether an SMB connection is available or not. Set **SMB** to **On** on the **Protocol Settings** page.

SMB Port Number

Display the SMB port number. Enter **Port Number** on the **Protocol Settings** page.

Function Defaults

1. Click **Scan to Folder** under **Function Settings** on the navigation menu. The **Scan to Folder Setting**s page opens.

2. The default settings can be changed in **Common/Job Default Settings** page.

Operation Panel

This section explains how to customize the operation panel.

Customize Status Display

1. Click **Operation Panel** under **Function Setting**s on the navigation menu. The **Customize Operation Panel** page opens.
2. This section includes the following items for configuration.

Printing Jobs

In **Column 1** and **Column 2**, enter the job name, user name, print pages x copies, color/black & white, or printed pages, respectively.

Sending Jobs

In **Column 1** and **Column 2**, enter the destination, job name, user name, original pages or color/black & white, respectively.

Storing jobs

In **Column 1** and **Column 2**, enter the job name, user name, original pages or color/black & white, respectively.

3. Click **Submit** button.

Function Key Settings

1. Click **Operation Panel** under **Function Setting**s on the navigation menu. The **Customize Operation Panel** page opens.
2. This section includes the following items for configuration.

Function Key 1

The copy function is assigned as a default setting. You can register the other function on this key.

Function Key 2

The send function is assigned as a default setting. You can register the other function on this key.

Function Key 3

The custom box function is assigned as a default setting. You can register the other function on this key.

3. Click **Submit** button.

Home

1. Click **Operation Panel** under **Function Setting**s on the navigation menu. The **Customize Operation Panel** page opens.
2. This section includes the following items for configuration.

Customize Desktop

Click **Add function**, **Add Program**, then **Add Extended Function** button, and add an item. Click **Submit** button to finalize settings. Click **Delete** icon to delete the items that are not needed. **Up** and **Down** button allow to interchange the items in order.

Customize Taskbar

Specifies the items to show in the task bar. Activate and deactivate each of **Job Status**, **Device Status**, **Language**, **Paper Settings**, **Help**, **System Menu**, **Counter**, **Optional Numeric Keypad**, **Professional Settings** and **Message Board**.

Background

Allows you to change the background image of the Home screen. Select an image from the **Picture 1** to **Picture 8** on the drop-down list.

3. Click **Submit** button.

Quick Setup Registration

1. Click **Operation Panel** under **Function Setting**s on the navigation menu. The **Customize Operation Panel** page opens.
2. This section includes the following items for configuration. By default, each function is assigned with its standard items.

Copy

Each of **Key 1** to **Key 6** is assigned with one of the copying functions. Select an item from the drop-down list.

Send

Each of **Key 1** to **Key 6** is assigned with one of the sending functions. Select an item from the drop-down list.

Store Document in Box

Each of **Key 1** to **Key 6** is assigned with one of the Store Document in Box functions. Select an item from the drop-down list.

Print Document in Box

Each of **Key 1** to **Key 6** is assigned with one of the Print Document in Box functions.

Send Document in Box

Each of **Key 1** to **Key 6** is assigned with one of the Send Document in Box functions. Select an item from the drop-down list.

3. Click **Submit** button.

8 Network Settings

If needed, make the following settings: See below for detailed information.

- General
- TCP/IP
- Protocols

General

This section includes basic settings for networking.

1. Click **General** under **Network Settings** on the navigation menu. The **General** page opens.
2. The current communication status is shown in **Host Name**. Configure the host name on the **System Settings** page of **Device Settings**.
3. The host name is shown in NetBIOS Name. You can modify the name as necessary.
4. Select **Auto**, **10BASE-Half**, **10BASE-Full**, **100BASE-Half**, **100BASE-Full** and **1000BASE-T** from the **LAN Interface** drop-down list depending on your network environment.
5. The current status is shown in **Client Certificate**. To make advanced settings, click **Settings** button. Select the appropriate certificate on the **Certificate Settings** page that will open. When you click **Certificates**, its content is displayed.

   Click **Submit** button.

   Configure the device certificate on the **Certificates** page.
6. Click **Submit** button.

TCP/IP

This section includes advanced settings for the TCP/IP protocol.

* If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.
2. Select **On** to use TCP/IP.
3. When an IP address that was mapped by the DNS server has been changed, Dynamic DNS automatically remaps the host name to the IP address. To activate the Dynamic DNS Settings, set **Dynamic DNS** to **On**.
4. Click **Submit** button.

Proxy settings

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.
2. To configure the proxy, set **Proxy** to **On**, and specify the following items as necessary.

Automatically Detect

Select **On** when you detect the proxy server automatically.

Use Automatic Configuration Script

Select **On** and enter the address when you use the automatic configuration script.

Proxy Server (HTTP)

Enter the host name or IP address for the proxy server (HTTP). If you use the host name, you must first specify the DNS server information.

Port Number

Enter the port number for the proxy server (HTTP).

Use the Same Proxy Server for All Protocols

Select **On** when you use the same proxy server for all protocols.

Proxy Server (HTTPS)

Enter the host name or IP address for the proxy server (HTTPS). If you use the host name, you must first specify the DNS server information.

Port Number

Enter the port number for the proxy server (HTTPS).

Do Not Use Proxy for Following Domains

Enter the domain address which do not use the proxy. Use a semicolon (;) between multiple addresses.

3. Click **Submit** button.

IPv4 settings

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.
2. This section includes the following items for configuration.

DHCP/BOOTP

Specifies whether or not to automatically obtain an IP address using DHCP or BOOTP.

Auto-IP

When the Auto-IP is set to **On**, the IP address from **169.254.0.1** through **169.254.255.254** will usually be generated by itself. But if the IP address using DHCP server or Manual settings has been decided and becomes a candidate as

the result of configuration, the Auto-IP address isn't generated and decided even when the Auto-IP is set to **On**.
If the IP address has already been entered in **IP Address** using Manual settings, delete the address.
To enable the settings, restart network. Automatically-generated IP address appears on **Configuration** page under **Device Information** on navigation menu.

IP Address

If **DHCP/BOOTP** is set to **Off**, then a static IPv4 address can be entered in this field as part of the system network settings. When **DHCP/BOOTP** is set to **On**, a dynamic IPv4 address is assigned to the device, and the field is grayed out. The format of the IPv4 address is a sequence of numbers separated by dots.
For example: 192.168.110.171

Subnet Mask

Specifies the subnet mask. When **DHCP/BOOTP** is turned **On**, a dynamic IPv4 address is assigned to the device, and the field is grayed out.

Default Gateway

Specifies the IP address of the default gateway. When **DHCP/BOOTP** is turned **On**, a dynamic IPv4 address is assigned to the device, and the field is grayed out.

Domain Name

Specifies the domain name of the domain to which the machine belongs. It should not contain the host printer name, for example, "abcde.com". abcde.com. When **DHCP/BOOTP** is turned **On**, a dynamic IPv4 address is assigned to the device, and the field is grayed out.

DNS Server (Primary, Secondary)

Specifies the IP addresses of the primary and secondary DNS (Domain Name System) servers. When **DHCP/BOOTP** is turned **On** and **Use DNS Server from DHCP** is selected, you can select to use the DNS server obtained via DHCP. When **DHCP/BOOTP** is turned **On** and **Use following DNS Server** is selected, you can enter static DNS server information in the Primary and Secondary fields provided.

DNS Search Suffix (Primary, Secondary)

Specifies the primary and secondary DNS (Domain Name System) search suffix. When **DHCP/BOOTP** is turned **On**, you can select **DNS Search Suffix (Primary)** or **Use following DNS Search Suffix**. When **DHCP/BOOTP** is turned **On** and **Use following DNS Search Suffix** is selected, you can enter static DNS search suffix in the Primary and Secondary fields provided.

WINS Servers (Primary, Secondary)

Specifies the IP addresses of the primary and secondary WINS (Windows Internet Name Service) servers. When **DHCP/BOOTP** is turned **On** and **Use WINS Server from DHCP** is selected, you can select to use the WINS server obtained via DHCP. When **DHCP/BOOTP** is turned **On** and **Use following WINS Server** is selected, you can enter static WINS server information in the Primary and Secondary fields provided.

Host Name

Specifies how to get a host name. When you want to get a host name from the DHCP server, select **Use Host Name from DHCP**. When you want to get a host name using device setting, select **Use Host Name from Device Setting**.

3. Click **Submit** button.

IPv6 Settings

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.
2. This section includes the following items for configuration.

IPv6

Specifies whether or not to enable the IPv6 protocol. Select **On** to use the IPv6 protocol.

IP Address

TA static IPv6 address can be entered in this field for the device as part of the system network settings. Assigns an IPv6 address to the machine network component. The format of the IPv6 address is a sequence of numbers (128 bit in total) separated by colons, e.g. 2001:db8:3c4d:15::1a2c:1a1f.

Prefix Length

Specifies the IPv6 prefix length. It can be a decimal value between **0** and **128**.

RA(Stateless)

When the RA(Stateless) is set to **On** and the network infra-structure provides the IPv6 address prefix in the Router Advertise information, the IPv6 stateless address will be generated on the machine.

DHCPv6 (Stateful)

When the DHCPv6(Stateful) is set to **On** and the network infra-structure provides the "Managed address configuration", the IPv6 Stateful address (128-bit length) will be assigned to the machine by DHCPv6 server.

Default Gateway

Specifies the IPv6 address of the default gateway.

Domain Name

Specifies the domain name of the domain to which the machine belongs. You can enter the domain name when **DHCPv6 (Stateful)** is turned **Off**.

DNS Server (Primary, Secondary)

Specifies the IP addresses of the primary and secondary DNS (Domain Name System) servers. When **DHCPv6 (Stateful)** is turned **On** and **Use DNS Server from DHCP** is selected, you can select to use the DNS server obtained via DHCP. When **DHCPv6 (Stateful)** is turned **On** and **Use following DNS Server** is selected, you can enter static DNS server information in the Primary and Secondary fields provided.

DNS Search Suffix (Primary, Secondary)

Specifies the primary and secondary DNS (Domain Name System) search suffix. When **DHCPv6 (Stateful)** is turned **On**, you can select **DNS Search Suffix (Primary)** or **Use following DNS Search Suffix**. When **DHCP/BOOTP** is turned **On** and **Use following DNS Search Suffix** is selected, you can enter static DNS search suffix in the Primary and Secondary fields provided.

3. Click **Submit** button.

Bonjour Settings

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.
2. This section includes the following items for configuration.

Bonjour

Select **On** or **Off**.

Bonjour Name

When **Bonjour** is turned **On**, **Bonjour Name** is shown. You can modify the name as necessary.

3. Click **Submit** button.

IP Filter (IPv4) Settings

This page allows you to configure IP filters. IP filters restrict access to the machine based on the IP addresses and protocols.

Specify the IP addresses or network addresses of the hosts to which access is granted. If nothing is specified on this page, access from all hosts is allowed.

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.
2. Click **Settings** button. The **IP Filters (IPv4)** page opens.This section includes the following items for configuration.

IP Address (IPv4)

Specifies the IP address or network address to be permitted.

Subnet Mask

Specifies the subnet mask to be permitted. When there are no entries, access is allowed to all.
To allow access to a network, enter the network IPv4 address, and the subnet mask. An example of the data format for the .CSV file is: To permit access from all hosts on network 192, enter "192.0.0.0" for the IP address and "255.0.0.0" for the subnet mask. Subnet mask can be left blank.
To allow access to a single IP address, enter the IPv4 address, and "255.255.255.255" for the subnet mask.

Protocols

Specifies the protocol by which an access is granted. The following protocols can be selected.

- **LPD**

- **FTP**
- **IPP**
- **HTTP**
- **Raw**
- **SNMP**
- **IPP over SSL**
- **HTTPS**

3. Click **Submit** button.

IP Filter (IPv6) Settings

This page allows you to configure IP filters. IP filters restrict access to the machine based on the IP addresses and protocols.

Specify the IP addresses or network addresses of the hosts to which access is granted. If nothing is specified on this page, access from all hosts is allowed.

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.

2. Click **Settings** button. The **IP Filters (IPv6)** page opens.This section includes the following items for configuration.

IP Address(IPv6)

Specifies the IP addresses to which access is granted. When there are no entries, access is allowed to all. The number of addresses that can be specified depends on the IPv6 network address along with the prefix length setting. IPv6 address filtering: To filter a single IPv6 address: Enter the desired IPv6 address, along with a prefix length of 128.

Prefix Length

Specifies the IPv6 prefix length. It can be a decimal value between **0** and **128**.

Protocols

Specifies the protocol by which an access is granted. The following protocols can be selected.

- **LPD**
- **FTP**
- **IPP**
- **HTTP**
- **Raw**
- **SNMP**
- **IPP over SSL**
- **HTTPS**

3. Click **Submit** button.

Logical printers

This page allows you to configure the Logical Printers. This machine can be used as a virtual printer for converting ASCII print data to PostScript data or for adding and/or replacing a character strings (commands) at the beginning or end of job data. Up to four logical printers can be set.

Logical Printer is used with one of the following print protocols: FTP, LPR, IPP, IPPS, SMB (NetBEUI) and RAW. If no port is specified for printing, the default port used will be Logical Printer 1 (LP1), port 9100.

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.

2. Click **Settings** button. The **Logical Printers** page opens.This section includes the following items for configuration

TCP/IP Port Number

Specifies the port number for the logical printer as well as the TCP raw port number (**9100**, etc.). Conversion is applied to data that is input to the specified raw port in accordance with the selected logical printer. This port is invalid if it is given a port number that is the same as that of an already specified port (For example, FTP or LPD).

Bi-directional Printing

Bi-directional Printing can be set to **On** or **Off** when printing to the TCP/IP RAW port. When Bi-directional Printing is **Off**, all Send data is discarded.
In order to have the data that is received from the printer returned to the client when printing with PostScript, PJL and other such commands, it is necessary to set Bi-directional Printing is **On**.

Start of Job String

Specifies the character string sent to the printer after output, directly to the output port (lp port). This character string is used when it is necessary to transmit a control code before the print data is sent.

End of Job String

Specifies the character string sent to the printer after output, directly to the output port (lp port). This character string is used when it is necessary to transmit a control code after the print data is sent.

3. Click **Submit** button.

IPSec Settings

1. Click **TCP/IP** under **Network Settings** on the navigation menu. The **TCP/IP Settings** page opens.

This section allows you to set access restrictions for IPSec protocol-based communication.

Specifies whether or not to enable the IPSec protocol. Select **On** to use the IPv6 protocol. Select **Off** when encryption is not used.

2. This section includes the following items for configuration.

Expiration Verification

When this option is enabled, the expiration of the server certificate is verified at communicating. If found expired, communication will fail. When it is disabled, the expiration will not be verified.

Restriction

Specifies the default policy for non-IPSec packets. Select Allow to allow communication with all hosts and networks including those not permitted by the rules. Select Deny to allow communication only with the hosts and networks permitted by the rules. **Allowed** means normal traffic (not defined by the IPSec rules) will be allowed to reach the device. **Denied** means only IPSec traffic (as defined by the IPSec rules) will be allowed to reach the device and all other traffic (not defined by the IPSec rules) will be denied to reach the device.

Root Certificate

Displays whether the certificate is active. **Root Certificate 1 Subject** through **Root Certificate 5 Subject** are displayed. Configure the device certificate on the **Certificates** page.

IPSec Rules

Allows to validate the rule used for communication using the IPSec protocol. **Rule 1** through **Rule 10** are displayed. To activate this item, click **Settings** button and configure the following on the IPSec Rule Settings page.

1. **Policy**
   Rule: Select whether the rules for IPSec communication are used or not.
   Key Management Type: Select a type of the key used for the rule from **IKEv1**, **IKEv2**, and **Manual**.
   Encapsulation Mode: **Transport** encapsulates an encrypted data and transmits along with an IP header. This is the simplest method when both the transmitting host and receiving host have the IPSec protocol supported. **Tunnel** uses a gateway provided in the network. The gateway receives the IP packets sent by the transmitting host, encrypt the entire IP packet which is then encapsulated by IPSec, then transmits along with a new IP header.
   Select whether the rules for IPSec communication are used or not.
2. **IP address**
   IP Version: Specifies the IP version of the other end. Select **IPv4** or **IPv6**.
   IP Address (IPv4): Specifies the IPv4 addresses of the hosts or network with which the machine is connecting via IPSec. When you are restricting the scope of IPSec, be sure to specify the IP addresses. If this field is blank, all IPv4 addresses will be allowed to connect the machine.
   Subnet Mask: When **IPv4** is selected for **IP Version**, this specifies the subnet mask of the hosts or network with which the machine is connecting via IPSec. If this field is blank, the specified addresses are considered to be host addresses.
   IP Address (IPv6): Specifies the IPv6 addresses of the hosts or network with which the machine is connecting via IPSec. When you are restricting the scope of IPSec, be sure to specify the IP addresses. If this field is blank, all IPv6 addresses will be allowed to connect the machine.
   Prefix Length: When **IPv6** is selected for **IP Version**, this specifies the prefix length of the hosts or network with which the machine is connecting via IPSec. If this field is blank, the specified addresses are considered to be host addresses.
   Remote Peer Address: If **Tunnel** is selected in **Encapsulation Mode**, assign an IP address that is remotely controlled.
3. **Authentication**: Configures the local side authentication when **IKEv1** is selected as **Key Management Type**. To set a character string as the shared key and use it for communication, select **Pre-shared Key** and enter the string of the pre-shared key in the text box. To use the CA-issued Device Certification or Root Certificate, select the **Certificates**. When **Certificates** is selected, the availability of the device certificate is shown. To make advanced settings, click **Settings** button and select a certificate. Configure the device certificate on the **Certificates** page of **Security** Settings.
   Configures the local side and remote side authentication when **IKEv2** is selected as **Key Management Type**. Configure **Authentication Type**, **Local ID Type**,

Local ID, **Devoce Certificate** and **Pre-shared Key** on **Local Side**, and **Authentication Type**, **Remote ID Type**, **Remote ID** and **Pre-shared Key** on **Remote Side**.

4. **Key Exchange (IKE phase1)**: When using IKE phase1, a secure connection with the other end is established by generating ISAKMP SAs. Configure the following items so that they meet the requirement of the other end.
   Mode: Configures this item when **IKEv1** is selected as **Key Management Type**. **Main Mode** protects identifications but requires more messages to be exchanged with the other end. **Aggressive Mode** requires fewer messages to be exchanged with the other end than **Main Mode** but restricts identification protection and narrows the extent of the parameter negotiations. When **Aggressive Mode** is selected and **Pre-shared Key** is selected for **Authentication Type**, only host addresses can be specified for IP addresses of the rule.
   Hash: Selects the hash algorithm.
   Encryption: Selects the encryption algorithm.
   Diffie-Hellman Group: The Diffie-Hellman key-sharing algorithm allows two hosts on an unsecured network to share a private key securely. Select the Diffie-Hellman group to use for key sharing.
   Lifetime (Time): Specifies the lifetime of an ISAKMP SA in seconds.
5. **Data Protection (IKE phase2)**
   In IKE phase2, IPSec SAs such as ESP or AH are established by using SAs established in IKE phase1. Configure the following items so that they meet the requirement of the other end.
   Protocol: Select **ESP** or **AH** for the protocol. ESP protects the privacy and integrity of the packet contents. Select the hash algorithm and encryption algorithm below. **AH** protects the integrity of the packet contents using encryption checksum. When you select **AH** as Protocols, you cannot use the AES-GCM-128, 192, or 256. Select the hash algorithm below.
   Hash: Selects the hash algorithm. When you select AES-GCM-128, 192, or 256 on Encryption, you have to select the AES-GCM-128, 192, or 256 or the AES-GMAC-128, 192, or 256 corresponding to the same bit.
   Encryption: Selects the encryption algorithm. (When **ESP** is selected under **Protocol**.) When you select the AES-GCM-128, 192, or 256 on Hash, you have to select the AES-GCM-128, 192, or 256 corresponding to the same bit. When you select the AES-GMAC-128, 192, or 256 on Hash, you have to select the AES-GCM-128, 192, or 256 corresponding to the same bit. If you do not select any algorithm, the machine authenticates without encryption.
   PFS: When **PFS** is turned **On** (enabled), even if a key is decrypted, the decrypted key cannot be used to decrypt the other keys generated after the decryption. This improves the safety, but imposes a heavy burden because of more key-generation processes.
   Diffie-Hekkman Group: When **PFS** is turned **On** (enabled), select the Diffie-Hekkman Group to use.
   Lifetime Measurement: Select **Time** or **Time & Data Size**.
   Lifetime (Time): Configure the lifetime of IPSec SA in seconds.
   Lifetime (Data Size): Configure this item when is **Time & Data Size** selected as **Lifetime Measurement**. Configure the lifetime (data size) of IPSec SA in kilobytes.
   Extended Sequence Number: Determines whether a sequence number is 64-bit extended by IPSec. To execute, select **On**.
6. **Manual**: If **Key Management Type** is set to **Manual**, configure:
   Protocol, **Hash**, **Encryption**, **SPI Format**, **SPI for Inbound**, **SPI for Outbound**, **Key Format**, **Authentication Key for Inbound**, **Authentication Key for Outbound**, **Encryption Key for Inbound**, **Encryption Key for Outbound**.

Click **Submit** button to finalize settings.

3. Click **Submit** button.

Protocol

This section includes advanced settings for various protocols used as the communication procedures and communication protocols.

*: If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

1. Click **Protocol** under **Network Settings** on the navigation menu. The **Protocol Settings** page opens.
2. This section includes the following items for configuration.

Print Protocols

Configure the protocols used for printing. This section includes the following items for configuration:

1. **NetBEUI**: The NetBEUI protocol allows Peer-to-peer printing (SMB Print). With this protocol enabled, the machine is created in Windows Network Neighborhood. NetBEUI is an enhanced version of the NetBIOS protocol, which is used for transport of SMB protocol.
   Enables or disables the NetBEUI protocol. If NetBEUI is turned **On**, the name resolution by NetBIOS (NMB) becomes available.
   Workgroup: Workgroup represents the workgroup which will appear in **Entire Network** in "Windows Network Neighborhood."
   Comment: You can enter comments here. (This can be left blank.)
2. **LPD**: To enables the LDAP protocol, turn this item **On**.
3. **FTP Server (Reception)**: FTP is a communications protocol for transmitting files over a Network. To enables the FTP protocol, turn this item **On**.
4. **IPP**: IPP is a protocol which performs transmission and reception of printing data and configuration of machines through TCP/IP networks including the Internet. To enables the IPP protocol, turn this item **On**.
   Port Number: Enter the port number. Typically, this should be **631**.(e.g. http://(IP address):631/printers/lp1)
5. **IPP over SSL**: A certificate can be added for communication using the IPP protocol. To enable the IPP protocol, turn this item **On**. To enable this protocol, select **On** on **SSL** of the **Network Security Settings** page.
   Port Number: Enter the port number. Typically, this should be **443**. The status of **IPP over SSL Certificate** is shown. To make advanced settings, click **Settings** button and select a certificate. Click **Submit** button to finalize settings.
   Configure the device certificate on the **Certificates** page of **Security Settings**. This Certificate can be used in common with IPP over SSL and HTTPS.
6. **Raw**: RAW employs another method of printing over the network like LPR. Typically, RAW uses port 9100 to remotely administer the printer via using SNMP or MIB. To enables the RAW protocol, turn this item **On**.
7. **WSD Print**: WSD is a new networking protocol provided with Windows Vista for discovery of the machines and data exchange for printing. To enable the WSD protocol, turn this item **On**.
8. **POP3 (E-mail RX)**: POP3 is a standard protocol for retrieval of E-mail. POP3 is a standard protocol used by local e-mail clients including the machine to retrieve E-mail from a remote server over a TCP/IP connection. To enable the POP3 protocol to retrieve E-mail, turn this item **On**. To configure the POP3 protocol, go to the **E-mail Settings** page under **Function Settings**. To use E-mail printing, activate remote printing on the **Printer Settings** page under **Function Settings**.
   Select a method for **POP3 Security (User 1** (to **3**)**)** from **STARTTLS**, or **SSL/TLS**, or **Off** on the drop-down list. To enable this protocol, activate SSL on the **Network Security Settings** page under **Security Settings**.

Send Protocols

Configure the protocols used for sending E-mail. This section includes the following items for configuration:

1. **SMTP (E-mail TX)**: SMTP is an Internet standard for E-mail transmission across Internet Protocol (IP) networks. To enable E-mail transmission using SMTP, turn this item **On**. To configure the detailed settings, go to the **E-mail Settings** page under **Function Settings**.
   Select a method for **SMTP Security (User #)** from **Off**, **STARTTLS**, and **SSL/TLS** on the drop-down list. To enable this protocol, activate SSL on the **Network Security Settings** page under **E-mail Settings**.
2. **FTP Client (Transmission)**: FTP (File Transfer Protocol) is a standard network protocol used to transfer files from one host or to another host over a TCP-based network, such as the Internet. To enables the FTP protocol, turn this item **On**. **Port Number**: Enter the port number. Typically, this should be **21**. By selecting **On** on **FTP Encryption TX**, the file transmission is implemented with the algorithms configured in the following. To enable this protocol, activate SSL on the **Network Security Settings** page under **Network Security**.
3. **SMB**: SMB is a network protocol applied to shared access to files, printers, serial ports, etc.. To enables the SMB protocol, turn this item **On**.
   Port Number: Enter the port number. Typically, this should be **445**.
4. **WSD Scan**: WSD is a new networking protocol provided with Windows Vista for discovery of the machines and data exchange for printing. To enable the WSD protocol, turn this item **On**.
5. **DSM Scan**: DSM allows the distributed scan management. The system administrator can use DSM to manage scan services over organizations which have a large number of users. To enable DSM scan, turn this item **On**. To configure DSM scan, go to the **DSM Scan Settings** page under **Function Settings**. To enable this item, select **Network Authentication** on the **Authentication Settings** page under **Management Settings**.
   Select a method for **LDAP Security (DSM Scan)** from **Off**, **STARTTLS**, or **SSL/TLS** on the drop-down list. To enable this item, activate SSL on the **Network Security Settings** page under **Security Settings**.
6. **eSCL**: eSCL is a network protocol used for remote scanning from Mac OS X computer. To enables the eSCL protocol, turn this item **On**.
7. **eSCL over SSL**: A certificate can be added for communication using the eSCL protocol. To enable the eSCL over SSL, turn this item **On**. To enable this protocol, select **O**n on **SSL** of the **Network Security Settings** page.
   eSCL over SSL Certificate: The status of **eSCL over SSL Certificate** is shown. To make advanced settings, click **Settings** button and select a certificate. Click **Submit** button to finalize settings.
   Configure the device certificate on the **Certificates** page of **Certificate Settings**. This Certificate can be used in common with HTTPS/IPP over SSL, Enhanced WSD over SSL, eSCL over SSL, and so on.

Other Protocols

This section allows to configure other network protocols. This section includes the following items for configuration:

1. **SNMPv1/v2c**: The SNMP protocol provides and transfers management information within the network environment. Should an error occur such as Add Paper, the machine automatically generates a trap, an error message sent to up to two predetermined trap recipients. To enable the SNMPv1/v2 protocol, turn this item **On**. To configure the SNMPv1/v2 protocol, go to the **SNMP Settings** page under **Management Settings**.
2. **SNMPv3**: The SNMP protocol provides and transfers management information within the network environment. To enable the SNMPv3 protocol, turn this item **On**. To configure the SNMPv3 protocol, go to the **SNMP Settings** page under **Management Settings**.

3. **HTTP**: HTTP is the protocol to exchange or transfer hypertext between the World Wide Web and web browsers. To enable the HTTP protocol, turn this item **On**.
4. **HTTPS**: HTTPS (Hypertext Transfer Protocol Secure) is a widely-used communications protocol for secure communication over the Internet. It provides bidirectional encryption of communications between a client web browser and a web server. To enable the HTTPS protocol, turn this item **On**. To enable this item, activate SSL on the **Network Security Settings** page under **Security Settings**. The current status of the certificate is shown in **HTTPS Certificate**. To make advanced settings, click **Settings** button and select a device certificate. Click **Submit** button to finalize settings.
   Configure the device certificate on the **Certificates** page under **Certificate Settings**. This Certificate can be used in common with IPP over SSL and HTTPS.
5. **Enhanced WSD**: Enhanced WSD is an API to simplify connections to web service enabled devices, such as Printers, Scanners and File Shares. To enable Enhanced WSD, turn this item **On**.
6. **Enhanced WSD over SSL**: Enhanced WSD (SSL) is a communication security protocol that provides encryption, authentication, and anti-tampering integrity over the Internet. To enable Enhanced WSD (SSL), turn this item **On**. To enable this item, activate SSL on the **Network Security Settings** page under **Security Settings**.
   Enhanced WSD over SSL Certificate: The status of the Enhanced WSD over SSL certificate is shown. To make advanced settings, click **Settings** button and select a device certificate. Click **Submit** button to finalize settings.
   Configure the device certificate on the **Certificates** page under **Certificate Settings**.
7. **LDAP**: The machine can refer to the address book which is on the LDAP server as an external address book and assign an E-mail address to the destination. To enables the LDAP protocol, turn this item **On**. To configure the External Address Book, go to the **External Address Book Settings** page under **Address Book**. To configure advanced settings, go to **Authentication Settings** page under **Management Settings**.
   Select a method for **LDAP Security** from **STARTTLS**, **SSL/TLS**, and **Off** on either the **External Address Book #** or **Network Authentication** drop-down list. To enable this item, activate SSL on the **Network Security Settings** page under **Security Settings**.
8. **IEEE802.1X**: IEEE802.1X is a security protocol that allows login to the secured networks based on a client certificate. To enable the IEEE802.1X protocol, turn this item **On**.
   To make advanced settings, click **Settings** button. The status of this protocol is shown in **IEEE802.1X Settings** page. This section includes the following items for configuration:

   IEEE802.1X
   Effective Encryption: Select a method of encryption from **EAP-TLS**, **EAP-TTLS**, **EAP-FAST** and **PEAP(EAP-MS-CHAPv2)** on the drop-down list.
   Tunneled Authentication Protocol: This protocol is activated when **EAP-TTLS** has been selected for encryption. Select a method of authentication from **MSCHAPV2**, **MSCHAP**, **CHAP**, and **PAP** on the drop-down list.
   Login User Name: Enter the name of the user to access the machine. The IEEE802.1X client certificate of this user must be valid.
   Password: This protocol is activated when **EAP-TTLS**, **EAP-FAST**, or **PEAP(EAP-MS-CHAPv2)** has been selected for encryption. Enter the password.
   Common Name: This protocol is activated when **EAP-TTLS**, **EAP-FAST**, or **PEAP(EAP-MS-CHAPv2)** has been selected for encryption. Specifies the common name of the server certificate if the server is required to be authenticated.
   Match Rule of Common Name: This protocol is activated when **EAP-TTLS**, **EAP-FAST**, or **PEAP(EAP-MS-CHAPv2)** has been selected for encryption. When the server certificate is verified, the common name specified under **Common Name** is

compared with the common name on the server certificate. This item allows you to specify whether the common names are considered to be matched if they exactly or partially match.
Expiration Verification: When this option is enabled, the expiration of the server certificate is verified at communicating. If the certificate is expired, communication will fail. When it is disabled, the expiration will not be verified.
IEEE802.1X Client Certificate: The current status is shown in **IEEE802.1X Client Certificate**. To make advanced settings, click **Settings** button and select a device certificate. Click **Submit** button to finalize settings. Configure the device certificate on the **Certificates** page under **Security Settings**.

Certificate Status
Root Certificate 1 (to **5**), **IEEE802.1X Client Certificate**: The content of the certificate is shown. Make settings for the Root Certificate on the **Certificates** page under **Security Settings**.

9. **LLTD**: LLTD is a protocol that provides network topology discovery and quality of service diagnostics. To enable the LLTD protocol, turn this item **On**.
10. **REST**: REST is an architecture for the web application suitable for the multiple software linkage in the distributed network system. To enables the REST protocol, turn this item **On**.
    Port Number: Enter the port number. Typically, this should be **9080**.
11. **REST over SSL**: A certificate can be added for communication using the REST protocol. To enable the REST over SSL, turn this item **On**. To enable this protocol, select **O**n on **SSL** of the **Network Security Settings** page.
    Port Number: Enter the port number. Typically, this should be **9081**.
    REST over SSL Certificate: The status of **REST over SSL Certificate** is shown. To make advanced settings, click **Settings** button and select a certificate. Click **Submit** button to finalize settings.
    Configure the device certificate on the **Certificates** page of **Security Settings**. This Certificate can be used in common with HTTPS/IPP over SSL, Enhanced WSD over SSL, eSCL over SSL, and so on.
12. **VNC (RFB)**: VNC (RFB) is set when starting up a VNC Viewer (E.g. RealVNC), and using the Remote Operation. To enables the VNC (RFB) protocol, turn this item **On**.
    Port Number: Enter the port number. Typically, this should be **9062**.
13. **VNC (RFB) over SSL**: VNC (RFB) over SSL is set when starting up a VNC Viewer (E.g. RealVNC), and using the Remote Operation protected by SSL. To enable the VNC (RFB) over SSL, turn this item **On**. To enable this protocol, select **O**n on **SSL** of the **Network Security Settings** page.
    Port Number: Enter the port number. Typically, this should be **9063**.
    VNC (RFB) over SSL Certificate: The status of **VNC (RFB) over SSL Certificate** is shown. To make advanced settings, click **Settings** button and select a certificate. Click **Submit** button to finalize settings.
    Configure the device certificate on the **Certificates** page of **Security Settings**. This Certificate can be used in common with HTTPS/IPP over SSL, Enhanced WSD over SSL, eSCL over SSL, and so on.
14. **Enhanced VNC (RFB) over SSL**: Enhanced VNC (RFB) over SSL is a communication security protocol that provides encryption, authentication, and anti-tampering integrity over the Internet. This protocol is set when starting up Command Center RX, and using the Remote Operation protected by SSL. To enable the Enhanced VNC (RFB) over SSL, turn this item **On**. To enable this protocol, select **O**n on **SSL** of the **Network Security Settings** page. The default setting is **On**.
    Port Number: Enter the port number. Typically, this should be **9061**.
    Enhanced VNC (RFB) over SSL Certificate: The status of **VNC (RFB) over SSL Certificate** is shown. To make advanced settings, click **Settings** button and select a certificate. Click **Submit** button to finalize settings.

Configure the device certificate on the **Certificates** page of **Certificate Settings**. This Certificate can be used in common with HTTPS/IPP over SSL, Enhanced WSD over SSL, eSCL over SSL, and so on.

3. Click **Submit** button.

9 Security Settings

If needed, make the following settings: See below for detailed information.

- Device Security
- Network Security
- Certificates

Device Security

This section includes settings for device security.

Interface Block

This page allows you to restrict access from each interface.

1. Click **Device Security** under **Security Settings** on the navigation menu. The **Device Security Settings** page opens.
2. This section includes the following items for configuration.

Network

Access from the network interface cannot be restricted. Access should be restricted depending on the protocol. For more details, see the **Protocol Settings** page under **Network Settings**.

USB Device

To block accesses from the devices connected to the USB port, select **Block**.

USB Host

To block accesses from the USB host devices, select **Block**.

USB Drive

To block accesses from the Drives connected to the USB port, select **Block**.

3. Click **Submit** button.

Lock Operation Panel

Restricts access from the operation panel.

1. Click **Device Security** under **Security Settings** on the navigation menu. The **Device Security Settings** page opens.
2. Select the drop-down list, click **Lock**, **Partial lock 1**, **Partial lock 2**, **Partial lock 3** or **Unlock** in the operation remain.

This section includes the following items for configuration.

Lock

Settings related to execution of input and output, jobs and paper are prohibited. To limit partial-use the following **Partial lock 1 (-3)**.

Partial lock 1

Settings related to input/output, such as network settings, system settings, document settings are prohibited. (e.g. the registration/edit of Address book and Document box)

Partial lock 2

Settings related to the run job panel settings, printer settings, in addition to **Partial lock 1** limit will be banned. (e.g. stop key use the job cancel)

Partial lock 3

Settings related to paper, in addition to the limit of **Partial lock 2** is prohibited. (e.g. Cassette Settings, MP Tray Settings)

Unlock

All keys are permitted to use.

3. Click **Submit** button.

Edit Restriction

The addition, deletion and edition of address book and one touch key are restricted.

1. Click **Device Security** under **Security Settings** on the navigation menu. The **Device Security Settings** page opens.
2. This section includes the following items for configuration.

Address Book

This enables to restrict the editorial control of address book. When you select **Off**, all user can edit the address book regardless of user privileges. When you select **Administrator Only**, only the user with an administrator privileges can edit the address book.

One Touch Key

This enables to restrict the editorial control of one touch key. When you select **Off**, all user can edit the one touch key regardless of user privileges. When you select **Administrator Only**, only the user with an administrator privileges can edit the one touch key.

3. Click **Submit** button.

Data Security Settings

Customize the security password so that only the administrator can use the security function.

Note: This setting is displayed when the optional Data Security Kit(E) is activated.

1. Click **Device Security** under **Security Settings** on the navigation menu. The **Device Security Settings** page opens.

2. Click Settings button to open the Password page. Enter the password and click OK button to display Data Security Settings screen.

   Note: The default settings is 000000.

3. This section includes the following items for configuration.

   Data Overwrite Method

   Select the data overwrite method.
   1-time Overwrite Method: The 1-time overwrite method overwrites unneeded data areas (in the case of overwriting) or all the data areas (in the case of system initialization) with specific numbers to prevent data restoration.
   3-time Overwrite Method (A): The 3-time overwrite method complies with DoD 5220.22-M, and overwrites unneeded data areas (in the case of overwriting) or all the data areas (in the case of system initialization) with specific numbers, their complements, and random numbers to prevent data restoration. Data restoration is not possible even through a sophisticated restoration technique.

   Security Password

   Enter a new security password 6 to 16 alphanumeric characters and symbols if you change the default password.
   Note: Avoid any easy-to-guess numbers for the security password (e.g. 11111111 or 12345678).

   Confirm Password

   Enter the password for confirmation again.

4. Click **Submit** button.

Data Sanitization

Return the following information registered in the machine to the factory defaults. The information differs according to the type of machine.

1. Click **Device Security** under **Security Settings** on the navigation menu. The **Device Security Settings** page opens.

2. This section includes the following items for configuration.

   Reserve a Sanitization Time

   Erase all the address information and image data stored in the machine on the specified schedule. When selecting **On**, specify the schedule to execute data sanitization.

   Device Use After Sanitization

   Restrict use of this machine after data sanitization. Select **Prohibit** or **Permit**. When selecting **Prohibit**, you cannot use the machine after data sanitization.

3. Click **Submit** button.

Network Security

This section includes settings for network security.

*: If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

Network Security Settings

1. Click **Network Security** under **Security Settings** on the navigation menu. The **Network Security Settings** page opens.
2. This section includes the following items for configuration.

SSL

SSL is a cryptographic protocol that provides communication security between a PC and the machine. To enable, select **On**. **Off** deactivates the SSL protocol for communication.

Serverside Settings

Configures security settings on the server side. This section includes the following items for configuration:

1. **TLS Version**: TLS, as well as SSL, is a cryptographic protocol that provides communication security between a PC and the machine. Select the version of TLS that you want to use from **SSL3.0/TLS1.0**, **TLS1.1**, and **TLS1.2**. You can use more than one algorithm at a time.
2. **Effective Encryption**: Select an algorithm that you want to use from **ARCFOUR**, **DES**, **3DES**, **AES** and **AES-GCM**. You can use more than one algorithm at a time.
3. **Hash**: Select a Hash algorithm of either **SHA1** or **SHA2(256/384)**. You can use more than one algorithm at a time.
4. **HTTP Security**: Specifies the security level for HTTP.
   Secure Only (HTTPS): Encrypts all HTTP protocol communications. Only the URLs that begin with https://. are accessible. If a URL beginning with http:// is specified, it will be automatically redirected to "https://."
   Not Secure (HTTPS & HTTP): Enables access for both encrypted and unencrypted HTTP protocol communication. URLs beginning with either “https://” or “http://” are accessible. The former URL establishes encrypted communication and the latter establishes unencrypted communication.
5. **IPP Security**: Specifies the security level for IPP.
   Secure Only (IPPS): Encrypts all HTTP protocol communications.
   Not Secure (IPPS & IPP): Enables access for both encrypted and unencrypted IPP protocol communications.
6. **Enhanced WSD Security**: Specifies the security level for Enhanced WSD.
   Secure Only (Enhanced WSD over SSL): Encrypts all Enhanced WSD over SSL protocol communications.
   Not Secure (Enhanced WSD over SSL & Enhanced WSD): Enables access for both Enhanced WSD over SSL and Enhanced WSD protocol communications.
7. **eSCL Security**: Specifies the security level for eSCL.
   Secure Only (eSCL over SSL): Encrypts all eSCL over SSL protocol communications.
   Not Secure (eSCL over SSL & eSCL): Enables access for both eSCL over SSL and eSCL protocol communications.
8. **REST Security**: Specifies the security level for REST.
   Secure Only (REST over SSL): Encrypts all REST over SSL protocol communications.
   Not Secure (REST over SSL & REST): Enables access for both REST over SSL and REST protocol communications.

Clientside Settings

Configures security settings on the client (PC) side. This section includes the following items for configuration:

1. **TLS Version**: TLS, as well as SSL, is a cryptographic protocol that provides communication security between a PC and the machine. Select the version of TLS that you want to use from **SSL3.0/TLS1.0**, **TLS1.1**, and **TLS1.2**. You can use more than one algorithm at a time.
2. **Effective Encryption**: Select an algorithm that you want to use from **ARCFOUR**, **DES**, **3DES**, **AES** and **AES-GCM**. You can use more than one algorithm at a time.
3. **Hash**: Select a Hash algorithm of either **SHA1** or **SHA2(256/384)**. You can use more than one algorithm at a time.
   When more than one algorithm are selected, the machine selects one algorithm to automatically connect to the server.
4. **Certificate Verification**: When set to **On**, this verifies the expiration of the server certificate during communication. If the certificate is expired, communication will fail. When set **Off**, the expiration will not be verified.
   Select a Hash algorithm of either **SHA1** or **SHA2(256/384)**. You can use more than one algorithm at a time.

3. Click **Submit** button.

Network Access Settings

1. Click **Network Security** under **Security Settings** on the navigation menu. The **Network Security Settings** page opens.

2. This section includes the following items for configuration.

Filtering/Firewall

Filtering and firewall settings can restrict the network access to the device so that only the specific network addresses are allowed. For details, see the **IP Filter(IPv4) Settings** and **IP Filter(IPv6) Settings** pages of the **TCP/IP Settings** page under **Network** Settings.

SNMPv1/v2c

The SNMP Read and Write Community settings function as passwords to control read and write access to the device via SNMP. For more information, see the **SNMP Settings** page under **Management Settings**.

SNMPv3

The SNMPv3 communication settings are used to control the authentication and encryption communication that occur via SNMP. For more information, see the **SNMP Settings** page under **Management Settings**.

SSL

To enable SSL, settings for Secure Protocols must be made. For more information, see **SSL** of the **Network Security Settings** page.

IEEE802.1X

To enable IEEE802.1X, you must first make the IEEE802.1X settings. For more information, see the **IEEE802.1X Settings** page of the **Protocol Settings** page under **Network Settings**.

IPSec

To enable IPSec, you must first make the IPSec settings. For more information, see the **TCP/IP Settings** page under **Network Settings**.

3. Click **Submit** button.

Certificates

This page allows you to create, update, or check details on a certificate. After you have changed this setting, you must restart the network or this machine.

When you browse the Embedded Web Server by entering "https", a screen which confirms whether or not to authenticate the security certificate of the web site appears. You can select the following to solve the problem by configuring certificate.

- Temporary solution: Permit every time the attention message displayed with first access to the Embedded Web Server.
- Permanent solution: Import the device certificate or root certificate as the trusted certificate into the client PC. The Web Browser will authenticate the Embedded Web Server's certificate automatically in advance.

*: If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

Device Certificate

1. Click **Certificates** under **Security Settings** on the navigation menu. The **Certificates** page opens.
2. A list of the device certificates will be shown, allowing you to check the following: **Device Certificate 1** is automatically issued by default. The automatically issued certificate has the country code, common name, and a validity period of about 10 years already configured.

Status

Displays whether the certificate is active.

Subject

Displays the country code and common name.

Expiration

Displays the validity period of the certificate.

Protocol

Displays the protocols available (HTTPS, IPP over SSL, Enhanced WSD (SSL), IEEE802.1X, DSM Scan, IPsecRuleX, and other protocols).

3. This section includes the following items for configuration.

Device Certificate 1 (to **5**)

This sections allows you to modify the initial settings, add a new one, and delete the existing settings.

Click **Settings** button of **Device Certificate 1** (to **5**). The **Device Certificate 1** (to **5**) page opens to show the current status. This page allows the following settings:
Status: Displays whether the certificate is active.
Expiration: Displays the validity period of the certificate.
View Certificate: Click **View** button to view the details of the certificate.
Create Self Certificate: Click **Create** button to open the **Certificate Settings** page. Enter or select the information for settings. **Country Code**, **State/Province**, **Locality Name**, **Organization Name**, **Organization Unit Name**, **Common Name**, **E-mail Address**, **Current Universal Time (UTC/GMT)**, **Validity Period**, and **Key Length** are displayed automatically. **Key Length** is the information needed to generate encryption, in length of either 1024 or 2048 bits. Click **Submit** button to finalize settings.
Edit Certificate: Click **Edit** button to open the **Expiration Settings** page. Enter the validity period. **Current Universal Time (UTC/GMT)** is displayed automatically. Click **Submit** button to finalize settings.
Delete Certificate: When you click **Delete** button, the certificate is displayed. Delete the content.
Export Certificate: When you click **Export** button, the dialog screen is displayed. Save the certificate.

Root Certificate 1 (to **5**)

Allows you to create, configure, register, or delete the certificate.

1. Click **Settings** button of **Root Certificate 1** (to **5**). The **Root Certificate 1** (to **5**) **Settings** page opens to show the current status. This page allows the following settings:
   Status: Displays whether the certificate is active.
   Expiration: Displays the validity period of the certificate.
   Import Certificate: Click **Import** button to open the **File Import** page. Click **Browse** button and select a file to import in Import **Root Certificate 1** (to **5**) file. Click **Submit** button to finalize settings.
2. To delete a device certificate of **Device Certificate 2** (to **5**), highlight the certificate and click **Delete** button.
   Note: A certificate can be assigned to a protocol or a configuration.

10 Management Settings

If needed, make the following settings: See below for detailed information.

- Job Accounting
- Notification/Report
- History Settings
- SNMP
- System Stamp
- Message Board
- Reset
- Application
- Remote Operation

Job Accounting

This section includes advanced settings for Job Accounting.

Settings

To enable Job Accounting, you must first make the Job Accounting settings.

1. Click **Job Accounting** under **Management Settings** on the navigation menu. The **Settings** page opens.
2. Click **Settings** button. The **Job Accounting Settings** page opens. This section includes the following items for configuration.

Job Accounting

Turn to **On** to activate Job Accounting.

Job Accounting Access

To execute Job Accounting using network authentication, select Network.

Action Settings

This section includes the following items for configuration:

1. **Apply Limit**: Select the behavior of processing a job when the maximum print pages have been reached, from **Immediately**, **Subsequently**, and **Alert Only**.
2. **Copier/Printer Count**: You can select how the copying and printing page counts are shown – either the total of both or each of copying and printing individually.
3. **Unknown ID Job**: Display the behavior of processing a job that has an unknown account ID or has no account ID. Configure the settings on **Authentication** settings page.

3. If you have set **Job Accounting** to **On** in step 2 above, **Default Counter Limit** and **Count by Paper Size** are displayed.

Note: Only **Default Counter Limit** is displayed according to the machine.

4. You can configure settings for **Default Counter Limit**. Enter the initial value for the counter limit, from **1** to **99999999**.

5. Configures **Count by Paper Size**. If needed, make the following settings for **Paper 1** to **5**:

    1. **Paper 1** (to **5**): To aggregate printed pages depending on the size, select **On**.
    2. **Page Size**: Select a paper size to aggregate the printed pages, from the drop-down list.
    3. **Media Type**: Select a media type to aggregate the printed pages, from the drop-down list.

6. Click **Submit** button.

Local Job Accounting List

This section includes settings for adding and deleting an account and for departmental accounting.

Add Account

To aggregate pages by a department or all departments, accounts must be added.

1. Click **Add Account** icon. The **New Account - Property** page opens.
2. You can configure settings for **Account Property**. This section includes the following items for configuration:

    Account Name

    Enter the account name.

    Account ID

    Enter the Account ID.

3. You can configure settings for **Restriction**.

    1. Select how the functionalities are restricted for use, from **Off**, **Counter Limit**, and **Reject Usage**.
    2. Enter the initial value for restricting functionalities, from **1** to **99999999**.

4. Click **Submit** button.

Delete

1. Click the checkbox to the left of the **Account ID**. To select all items at once, click **Check All**.
2. Click **Delete** icon once.

Counter

1. Click the checkbox to the left of **Account ID**.
2. Click **Counter** icon once. The total number of copies accounted for the account is displayed.
3. You can view the results of accounting.

Printed Pages

From the drop-down list, select **Printed Pages by Function**, **Printed Pages by Paper Size**, or **Printed Pages by Layout** as needed for assign a limit.

Scanned Page Counts

Shows the total scanned pages of Copy and Other Scan.

Counter Reset

Click **Reset** button to reset the counters.

4. Click **Counter** button of **Other Account** or **Total Account** to view the result accounting.

Other Account

The total number of copies accounted for other account is displayed.

Total Account

The total number of copies accounted for all account is displayed.

Notification/Report

This section includes advanced settings for attentions and reports.

Notification/Report Settings

1. Click **Notification/Report** under **Management Settings** on the navigation menu. The **Notification/Report Settings** page opens.
2. You can configure settings for **Send Result Report**.

E-mail/Folder

From the drop-down list, select **Off**, **On**, or **Error Only**. If an error occurs during transmission, **Error Only** allows a transmission result reported by e-mail and stored in the folder.

Canceled before Sending

Select either **On** or **Off**.

Recipient Format

Select either **Name or Destination** or **Name and Destination**.

3. You can configure settings for **Maintenance Report**.

Equipment ID

Enter the equipment ID.

Recipient E-mail Address

Enter the E-mail address to receive the maintenance reports. Use a semicolon (;) between multiple addresses.

Subject

Enter the Subject of the report.

Maintenance Report Interval

From the drop-down list, select one of **None**, **Monthly**, **Weekly**, **Daily**, **Hourly** as desired.
For **Monthly**, check the month and select a date and a time from the **Day** and **Time** drop-down lists, respectively.
For **Weekly**, select a day of the week and a time from the **Day** and **Time** drop-down lists, respectively.
For **Daily**, select a time from the **Time** drop-down list.
For **Hourly**, select a time from the **every Hour** drop-down list.

Run once now

A maintenance report will be sent to a recipient once automatically when clicking Send.

4. Configure **Event Reports/Schedule Reports 1** (to **3**) as follows.

Recipient 1 (to **3**) **E-mail Address**

Enter the E-mail address for the first recipient.

Subject

Enter the Subject of the report using a variable.

Event Report

Select an item for the event report in **Event Report Items** and select an interval of sending a report in **Event Report Interval**. When selecting **Notify when Data Sanitization Starts** to **On**, the mail which notify that data sanitization starts is sent to the recipient specified in **Recipient 1 (to 3) E-mail Address**.

Scheduled Report

Select **Counter Status** to attach the counter report.

Scheduled Report Interval

From the drop-down list, select one of **None**, **Monthly**, **Weekly**, **Daily**, **Hourly** as desired.
For **Monthly**, check the month and select a date and a time from the **Day** and **Time** drop-down lists, respectively.
For **Weekly**, select a day of the week and a time from the **Day** and **Time** drop-down lists, respectively.
For **Daily**, select a time from the **Time** drop-down list.
For **Hourly**, select a time from the **every Hour** drop-down list.

Run once now

A schedule report will be sent to the recipients 1 to 3 once automatically when clicking **Send** button.

5. Click **Submit** button.

History Settings

This section includes advanced settings for histories.

History Settings

1. Click **History Settings** under **Management Settings** on the navigation menu. The **History Settings** page opens.
2. Determines whether the **Job Log History** is sent or not.

Recipient E-mail Address

The E-mail address of the recipient of reports. If there are more than one recipient, then the addresses should be separated by a semicolon (;).

Subject

Enter the subject for the Job Log History.

Auto Sending

Determines whether the job log report is sent or not. Select either **On** or **Off**.

Number of Records

Enter the number of job logs for sending.

Personal Information

Determines whether personal information are included in job logs. Select **Include** or **Exclude** as desired.

Run once now

A job log will be sent to a recipient once automatically when clicking **Send** button.

3. You can configure settings for **Login History Settings**.

Login History

Select either **On** or **Off**.

Recipient E-mail Address

The E-mail address of the recipient of logs. If there are more than one recipient, then the addresses should be separated by a semicolon (;).

Subject

Enter the subject for the Login History.

Auto Sending

Determines whether the job log is sent. Select either **On** or **Off**.

Number of Records

Set the number of Login Histories for sending, from **1** to **1000**.

View History

A Login History List will be shown when clicking **View** button.

Run once now

A Login History will be sent to a recipient once automatically when clicking **Send** button.

4. You can configure settings for **Device Log History Settings**.

Device Log History

Select either **On** or **Off**.

Recipient E-mail Address

The E-mail address of the recipient of logs. If there are more than one recipient, then the addresses should be separated by a semicolon (;).

Subject

Enter the subject for the Device Log History.

Auto Sending

Determines whether the Device Log History is sent or not. Select either **On** or **Off**.

Number of Records

Set the number of Device Log Histories for sending, from **1** to **1000**.

View History

A Device Log History List will be shown when clicking **View** button.

Run once now

A Device Log History will be sent to a recipient once automatically when clicking **Send** button.

5. You can configure settings for **Secure Communication Error Log History Settings**.

Secure Communication Error Log History

Select either **On** or **Off**.

Recipient E-mail Address

The E-mail address of the recipient of logs. If there are more than one recipient, then the addresses should be separated by a semicolon (;).

Subject

Enter the subject for the Secure Communication Error Log History.

Auto Sending

Determines whether the Secure Communication Error Log History is sent. Select either **On** or **Off**.

Number of Records

Set the number of Secure Communication Error Log Histories for sending, from **1** to **1000**.

View History

A Secure Communication Error Log History List will be shown when clicking **View** button.

Run once now

A Secure Communication Error Log History will be sent to a recipient once automatically when clicking **Send** button.

6. Click **Submit** button.

SNMP

This section includes advanced settings for SNMP.

If the settings for the item marked with an asterisk (*) has been changed, you must restart the machine or the network. To restart the machine, proceed to the **Reset** page.

SNMP Settings

1. Click **SNMP** under **Management Settings** on the navigation menu. The **SNMP Settings** page opens.
2. Configure **SNMPv1/v2c** as follows.

SNMPv1/v2c

Activate or deactivate the SNMPv1/v2c protocol. Select either **On** or **Off** in the **Protocol Settings** page under **Network Settings**. To configure SNMP v1/v2, proceed as follows.

Read Community

Enter the community name for SNMP requests to read a value. The default name is 'public'. After you have changed the setting, you must restart the machine.

Write Community

Enter the community name for SNMP requests to write (change) a value. The default name is 'public'. After you have changed the setting, you must restart the machine.

sysContact

The MIB-II sysContact object. Usually this is the E-mail address of the network administrator.

sysName

The MIB-II sysName object. Usually this is the host or domain name of the machine.

sysLocation

The MIB-II sysLocation object. Usually this is the location information of the machine which is described under **Location** of **System Settings** page. Go to the **System Settings** page under **Device Settings** to modify the settings.

HP Web Jetadmin Compatibility

Turns HP Web Jetadmin Compatibility **On** or **Off**. After you have changed the setting, you must restart the machine.

Authentication Traps

Specifies whether to use authentication traps. If enabled (**On**), an SNMP trap is generated when an attempt to read or write is made using an incorrect community name. The trap is sent to the configured trap address. After you have changed the setting, you must restart the machine.

Trap Recipient

Click **Settings** button to finalize the settings.

3. Configure **SNMPv3** as follows. After you have changed the setting, you must restart the machine.

SNMPv3

Sets whether to use the SNMPv3 protocol. Select either **On** or **Off** in the **Protocol Settings** page under **Network Settings**. To configure SNMP v3, proceed as follows.

Authentication

Sets whether the user authentication is performed in SNMP communication.

Hash

Select either **MD5** or **SHA1** for Hash algorithm. This item becomes active when the Authentication is set to **On**.

Privacy

Sets whether to encrypt the communicated data in SNMP communication. This becomes available when Authentication is set to **On**.

Encryption

Select either **DES** or **AES** for encryption algorithm. This item becomes active when the Authentication is set to **On**.

Read Only User

Enter **User Name** and **Password** of the read-only user.

Read/Write User

Enter **User Name** and **Password** of the read/write user.

4. Click **Submit** button.

System stamp

This section includes advanced settings that apply to the system stamp.

System stamp settings

The system stamps include character and serial numbered stamps. Both are applied to printing, sending, and storing jobs. For example, the following describes how to apply the character and serial numbered stamps to a printing job.

Setting a Text Stamp

1. Click **System Stamp** under **Management Settings** on the navigation menu. The **System Stamp Settings** page opens.
2. To apply a text stamp to a print job, proceed as follow. Select **On** or **Off** and click **Settings** button.
    1. **Stamp Settings**: Select a type of stamps from the drop-down list. Select **Text Entry** to enter a text for the stamp.
    2. **Stamp Method Settings**: Select either **Each Print Page** or **Each Original Page** to show the stamp.
    3. **Position Settings**: Select the position and rotation for the stamp.
    Position: Select how the stamp is positioned on the page, from the drop-down list.
    Nudge: Nudge the stamp in range of -10 to +10, from right to left or up and down, as you exactly intend to position on the page.
    Back page: Select **Mirror Front Page** or **Same as Front Page** as desired.
    Rotation: Select **Clockwise** or **Counterclockwise** and enter the angle as desired.
    4. **Font Settings**: Select the typography for the characters of the stamp.
    Font Type: From the drop-down list, select **Courier** or **Letter Gothic** as desired.
    Font Size: From the drop-down list, select **64.0 pt**, **48.0 pt**, or **24.0 pt**.
    Bold: Select either **On** or **Off**.
    Italic: Select either **On** or **Off**.
    Color: Select the color for the text from the drop-down list.
    Character Border: Select the type of borders for the text from the drop-down list.
    Display Pattern: From the drop-down list, select **Clipping**, or **Overwrite**.
    Density: Select the transparency of the character stamp, from the drop-down list. The less the value, the more the stamp becomes transparent.
3. Click **Submit** button. To cancel settings, click **Back** button.

Creating a Bates Stamp

1. Click **System Stamp** under **Management Settings** on the navigation menu. The **System Stamp Settings** page opens.
2. To serial-number the printed pages, proceed as follow. Select **On** or **Off** and click **Settings** button.
    1. **Stamp Settings**: Add or delete properties of the stamp for serial numbering as follows.
    Add Stamp: You can add **Date**, **User Name**, **Serial Number**, **Numbering**, and **Text 1** or **Text 2** to a stamp.
    To remove a stamp, select the stamp on the list and click **Delete** button.
    Date Format: Select a format of date from the drop-down list.
    Text: Enter a text in **Text 1** or **Text 2** for the serial numbered stamp.
    2. **Numbering Settings**: Select the numbering properties of the bates stamp.
    Fixed Digit Number: Select a number of digits to fix from the drop-down list.

Numbering Default: Enter the initial value of the serial number.

3. **Position Settings**: Select the position for the stamp.
   Position: Select how the stamp is positioned on the page, from the drop-down list.
   Nudge: Nudge the stamp in range of -10 to +10, from right to left or up and down, as you exactly intend to position on the page.
   Back Page: Select **Mirror Front Page** or **Same as Front Page** as desired.
4. **Font Settings**: Select the typography for the characters and the display pattern of the stamp.
   Font Type: From the drop-down list, select **Courier** or **Letter Gothic** as desired.
   Font size: From the drop-down list, select **14.0 pt**, **12.0 pt**, or **10.5 pt**.
   Bold: Select either **On** or **Off**.
   Italic: Select either **On** or **Off**.
   Color: Select the color for the text from the drop-down list.
   Display Pattern: From the drop-down list, select **Clipping**, or **Overwrite**.
   Density: Select the transparency of the character stamp, from the drop-down list. The less the value, the more the stamp becomes transparent.

3. Click **Submit** button. To cancel settings, click **Back** button.

Stamp Default Settings

1. Click **System Stamp** under **Management Settings** on the navigation menu. The **System Stamp Settings** page opens.

2. To change the stamp default settings, click **Settings** button in **Default Settings**.

1. **Text Stamp**: Add or delete the text stamp as follows.
   Text 1 (to **8**): Enter the text for text stamp. To remove the text stamp, delete the text in **Text 1** (to **8**).
2. **Font Size**: Enter the following font size.
   Page #: Enter **Font Size 1** (to **3**) for page number in range of **6.0** to **64.0** pt as necessary.
   Text Stamp: Enter **Font Size 1** (to **3**) for text stamp in range of **6.0** to **64.0** pt as necessary.
   Bates Stamp: Enter **Font Size 1** (to **3**) for bates stamp in range of **6.0** to **64.0** pt as necessary.

3. Click **Submit** button. To cancel settings, click **Back** button.

Message Board

This section provides information on how to configure the message board that is shown on the machine's operation panel of the embedded web server.

Settings

To enable the message board, you must first make settings for the message board.

1. Click **Message Board** under **Management Settings** on the navigation menu. The **Settings** page opens.

2. Click **Settings** button.

3. To enable the message board, select **On** and click **Submit** button. To cancel settings, click **Back** button.

Adding a Message List

1. Click **Add** icon. The **New Message - Property** page opens.
2. You can configure settings for property. This section includes the following items for configuration:

Device to Show

Add **Operation Panel** and/or **Command Center RX**.

Place to Show

You can add **Home**.

Message Type

Select a type of message from **Normal**, **Alert**, and **Prohibition** on the drop-down list.

Priority Show

Determines whether the message board is prioritized to show. To apply the message board with priority, select **On**.

Title

You can enter the title of the message board.

Body

Enter the message you want to post on the message board.

3. Click **Submit** button.

Delete

1. Click the checkbox to the left of the message list. To select all items at once, click **Check All** icon.
2. Click **Delete** icon once.

Priority

You can modify the order of the messages.

1. Click the checkbox to the left of the message list.
2. To give an increased priority for a message, select the message and click **Raise Priority** icon. To give a decreased priority for a message, select the message and click **Lower Priority** icon.

Reset

This section includes advanced settings for resetting.

Restart

1. Click **Reset** under **Management Settings** on the navigation menu. The **Reset** page opens.

2. Restart the device or network as needed.

Restart Device

Clicking **Restart Device** button restarts the machine.

Restart Network

Clicking **Restart Network** button restarts only the related network service of the machine.

Reset device to factory default

1. Click **Reset** under **Management Settings** on the navigation menu. The **Reset** page opens.
2. Click **Initialize** button as needed. The machine is reset to the factory default.

Remote Services

When the trouble occurs on this product, it is possible to explain the operational procedure and the troubleshooting method through the Internet from our sales office by accessing the operation panel screen of this product while operating the screen.

Note: When using the remote service settings, it is necessary to make a contract with our company. Please contact our sales office or our authorized dealer (purchase source) for the details.

Remote Operation

This section includes advanced settings for remote operation.This function enables the system administrator to explain how to operate the panel and troubleshoot to user, by accessing operation panel of the machine at remote using browser and VNC software.

The supported browser is as follows. We recommend the latest version of browser to use Remote Operation.

- Google Chrome (Version 21.0 or later)
- Internet Explorer (Version 9.0 or later)
- Microsoft Edge
- Mozilla Firefox (Version 14.0 or later)
- Safari (Version 5.0 or later)

Note: To execute Remote Operation, Enhanced VNC (RFB) over SSL is set to **On** in network protocol (The default setting is **On**). For details, refer to *Protocol* on page 52.

Remote Operation Settings

1. Click **Protocol** under **Network Settings** on the navigation menu. The **Protocol Settings** page opens.
2. Set **Enhanced VNC (RFB) over SSL** to **On** on the **Other Protocols**.

   Note: The default setting is **On**. For other settings, refer to *Protocol* on page 52.
3. Click **Remote Operation** under **Management Settings** on the navigation menu. The **Remote Operation Settings** page opens.
4. Configure the remote operation settings as needed.

Restart Operation

Select **On** to enable the remote operation.

Use Restriction

Select **Off**, **Administrator Only**, or **Use Password** from the drop-down list.
When selecting **Off**, users without administrator privileges can also execute remote operation.
When selecting **Administrator Only**, only administrator can execute remote operation.
Note: When selecting **Administrator Only**, the remote operation using VNC software is unavailable.

When selecting **Use Password**, enter the password in Password and Confirm Password.

VNC Compatible Software

When selecting **VNC (RFB)** or **VNC (RFB) over SSL** as a network protocol, “Available” appears.

5. Click **Submit** button.

Executing Remote Panel from Google Chrome

1. Start up the browser.
2. Enter “https://” and host name of the machine to start up the Command Center RX.
3. Click **Remote Operation** under **Device Information/Remote Operation** on the navigation menu. The **Remote Operation** page opens.
4. Click **Start** button.

Note: If the user is logged in to the device, the permission confirmation screen will be displayed on the operation panel. Select **Yes**.
If pop-up blocking of the browser occurs during connection of the Remote Operation, select Always allow pop-ups from https:// [host name], and click **Done**. Perform Remote Operation after waiting one minute or more.

When the Remote Operation is started up, the operation panel screen will be displayed on the system administrator's or user's PC screen.

Executing Remote Panel from Internet Explorer

1. Start up the browser.
2. Enter “https://” and host name of the machine to start up the Command Center RX.
3. Login to the Command Center RX with Administrator right.
4. Click **Certificates** under **Security Settings** on the navigation menu. The **Certificates** page opens.
5. Click **Settings** button of the device certificate which has been assigned to **Enhanced VNC (RFB) over SSL**.
6. Click **Export** button to save the certificate in your PC.
7. In Internet Explorer, go to Tools > Internet options, and select the **Content** tab.

8. Click **Certificate** button to import the certificate saved in step 6 to “Trusted Root Certification Authorities”.
9. Restart the browser.
10. Enter “https://” and host name of the machine to start up the Command Center RX, and login.
11. Click **Remote Operation** under **Device Information/Remote Operation** on the navigation menu. The **Remote Operation** page opens.
12. Click **Start** button.

    Note: If the user is logged in to the device, the permission confirmation screen will be displayed on the operation panel. Select **Yes**.
    If pop-up blocking of the browser occurs during connection of the Remote Operation, select “Always allow”. Perform Remote Operation after waiting one minute or more.
    If you failed to start up using steps above, go to Tools > Internet Options in Internet Explorer, and select the **Security** tab. Select Local intranet and then click **Site** button. Uncheck the checkboxes of “Automatically detect intranet network” and “Include all local (intranet) sites not listed in other zones”. Perform Remote Operation after waiting one minute or more.

    When the Remote Operation is started up, the operation panel screen will be displayed on the system administrator's or user's PC screen.

Executing Remote Panel from Mozilla Firefox

1. Start up the browser.
2. Enter “https://” and host name of the machine to start up the Command Center RX.
3. Click **Advanced** button, **Add Exception...** button and then click **Confirm Security Exception** button.
4. Click **Remote Operation** under **Device Information/Remote Operation** on the navigation menu. The **Remote Operation** page opens.
5. Click **Start** button.

    Note: If the user is logged in to the device, the permission confirmation screen will be displayed on the operation panel. Select **Yes**.

    When the Remote Operation is started up, the operation panel screen will be displayed on the system administrator's or user's PC screen.

6. If pop-up blocking of the browser occurs during connection of the Remote Operation, the notification bar appears under the URL bar. Follow the steps below to solve the problem.

    1. In Firefox, go to Open menu > Options. Click **Contents** in side menu, and then click **Exceptions...** button in Pop-ups.
    2. Enter “https://” and host name of the machine into Address of website, and the click **Allow** button.
    3. Confirm that the entered address is registered to Allowed sites list and then click **Save Changes** button.
    4. Wait for one minute and click **Start** button again.
    5. Confirm that the “Failed to connect to server” error is displayed. Perform the next steps 6 to 11 within one minute.
    6. In Firefox, go to Open menu > Options. Click **Advanced** in side menu, and then select the **Certificates** tab.

7. Click **View Certificates** button and select the **Servers** tab.
8. Click **Add Exception...** button.
9. Enter “https://”, host name of the machine, and Enhanced VNC over SSL port number into the URL, and then the click **Get Certificate** button.
10. Click **Confirm Security Exception** button.
11. Wait for one minute and click **Start** button again.

Executing Remote Panel from Safari for Mac OS

1. Start up the browser.
2. Enter “https://” and host name of the machine, and then click **Show Details** button.
3. Click on “View the certificate”.
4. Drag and drop the certificate icon to copy it to the desktop.
5. Double-click the copied certificate to open Keychain Access.
6. Right-click on the applicable certificate, and select “Get Info” from the menu.
7. Select “Always Trust” for Secure Socket Layer (SSL) in Trust.
8. Click **Remote Operation** under **Device Information/Remote Operation** on the navigation menu. The **Remote Operation** page opens.
9. Click **Start** button.

   When the Remote Operation is started up, the operation panel screen will be displayed on the system administrator's or user's PC screen.
10. When the device certificates used for HTTPS is different from that used for Enhanced VNC (RFB) over SSL, follow the next steps.

    1. After step8, click **Remote Operation** under **Device Information/Remote Operation** on the navigation menu. The **Remote Operation** page opens.
    2. Click **Start** button.
    3. Enter “https://”, host name of the machine, and Enhanced VNC over SSL port number into the URL, within one minute.
    4. Click the **Show Details** button and execute steps from 3 to 9 above.

11 Troubleshooting

Consult the table below to find basic solutions for problems you may encounter with the embedded server.

Symptom	Check Items	Corrective Action	Reference
I can't access the embedded server.	Is the power turned on to this machine?	Turn the power on to this machine, wait until it is in the ready state, and try to access the embedded server.	*Operation Guide*
	Is the network cable properly connected?	Connect the network cable properly.	*Operation Guide*
	Are the network settings that are made in this machine correct?	Perform the network settings from the operation panel. Contact your network administrator for the appropriate settings.	-
	Is the IP address for this machine entered correctly?	Enter the correct IP address. Check this machine IP address with your network administrator.	-
	Are the LAN settings that are made in web browser correct?	Check the settings made in web browser. Refer to the Help function in your browser.	-
	Has the administrator set up an IP Filter function?	Access the embedded server from an approved IP address.	*IP Filter (IPv4) Settings on page 47* *IP Filter (IPv6) Settings on page 48*
	Is **HTTP Security** in **Serverside Settings** of the **Security Settings** page under **Network Security** set to **Secure Only (HTTPS)**?	When **HTTP Security** is set to **Secure Only (HTTPS)**, specify a URL that begins with https://. You cannot access the embedded server with an “http://” URL.	*Network Security Settings on page 60*

Symptom	Check Items	Corrective Action	Reference
I can't access the embedded server.	Does the version of your browser application support operation using the embedded server?	Use a browser application that supports the embedded server.	*System Requirements on page 1*
Characters do not display properly in the embedded server.	Does the version of your browser application support operation using the embedded server?	Use a browser application that supports the embedded server.	*System Requirements on page 1*
	Is the same language as that displayed on the operation panel selected?	Select the same language as that displayed on the operation panel.	*Top Bar on page 4*
I can’t perform settings.	Is the printer or scanner currently in operation?	Wait until the operation has been completed.	-
The settings I made are not finalized.	Did you click **Submit** button after making the settings?	Click **Submit** button and move to another page or close the embedded server window.	-
	Did you click **Restart** button after making the settings?	Restart this machine. All settings will be registered.	*Reset on page 74*
	Are you using the System menu on this machine's panel while the embedded server is being operated?	Operate the embedded server after you have finished with the System menu.	-
The administrator has forgotten the Admin password.	-	Contact your dealer or service center.	-
Error or Warning is displayed under the STATUS indicator.	Is there an error message shown in the display?	Perform the troubleshooting procedure the messages suggests referring to the *Operation Guide*.	*Operation Guide*
Configured settings do not take effective.	Did you click **Restart Network** button when the message prompting restart the machine or network appear after setting?	Click the Restart Network button after configuring the settings. Only the related network service will restart.	-

KYOCERA Document Solutions America, Inc.

Headquarters
225 Sand Road,
Fairfield, New Jersey 07004-0008, USA
Phone: +1-973-808-8444
Fax: +1-973-882-6000

Latin America
8240 NW 52nd Terrace, Suite 301
Miami, Florida 33166, USA
Phone: +1-305-421-6640
Fax: +1-305-421-6666

KYOCERA Document Solutions Canada, Ltd.
6120 Kestrel Rd., Mississauga, ON L5T 1S8,
Canada
Phone: +1-905-670-4425
Fax: +1-905-670-8116

KYOCERA Document Solutions
Mexico, S.A. de C.V.
Calle Arquimedes No. 130, 4 Piso, Colonia Polanco
Chapultepec, Delegacion Miguel Hidalgo,
Distrito Federal, C.P. 11560, México
Phone: +52-555-383-2741
Fax: +52-555-383-7804

KYOCERA Document Solutions Brazil, Ltda.
Alameda África, 545, Pólo Empresarial Consbrás,
Tamboré, Santana de Parnaíba, State of São Paulo, CEP
06543-306, Brazil
Phone: +55-11-2424-5353
Fax: +55-11-2424-5304

KYOCERA Document Solutions Chile SpA
Jose Ananias 505, Macul. Santiago, Chile
Phone: +56-2-2670-1900
Fax: +56-2-2350-7150

KYOCERA Document Solutions
Australia Pty. Ltd.
Level 3, 6-10 Talavera Road North Ryde N.S.W, 2113,
Australia
Phone: +61-2-9888-9999
Fax: +61-2-9888-9588

KYOCERA Document Solutions
New Zealand Ltd.
Ground Floor, 19 Byron Avenue, Takapuna, Auckland,
New Zealand
Phone: +64-9-415-4517
Fax: +64-9-415-4597

KYOCERA Document Solutions Asia Limited
13/F.,Mita Centre, 552-566, Castle Peak Road Tsuen Wan,
New Territories, Hong Kong
Phone: +852-2496-5678
Fax: +852-2610-2063

KYOCERA Document Solutions
(China) Corporation
8F, No. 288 Nanjing Road West, Huangpu District,
Shanghai,200003, China
Phone: +86-21-5301-1777
Fax: +86-21-5302-8300

KYOCERA Document Solutions
(Thailand) Corp., Ltd.
335 Ratchadapisek Road, Wongsawang, Bangsue,
Bangkok 10800,
Thailand
Phone: +66-2-586-0333
Fax: +66-2-586-0278

KYOCERA Document Solutions
Singapore Pte. Ltd.
12 Tai Seng Street #04-01A,
Luxasia Building, Singapore 534118
Phone: +65-6741-8733
Fax: +65-6748-3788

KYOCERA Document Solutions
Hong Kong Limited
16/F.,Mita Centre, 552-566, Castle Peak Road Tsuen Wan,
New Territories, Hong Kong
Phone: +852-3582-4000
Fax: +852-3185-1399

KYOCERA Document Solutions
Taiwan Corporation
6F., No.37, Sec. 3, Minquan E. Rd.,
Zhongshan Dist., Taipei 104, Taiwan R.O.C.
Phone: +886-2-2507-6709
Fax: +886-2-2507-8432

KYOCERA Document Solutions Korea Co., Ltd.
#10F Daewoo Foundation Bldg 18, Toegye-ro, Jung-gu,
Seoul, Korea
Phone: +822-6933-4050
Fax: +822-747-0084

KYOCERA Document Solutions
India Private Limited
Second Floor, Centrum Plaza, Golf Course Road,
Sector-53, Gurgaon, Haryana 122002, India
Phone: +91-0124-4671000
Fax: +91-0124-4671001

KYOCERA Document Solutions Europe B.V.
Bloemlaan 4, 2132 NP Hoofddorp,
The Netherlands
Phone: +31-20-654-0000
Fax: +31-20-653-1256

KYOCERA Document Solutions Nederland B.V.
Beechavenue 25, 1119 RA Schiphol-Rijk,
The Netherlands
Phone: +31-20-5877200
Fax: +31-20-5877260

KYOCERA Document Solutions (U.K.) Limited
Eldon Court, 75-77 London Road,
Reading, Berkshire RG1 5BS,
United Kingdom
Phone: +44-118-931-1500
Fax: +44-118-931-1108

KYOCERA Document Solutions Italia S.p.A.
Via Monfalcone 15, 20132, Milano, Italy,
Phone: +39-02-921791
Fax: +39-02-92179-600

KYOCERA Document Solutions Belgium N.V.
Sint-Martinusweg 199-201 1930 Zaventem,
Belgium
Phone: +32-2-7209270
Fax: +32-2-7208748

KYOCERA Document Solutions France S.A.S.
Espace Technologique de St Aubin
Route de l'Orme 91195 Gif-sur-Yvette CEDEX,
France
Phone: +33-1-69852600
Fax: +33-1-69853409

KYOCERA Document Solutions Espana, S.A.
Edificio Kyocera, Avda. de Manacor No.2,
28290 Las Matas (Madrid), Spain
Phone: +34-91-6318392
Fax: +34-91-6318219

KYOCERA Document Solutions Finland Oy
Atomitie 5C, 00370 Helsinki,
Finland
Phone: +358-9-47805200
Fax: +358-9-47805212

KYOCERA Document Solutions Europe B.V., Amsterdam (NL) Zürich Branch
Hohlstrasse 614, 8048 Zürich,
Switzerland
Phone: +41-44-9084949
Fax: +41-44-9084950

KYOCERA Bilgitas Document Solutions Turkey A.S.
Altunizade Mah. Prof. Fahrettin Kerim Gökay Cad. No:45
34662 ÜSKÜDAR İSTANBUL, TURKEY
Phone: +90-216-339-0020
Fax: +90-216-339-0070

KYOCERA Document Solutions Deutschland GmbH
Otto-Hahn-Strasse 12, 40670 Meerbusch,
Germany
Phone: +49-2159-9180
Fax: +49-2159-918100

KYOCERA Document Solutions Austria GmbH
Wienerbergstraße 11, Turm A, 18. OG, 1100 Wien,
Austria
Phone: +43-1-863380
Fax: +43-1-86338-400

KYOCERA Document Solutions Nordic AB
Esbogatan 16B 164 75 Kista, Sweden
Phone: +46-8-546-550-00
Fax: +46-8-546-550-10

KYOCERA Document Solutions Norge Nuf
Olaf Helsetsv. 6, 0619 Oslo, Norway
Phone: +47-22-62-73-00
Fax: +47-22-62-72-00

KYOCERA Document Solutions Danmark A/S
Ejby Industrivej 60, DK-2600 Glostrup,
Denmark
Phone: +45-70223880
Fax: +45-45765850

KYOCERA Document Solutions Portugal Lda.
Rua do Centro Cultural, 41 (Alvalade) 1700-106 Lisboa,
Portugal
Phone: +351-21-843-6780
Fax: +351-21-849-3312

KYOCERA Document Solutions South Africa (Pty) Ltd.
KYOCERA House, Hertford Office Park,
90 Bekker Road (Cnr. Allandale), Midrand, South Africa
Phone: +27-11-540-2600
Fax: +27-11-466-3050

KYOCERA Document Solutions Russia LLC.
Building 2, 51/4, Schepkina St., 129110, Moscow,
Russia
Phone: +7(495)741-0004
Fax: +7(495)741-0018

KYOCERA Document Solutions Middle East
Dubai Internet City, Bldg. 17,
Office 157 P.O. Box 500817, Dubai,
United Arab Emirates
Phone: +971-04-433-0412

KYOCERA Document Solutions Inc.
2-28, 1-chome, Tamatsukuri, Chuo-ku
Osaka 540-8585, Japan
Phone: +81-6-6764-3555
http://www.kyoceradocumentsolutions.com

Rev. 18 2019.5
CCRXKDEN18