



KYOCERA COMMAND CENTER

Operation Guide



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Examples of the operations given in this guide support the Windows 7 printing environment. Essentially the same operations are used for Microsoft Windows Vista, Windows XP, Windows Server 2003, and Windows Server 2008 environments.

User Interface screen captures shown in this guide may differ depending on your printing device.

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1 Introduction

Using COMMAND CENTER

KYOCERA COMMAND CENTER (hereinafter referred to as COMMAND CENTER) refers to the web home page that is installed in the machine from which you can verify the operating status of the machine and make settings related to security, network printing, E-mail transmission and advanced networking.

System Requirements

COMMAND CENTER operates in the following environment. Check the following before use.

Protocols

- The TCP/IP protocol is installed in the PC.
- An IP address is assigned to the printing system.

Web browser

- Microsoft Internet Explorer 6.0 or later (Microsoft Internet Explorer operates on Microsoft Windows 98SE/Me/2000/XP/ Vista/7, Microsoft Windows NT 4.0, and Microsoft Windows Server 2003/2008.)
- Mozilla Firefox 1.5 or later
- Safari 2.0 or later (Safari operates on Apple Macintosh OS X 10.4 or later.)

2 Access

Accessing COMMAND CENTER

- 1 Run the web browser.
- 2 In Address or Location, enter the machine IP address as the URL, e.g. <http://192.168.10.150>.

Select a category from the navigation bar on the left to view and set values for that category.

Admin password

Setting Administrator Password restricts general users' access to pages other than the **Start** page. For security purposes, setting the Administrator password is highly recommended. With some models, the default Administrator password is factory-set as admin00. For how to define the administrator password, refer to [Basic > Security > Account Settings](#) on page 3-10.

The **Login** button is displayed at the upper left of the screen. To access a page other than the **Start** page, click Login. (This button may not be displayed on some models. When this button is not displayed, click a page other than the **Start** page.) The password input window is displayed. Entering the predefined administrator password allows the user to access all pages.

Note: When local authentication is enabled, allowing only the predefined users to access page, the user name and password must be entered after clicking Login. For details on defining the users, refer to [Basic > Security > User Login](#) on page 3-12.

Authentication

Setting Authentication allows only the predefined users to access pages. In addition, you can discriminate users by giving either the General User or Administrator privilege to each user. Before using the authentication function, you have to define those users. For how to define users, refer to [Basic > Security > User Login](#) on page 3-12.

When a user sets authentication and accesses COMMAND CENTER, only the **Start** page is displayed. The **Login** button is displayed in the upper left of the screen. Click it to log in. When the user logs in with an Administrator account, hidden pages are displayed and can be accessed. When the user logs in with a General User account, the user can access the user's account page on **Basic > Security > User Login** and the user's settings on the basic page and the user's document box and shared document box pages.

The authentication function come in two types: Local Authentication and Network Authentication. For more information, refer to [Advanced > Management > Authentication > General](#) on page 3-47.

Encryption

You can encrypt communication between a PC and this machine using SSL encryption. When this encryption is enabled, the access URL must be specified as "https://..." For details on the setting procedure, refer to [Advanced > Security > Secure Protocols](#) on page 3-51.

3 COMMAND CENTER Pages

The COMMAND CENTER home page divides the following functions onto separate pages. You can jump to the desired pages by clicking the tab located at the top of each page. The following is an outline of each page accessed, described on the page as indicated below.

Start Page on page 3-1

This page allows you to verify this machine's operating status and current settings.

Basic Page on page 3-5

This page includes settings that apply to the entire machine, such as Device Defaults, Security, and Basic Networking.

Printer Page on page 3-14

This page includes settings that apply to the printing function of the machine, such as Default Print Resolution and Copy Count.

Scanner Page on page 3-17

This page includes settings that apply to the scanning function of the machine, such as Default Scan Resolution and Original Placement.

FAX / i-FAX Page on page 3-20

This page includes settings that apply to the FAX function of the machine, such as FAX transmit and receive settings.

Jobs Page on page 3-31

This page includes information on all device jobs including job status, scheduled job and job log.

Document Box Page on page 3-32

This page allows you to add and delete a document box, and delete documents within a document box.

Advanced Page on page 3-35

This page includes advanced settings that apply to the entire machine and is comprised primarily of advanced network settings.

Start Page

The following operations are possible from the **Start** page.

- Verifying the machine's operating status
- Logging in or out during setting of the administrator password
- Changing the language that COMMAND CENTER is displayed in
- Verifying various settings (machine, printing, FAX, scanning, network and E-mail)
- Verifying the number of scanned pages and the number of prints made on the machine

- Access linked home pages

All users will have access to the **Start** page.

Start > Start

This page allows you to verify the machine's operating status. This will be the first screen that appears after COMMAND CENTER has been started up.

Select Language

Appears if COMMAND CENTER pages support multiple languages. To change COMMAND CENTER language:

- 1 Open the **Select Language** drop down list by clicking it.
- 2 Select the appropriate language.

If you attempt to view COMMAND CENTER with a character set other than the language that is used on the operation panel's display, some characters may be illegible.

Operation Panel

This indicates the machine's operating status as displayed on the operation panel. To update the display to the most recent status, click the **Refresh** button.

Toner Level

This shows the approximate level of remaining toner. The closer the value to 0%, the smaller the amount of remaining toner. If you use non-original toner kit, the toner gauge measurement will not be indicated correctly.

Network IP Information

Network IP information on the printing system is displayed. This allows you to verify the following information:

- IP Address
- IPv6 Address (Manual)
- IPv6 Address (LinkLocal)
- IPv6 Addresses 1 to 5 (Stateless)
- IPv6 Address (Stateful)
- Host Name

System Identification

System information on the printing system is displayed. This allows you to verify the following information:

- MAC Address
- System Firmware
- Engine Firmware
- Panel Firmware
- FAX Firmware
- Serial Number
- Asset Number

Media Input

This shows paper size and media type for cassettes and MP tray.

Start > Status Pages

These pages allow you to verify the various settings (machine, printing, scanning, network and E-mail) that were made on the operation panel or using COMMAND CENTER.

It is divided by the following items.

- Network
- Security
- Device/Printer
- Scanner
- FAX/i-FAX
- Jobs
- Counters

Network > General

This allows you to verify the current settings for LDAP, TCP/ IP, IPP, IPP over SSL, AppleTalk, NetBEUI, IPv4, and IPv6. For more information, refer to [Advanced Page](#) on page 3-35.

Network > IP Filters

This displays the list of IP addresses and subnet masks (IPv4) or prefix length (IPv6) that have access permission as set under **IP Filters (IPv4)** and **IP Filters (IPv6)** on the **Advanced** page. If no IP addresses have been designated, then access permission will be granted to all addresses. For more information, refer to [Advanced > Protocols > TCP/IP > IP Filters](#) on page 3-37.

Network > SNMP

This allows you to verify the settings made under SNMPv1/ v2 and SNMPv3 on the **Advanced** page. For more information on SNMPv1/v2, refer to [Advanced > Management > SNMP > SNMPv1/v2c](#) on page 3-44. For more information on SNMPv3, refer to [Advanced > Management > SNMP > SNMPv3](#) on page 3-45.

Network > POP3/SMTP

This allows you to verify the E-mail-related settings made on **POP3** and **SMTP** pages of the **Advanced** page. For more information on POP3, refer to [Advanced > E-mail > POP3 > General](#) on page 3-43. For more information on SMTP, refer to [Advanced > E-mail > SMTP > General](#) on page 3-41.

Network > Logical Printers

This allows you to verify the settings made on the **Logical Printers** page of the **Advanced** page. For more information, refer to [Advanced > Protocols > TCP/IP > Logical Printers](#) on page 3-38.

Network > NetWare

This allows you to verify the settings made on the **NetWare** page of the **Advanced** page. For more information, refer to [Advanced > Protocols > NetWare](#) on page 3-39.

Security

This allows you to verify the current settings for secure protocols, IEEE802.1x, and IPsec. To change the settings: For secure protocols, refer

to [Advanced > Security > Secure Protocols](#) on page 3-51; for IEEE802.1x, refer to [Advanced > Security > IEEE802.1x](#) on page 3-51; for IPSec, refer to [Advanced > Security > IPSec > Rule1 \(to Rule3\)](#) on page 3-53.

Device/Printer

This allows you to verify the settings made on the **Basic** and the **Printer** pages. For more information, refer to [Basic Page](#) on page 3-5 and [Printer Page](#) on page 3-14.

Device/Printer > APL.Filter

This allows you to verify the settings made on the **Basic** and the **Printer** pages. For more information, refer to [Printer Page](#) on page 3-14.

Device/Printer > APL.Filter Parameters

This allows you to verify the settings made on the **Basic** and the **Printer** pages. For more information, refer to [Printer Page](#) on page 3-14.

Scanner

This allows you to verify the settings made on the **Scanner** page. For more information, refer to [Scanner Page](#) on page 3-17.

FAX / i-FAX > General, FAX, i-FAX

This allows you to verify the settings made on the **FAX / i-FAX** page. For more information, refer to [FAX / i-FAX Page](#) on page 3-20.

Jobs > Printing (Sending, Storing) Jobs Log

This allows you to confirm the log of the jobs in each operation. For more information, refer to [Jobs Page](#) on page 3-31.

Counters > Printed Pages

This allows you to verify the accumulated number of printed pages for each paper size and color (Monochrome, Mono Color, and Full Color). A page printed on both sides is counted as two pages.

Counters > Scanned Pages

Provide information of the number of pages copied, faxed, and other (scanned), respectively.

Start > Information

This page provides information about the Address Book, User Login, the model number of the machine and version of firmware.

Address Book

This page provides information about the maximum and current numbers of addresses possible to add to the private and group Address Books. For more information, refer to [Basic > Defaults > Address Book > Groups](#) on page 3-10.

User Login

This shows the number of registered users. For more information, refer to [Basic > Security > User Login](#) on page 3-12.

About

The model number of this printing system and Version of Firmware can be confirmed.

Start > Links

Links to the Kyocera Mita Corporation web sites. Visit the following web site for more information and downloads.

Download Drivers

For downloading printer drivers, etc.:
<http://www.kyoceramita.com/download/>

Kyocera Online

For more information about products:
<http://www.kyoceramita.com/>

Basic Page

This section includes settings that apply to the machine, such as Device Defaults, Security, and basic Networking.

Basic > Defaults > Network

This page allows you to make the settings that are required for network printing and sending E-mail. For more information, refer to [Advanced > Protocols > TCP/IP > General](#) on page 3-35.

You must restart this machine after you have completed these settings in order to properly register the content of those settings in the machine. Refer to [Basic > Defaults > Reset](#) on page 3-6.

Host Name

Specifies a name for the printing system network component. This name is used as the NetBEUI printer name and as the WSD device name.

LAN Interface

Specifies the communication rate from **Auto**, **10BASE-T-Half**, **10BASE-T-Full**, **100BASE-TX-Half**, **100BASE-TX-Full** and **1000BASE-T**. If you change the communication rate, you must restart the machine in order to make this setting valid.

IPv4 Settings

- **DHCP/BOOTP**

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

- **IP Address (IPv4)**

Assigns the Internet Protocol address on the printing system network component. Format of the IP address is four-byte (32-bit) numbers separated by dots, e.g. 192.168.110.171.

- **Subnet Mask**

Specifies the subnet mask of the hosts or network with which the print system is connecting. If you have manually assigned an IP address that starts with a number between 192 and 223, it is recommended that you set the subnet mask to "255.255.255.0."

- **Default Gateway**

Specifies the IP address of the default gateway.

IPv6 Settings

- **IPv6**

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

- **IP Address (IPv6)**

Assigns an IPv6 address to the printing system 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 of the hosts or network with which the print system is connecting.

- **RA (Stateless)**
Select **On** to use RA to configure IPv6 addresses.
- **Default Gateway**
Specifies the IPv6 address of the default gateway.
- **DHCPv6**
Specifies whether or not to obtain IPv6 IP addresses by automatic configuration. When RA is turned **On**, the IP addresses and server information are obtained via DHCPv6 based on the settings of the automatic configuration made under RA (router setting).

Basic > Defaults > Time

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

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.

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.

Time Zone

Sets a time difference. Click the drop down list and select your region.

Summer Time

Switches the Summer Time setting On and Off. Select On in order to have the Summer Time function applied when the time is synchronized with a time server.

Time Server

Enter the host name or IP address of the time server from which you want to acquire the time.

Synchronize with Time Server now

Click the **Synchronize** button to synchronize the registered time with the designated timer server.

Synchronization Status

Displays the results of the synchronization operation with the time server.

Basic > Defaults > Reset

This page allows you to restart the machine in order to make all settings in the machine valid. It is also possible to select to have all settings returned to their factory default values.

Restart entire device

Clicking **Restart** restarts this machine.

Restart Network

Clicking **Restart** allows restarting the network interface without restarting the machine. The network interface must be restarted whenever a change has been made to the network settings.

Reset entire device to factory default

When clicking the **Reset** button, the machine returns to the factory default settings. However, the document box, address book, user information, logs, and certificates are not deleted.

Basic > Defaults > Device Defaults

This page allows you to change the language that is used in the display, as well as to set the **Auto Sleep Mode**.

Operation Panel Language

You can select the language of the messages on the display by following the procedure given below. The following languages are available for selection in the drop down list: English, Français, Deutsch, Italiano, Nederlands, Español, Português, Russian, and the downloaded languages. You can optionally download messages in other languages. Contact your dealer for information. Some models may require restarting after configuration.

Sleep Timer

Specifies the time from 1 to 240 minutes after which the system enters the auto sleep mode. On some models, you can choose sleep mode from Quick Recovery and Energy Saver as follows.

- 1 Click **Advanced** on the right hand side of the Sleep Timer drop down list.
- 2 Select **Quick Recovery** or **Energy Saver**. **Energy Saver** lets the system not to wake up even when it receives print data. Printing does not take place until a user operation is made on the machine operator panel.

For some models, the **Sleeping** page appears while the system is engaged in Energy Saver. To wake up the system, click the **Start** key on the **Sleeping** page.

- 3 Select the interface or device to which **Energy Saver** is turned **On**. If set to **Off**, print data applied through that interface or device wakes the system and is printed normally.
- 4 Click **Submit**.

Note: **Advanced** settings are not available when the FAX Kit is installed.

Power Off Timer

This feature is incorporated with some models. This will automatically engages the device into a power off state in the absence of data after a predetermined time of interval. The interval and conditions can be configured as follows:

- 1 Select the time of interval after which the device engages in power off state from the drop-down list, 1 hour to 1 week.
- 2 Click **Advanced** to open **Power Off Rule**.
- 3 Select the interface which you want to activate (**On**) or deactivate (**Off**) the power off timer.

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.

Auto Error Clear

Specifies whether or not to clear errors automatically when they occur.

Error Clear Timer

Specifies the time between 5 and 495 seconds after which errors are cleared automatically.

Low Power Timer

Specifies the time from 1 to 240 minutes after which the system enters the low power mode, where it reduces the power consumption.

Interrupt Clear Time

This determines the time of period before the machine reverts to normal mode, after the interrupt copy mode has been engaged. The range is 5 to 459 seconds (in 5-second increments).

WSD Scan Timer

This determines the time of 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).

RAM Disk Mode

Specifies whether to use a part of the print system memory as a RAM disk. You can specify the size of the print system memory to use for the RAM disk. If this item is **On**, electronic sorting is enabled and the printing speed increases. After you have changed the setting, you must restart the printing system.

RAM Disk Size

Specifies the size of the RAM disk. For allowable sizes, refer to the print system operation guide. After you have changed the setting, you must restart the printing system.

File Name

You can change the file name for the scan data or the job name for the jobs on the Job page.

Additional Information

You can add a Job Number or the Data and Time to the **File Name** designated above. The additional information varies depending on model.

MP Tray Empty

With the MP tray set as the default paper source, this enables (**On**) or disables (**Off**) the paper empty message when the MP tray becomes empty.

Unusable Time Setting

This restricts use of the machine by time of day. When turned **On**, the machine becomes unoperative during the time of day specified by **Unusable Time**. Except, the received FAXes are stored in the machine and printed after the unusable time period has been expired.

Unusable Time

This determines the time of period during which the machine is restricted for use. This is enabled when **Unusable Time Setting** is **On**.

Unlock Code

Entering this code, comprised of four digits from 0 to 9, temporarily allows the machine to be usable during the time of period of restriction.

Dest(ination) Check Before Send

This enables the front panel message which prompts you to confirm the destination to forward the scan data. The message is displayed when the machine's Start key is pressed to start scanning.

Entry Check for New Dest(ination)

When enabled, this prompts you to re-enter the password for confirmation when adding a new destination.

Default Screen (Send/FAX)

You can select either **One Touch** (keys), **Destinations**, **Address Book**, or **External Address Book** to be displayed by default on the print system's display while using send or FAX mode.

USB Keyboard Type

This tells the system the type of the keyboard being connected to the USB port. In order for the keyboard to properly operate, specify the correct type.

Basic > Defaults > Address Book > Contacts

This page allows you to add, edit or delete Contacts.

Adding a New Contact

- 1 Open the **Address Book Contacts** page.
- 2 Click **Add Contact**. The **Address Book Contacts - Add page** opens.
- 3 Enter the information for the address to be registered. You can specify a FAX number and i-FAX address even if the FAX System is not installed.
- 4 Click **Submit**.

Editing a Contact

- 1 Open the **Address Book Contacts** page.
- 2 Click the number or name of the address to edit. The **Address Book Contacts - Edit** page appears.
- 3 Modify the information of the address.
- 4 Click **Submit**.

Deleting a Contact

- 1 Open the **Address Book Contacts** page.
- 2 Check the desired contact. When the check box on the left side of **Number** is selected, all contacts displayed on the page will be checked.
- 3 Click **Delete Contact**. The **Address Book Contacts - Delete** page appears. You can confirm the addresses to be deleted.
- 4 Click **Delete** when the desired addresses are selected.

Basic > Defaults > Address Book > Groups

This page allows you to add, edit or delete Groups.

Adding a New Group

- 1 Open the **Address Book Groups** page.
- 2 Click **Add Group**. The **Address Book Groups - Add** page opens.
- 3 Enter the number and name of the group.
- 4 Click **Submit**. The **Address Book Groups - Add Members** page opens.
- 5 Select the members to be added to the created group. Check the members you want to add. The members must be registered before added.
- 6 After you have selected the members, click **Submit**. The **Address Book Groups - Edit** page opens. Click **Submit**. You can continue editing groups, such as changing group names and adding or deleting members.

Editing a Group

- 1 Open the **Address Book Groups** page.
- 2 Click the number or name of the group to edit. The **Address Book Groups - Edit** page opens.
- 3 You can change the number or name of the group and add or delete members. To add members, click **Add Members** and select the addresses to add. Click **Submit**. The members must be registered before added.
- 4 After you have finished editing, click **Submit**.

Deleting a Group

- 1 Open the **Address Book Groups** page.
- 2 Check the desired group. When the check box on the left side of **Number** is selected, all groups displayed on the page will be checked.
- 3 Click **Delete Group**. The **Address Book Groups - Delete** page appears. You can confirm the group to be deleted.
- 4 Click **Delete** when the desired group is selected.

Basic > Security > Account Settings

The Administrator (Admin) account is the master access account. It controls access to the printer and networking configuration from all setup and management utilities including the HTML web pages. The Admin password set in the following is valid when **Authentication** is set to **Off**. For details on

Authentication, see [Advanced > Management > Authentication > General](#) on page 3-47.

Setting the Admin password is highly recommended to prevent unauthorized changes to the machine and networking configuration. With some models, the default Administrator password is factory-set as admin00. It is recommended to periodically change password.

To change the password:

- 1 Enter the Old Password.
- 2 Enter the password you want to set in **New Password**. This can be up to 32 (30 with some models) character long.
- 3 Enter the same password in **Confirm New Password**.
- 4 Click **Submit**.

[Basic > Security > Device Security > General](#)

This page allows you to restrict access from the operation panel or USB host device. In addition, an explanation about each security setting is displayed.

Lock Operation Panel

Restricts access from the operation panel. With some models, this setting is irrelevant if the user has logged in as the Administrator.

When it is set to **Lock** (Block), use of the **System menu** on this machine, registration in and editing of the Address Book and Box, use of the Stop key, and cancellation of jobs are forbidden. When it is set to **Partial Lock**, use of the **System menu** on this machine and registration in and editing of the Address Book and Box are forbidden. When it is set to **Unlock**, use of all keys is permitted.

Filtering/Firewall, SNMPv1/v2, SNMPv3, SSL, IPSec, IEEE802.1x

An explanation about each security setting is displayed. When you click a link in the sentence, the appropriate tab of the **Advanced** page opens.

[Basic > Security > Device Security > Interface Block](#)

This page allows you to restrict access from each interface.

Network, USB Device, USB Host, Parallel I/F, Optional I/F

Specifies whether or not to restrict access from each of the interfaces above. Access from the interfaces that are set to **Block** is restricted.

Access from the network interface cannot be restricted. Access can be restricted on a per-protocol basis. Refer to the next section.

[Basic > Security > Device Security > Network Security](#)

This allows you to enable communication with the printing system on a per-protocol basis.

SNMP v3, NetWare, AppleTalk, NetBEUI, Raw, IPP, IPP over SSL, HTTP, HTTPS, FTP (Transmission), FTP (Reception), SMB, SNMP, SMTP, POP3, LPD, LDAP, WSD Scan, WSD Print, ThinPrint, Enhanced WSD, Enhanced WSD over SSL

Specifies whether or not to restrict communication via each of the protocols on the left. The communication via the protocols that are set to **Block** is restricted. The settings made on this page affect the protocol settings on the **Advanced** page.

Basic > Security > User Login

When the authentication function is set on the **Advanced > Management > Authentication** page (**Local Authentication**, depending on model), you must register users and set access levels on this page. The available access levels are User and Administrator.

One administrator account is registered by default.

Local Authorization turns **On** or **Off Job Authorization** settings for a user listed on User List.

Number of Users shows the number of the current users. By entering a user name in **Search by Name**, you can search for the user.

Adding a New User Login

- 1 Click **User Login**, open the **User Login** page.
- 2 Click **Add** and enter the information of the user.
- 3 Click **Submit**.

Editing a User Login

- 1 Click **User Login**, open the **User Login** page.
- 2 Click the desired **Login User Name** or **User Name** to edit the user and modify their information.
- 3 Click **Submit**.

Deleting a User Login

- 1 Click **User Login**, open the **User Login** page.
- 2 Check the desired user. When the check box on the left side of **Login User Name** is selected, all users displayed on the page will be checked.
- 3 Click **Delete**. The **User Login - Delete** page appears. You can confirm the users to be deleted.
- 4 Click **Delete** when the desired users are selected.

Basic > Security > Certificates

This page allows you to create or update certificates or check details on certificates. After you have changed this setting, you must restart this machine. For the restarting procedure, refer to [Basic > Defaults > Reset](#) on page 3-6.

Device Certificate - Self Issued

The self-issued certificate is automatically issued by default. The automatically issued certificate has the country code, common name (in a form of "KMxxxxxx" as for model names), and a validity period of about 10 years already configured.

Self Certificate

Displays whether the certificate is active.

Expiration

Displays the validity period of the certificate.

View Certificate

Click **View** to view details on the certificate.

Create Certificate

Click **Create** to create a certificate.

Country code and common name are mandatorily required. On Windows Vista/7, the common name and the access name (host name or IP address) must be identical.

Edit Certificate

Click **Edit** to show Current Universal Time, and update the validity period of the certificate.

Export Certificate

Click **Export** to display the download dialog for the file. Click **Save** to download the exported certificate.

If the printing system supports self-issued certificates only, it cannot carry out encrypted communication via IPP over SSL with Windows Vista/7 because the IPP over SSL function of Windows Vista/7 does not deem self-issued certificates as trusted. To enable printing via IPP over SSL, export the selfissued certificate from the printing system and import it into Windows Vista/7 as a trusted certificate. In this case, the access name must match the common name of the certificate.

Device Certificate - CA Issued

CA Certificate

Displays whether the certificate issued by the Certification Authority (CA) is active or not.

Expiration

Displays the validity period of the certificate.

View Certificate

Click View to view the details of the certificate.

Import Certificate

Click Import to open the **File Import** window. Click **Browse** to open the file selection dialog box. Select a file and click **Open**. When the certificate is password-protected, enter the password and click **Submit**. The certificate is imported.

Delete Certificate

Click **Delete**. The certificate is displayed. Click **Delete** again to delete the certificate.

When the CA issued certificate is deleted, the settings are made invalid if **Authentication Type** is set to **Certificates** for IPsec. The self Issued certificate is made valid for SSL.

Root Certificate

Root Certificate

Displays whether the certificate is active.

Expiration

Displays the validity period of the certificate.

View Certificate

Click **View** to view details on the certificate.

Import Certificate

Click **Import** to open the **File Import** window. Click **Browse** to open the file selection dialog box. Select a file and click **Open**. Click **Submit** to import the certificate.

Delete Certificate

Click **Delete**. The certificate is displayed. Click **Delete** again to delete the certificate.

When all root certificates are deleted, the settings are made invalid if **Authentication Type** is set to **Certificates** for IPSec. In addition, IEEE802.1x is turned **Off**.

Application Certificate

IEEE802.1x Client Certificate

Displays whether the certificate is active.

Expiration

Displays the validity period of the certificate.

View Certificate

Click **View** to view details on the certificate.

Import Certificate

Click **Import** to open the **File Import** window. Click **Browse** to open the file selection dialog box. Select a file and click **Open**. Enter the password and click **Submit**. The certificate is imported.

Delete Certificate

Click **Delete**. The certificate is displayed. Click **Delete** again to delete the certificate. When the certificate is deleted, IEEE802.1x is turned **Off**.

Printer Page

This section includes settings that apply to the printing function of the machine, such as default print resolution or copy count.

Default printer settings will be overridden by the printer driver settings. Settings that affect the machine entirely, such as locking the operation panel, are found under [Basic Page](#) on page 3-5.

Printer > Summary of Network Printer Access Methods

The following information that has already been set is displayed here.

- IP Address
- Host Name
- Net BEUI Name

- AppleTalk Name

Printer > System

The table below provides a summary of the items displayed on the System page.

Form Feed Timeout

Adjusts the timeout between 5 and 495 seconds, after which a form feed will occur in the absence of data. The default setting is 30 seconds.

Emulation

Selects an emulation mode.

Alternate Emulation

Specifies which emulation mode should be used for processing at the time data other than KPDLL is received, when **AUTO** is selected for emulation.

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.

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.

Duplex Mode

Selects the default duplex mode from **Off**, **Long Edge** and **Short Edge**. Available on machines with the duplex printing.

Copies

Sets the number of copies to print.

Page Orientation

Switches Portrait or Landscape page orientation.

Tone

Sets Tone mode to **Normal** or **Fine**. The default setting is **Normal**. Available for some color machines.

Gloss Mode

Sets Gloss Mode to **High** or **Low**. The default setting is **Low**. Available for some color machines which support Gloss Mode.

Color Mode

Sets Color Mode to **Black & White** (Monochrome) or **Full Color**. Available for some color machines.

KIR Mode

Switches KIR smoothing **On** or **Off**. Available for some machines.

EcoPrint Mode

Switches EcoPrint **On** or **Off** to control toner consumption for saving the printing costs. The default setting is **Off**. Available for some machines.

Toner Save Level

Selects **Toner Save Level** from **1(Low)** [low saving, darker printing] to **5(High)** [high saving, lighter printing] when **EcoPrint Mode** is **On**.

Resolution

Changes the printing resolution. Available for some machines.

Printer > System > APL.Filter

This page allows you to configure the APL.Filter. The APL.Filter is a function that converts the received print data to the specified code and prints that data.

Filter

Switches the **APL.Filter On** or **Off**.

Filter Name

Selects the **APL.Filter**. You can select the ASCII to KPDL conversion process.

Printer > System > APL.Filter Parameters

Configure items that can be set differently between APL.Filters. You can specify fonts and the text to be converted.

Font

Specifies the fonts used for printing.

Start of String

Specifies the character string with which the text to be converted begins. Up to 15 single-byte characters can be specified.

End of String

Specifies the character string with which the text to be converted ends. The default setting is \f. Up to 15 single-byte characters can be specified.

Printer > Media Input

This page lets you configure paper trays by type and size. You can also configure cassette groups.

Default

Determines the default tray to feed paper from.

Tray

Displays the trays including those provided by option.

Size

Displays the paper size for each input tray. This setting can be changed using the dropdown list.

Type

Displays the paper type for each input tray. This setting can be changed using the dropdown list.

Group Settings

If multiple cassettes are available, you can set up to three groups of cassettes. Cassettes in a group are treated as a single tray. Paper can be fed continuously from the grouped cassettes.

Printer > Document Output

This page lets you select an output tray.

Paper Output

Determines the default output tray.

Scanner Page

This section includes settings that apply to the scanning function of the machine, such as default scan resolution or original placement.

In order to attach scanned data file to an E-mail and send it, the SMTP settings on the **Advanced** page must be completed.

Scanner > Defaults

The section below provides a summary of the items displayed on the **Scanner > Default** page.

Color Selection (Copy)

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

Color Sel.(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, or if your printing system supports only black and white.

Density

This adjusts exposure (darkness) of scanning an original document. **Auto** automatically provides an exposure best suited for the original document. **Manual** invokes the exposure which is adjusted manually in the machine.

Scan Resolution

Specifies the resolution. The maximum resolution using full color or gray scale mode is 300 x 300 dpi. To scan in full color or gray scale with 400 dpi or 600 dpi resolution, expansion of the internal memory is required.

Original Image

The original quality is selected according to the type of original. Switches the original quality between **Text**, **Text+Photo**, **Photo**, **Map**, and **Printed Document**.

Prevent Bleed-through

Prevents the unwanted images on the back side of the document from bleeding through to overwrap the scanned objects.

File Format

Selects the file format in which the scanned data will be saved.

PDF/A

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

Image Quality PDF/TIFF/JPEG

Selects the file quality mode (**1** [Low] to **5** [High]) in which the scanned data will be saved.

High-Compression PDF Image

Selects the compression rate for PDF files from **1** (Low), **2** (Medium), and **3** (High).

High-Compression PDF Auto Color

Sets whether to enable or disable the automatic color/ monochrome detection for the original to be scanned.

Auto Color Correction

Selects the detection level from five levels applied when **High-Compression PDF Automatic Color Detection** is set to **On**. The color mode tends to be used at Level 1 and the monochrome mode at Level 5.

Zoom

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

Original Orientation

Switches between **Top Edge Top** and **Top Edge Left**.

Scanner > FTP

The table below provides a summary of the items displayed on the **FTP** page.

FTP

Switches FTP **On** or **Off**.

FTP Port Number

Sets the FTP Port Number or use the FTP default port 21.

FTP Encrypted TX

This enables or disables Encryption for communication. When turned **On**, the encryption algorithm that is selected by [Advanced > Security > Secure Protocols](#) on page 3-51 is used.

Scanner > SMB

The table below provides a summary of the items displayed on the **SMB** page.

SMB Protocol

Switches the SMB Protocol **On** or **Off**.

SMB Port Number

Sets the SMB default Port Number or use the SMB default port 139 (For Windows Vista/7, use 445).

Scanner > E-mail

The table below provides a summary of the items displayed on the **E-mail** page.

Subject

You can include the model name of the printer, serial number, MAC address, host name and IP address in the subject line as follows: Enter one of the following conversion strings starting with %. The string will be converted into a pre-defined string to display the above information.

- %printer = Model

- %serial = Serial Number
- %etheraddr = MAC Address
- %host = Host Name
- %ip = IP Address

Body

You can enter the information that you want to appear in the body of the E-mail.

Scanner > Send and Forward

When sending a FAX, FTP, SMB or a E-mail job, Send and Forward automatically forwards the same job to a destination specified. The following section provides a summary of the items displayed on the **Send and Forward** page.

Forward

Switches Send and Forward on or off.

Rule

Selects a rule of either FAX, FTP, SMB or E-mail to activate Send and Forward.

Add

Adds a destination for forwarding. To add a destination, proceed as follows:

- 1 Click **Add**.
- 2 In **Address Type**, select the type of destination from the following:
 - **Email** - forwards the E-mail to the E-mail address entered.
 - **SMB** - forwards the job to a shared folder on Microsoft Windows network. Enter the Host Name, Port Number, path to a shared folder, Login User Name, and the Login Password.
 - **FTP** - forwards the jobs to an accessible FTP server. Enter the Host Name, Port Number, path to a folder, Login User Name, and the Login Password.

Adding an Address from an Address Book

To add an address from an Address Book, if set up, proceed as follows:

- 1 Click **Import Contacts**.
- 2 The address book opens. Check the check box for the address you want to add to the destination.
- 3 After you have finished selection, click **Submit**.
- 4 The **Send and Forward** page appears. Check that the destination is added to the destination list.

Delete

To delete a destination from **Destination Settings**, click the check box next to the destination, then click **Delete**. If you accept the confirming prompt, click **Delete**.

Scanner > i-FAX

This sends scanned data in i-FAX mode. The subject and body contents for i-FAX must be specified. The contents displayed on this page are the same as in **Scanner > E-mail**, described above.

FAX / i-FAX Page

This section includes settings, such as FAX transmission and reception settings, that apply to the FAX function of the device. For models that do not support i-FAX, **FAX** is displayed on the menu.

FAX / i-FAX > Common > Defaults

The table below provides a summary of the items displayed on the **FAX / i-FAX > Common** page.

Local FAX Name

Specifies your FAX system name.

Furigana (Japan only)

This adds phonetic scripts to the FAX system name.

FAX / i-FAX > Common > Transmit

The table below provides a summary of the items displayed on the Transmit page.

TTI

Selects On or Off whether to send the TTI (Transmit Terminal Identifier) information to other party.

TTI Position

Selects the position of the TTI to be printed on the transmitted documents.

FAX / i-FAX > Common > Receive

The table below provides a summary of the items displayed on the **Receive** page.

FAX Media Type

Sets the media type for printing the received documents.

Use MP Tray

Selects whether or not to include the MP (multi purpose) tray for auto media selection when printing received documents. When turned **On**, the MP tray will be included as an option for auto media selection, and when turned **Off**, only the cassettes will be selected.

Reduced RX Size

Specifies the printing configuration for printing a document, which is larger than the selected paper size. When **Same Size Override** is selected, the document will be printed on multiple sheets of paper without reducing the text. When **Reduction Override** is selected, the document will be printed on one sheet whenever possible.

Receive Date/ Time

Selects **On** or **Off** whether to print the reception information such as the received date, the received time, the transmitting party's information and the number of transmitted pages on the top of the received documents.

Duplex Printing

Specifies whether or not to use the Duplex mode.

2 in1 Receive

Enables or disables 2 in1 reception.

Receive Bulk Print

Enables or disables FAX bulk reception. When enabled, the FAX system prints the received documents after its reception completes. It will be possible to make copies during that reception.

FAX / i-FAX > Common RX/Forward Requirements > General

Conditional reception/forwarding is a function for automatically forwarding documents received by FAX or i-FAX to other FAX machines, sending them as attachments to E-mail, or saving them into a FAX box instead of printing if they satisfy the specified conditions.

For example, you can forward faxes from particular customers received during business hours to the E-mail addresses of the people responsible for those customers, print and save them in a FAX box if they are received outside business hours, and forward faxes from outside of your business area to the business office nearest to the sender's fax number.

For models that do not support RX/Forward Requirements, the documents received are forwarded in the same requirement.

Types of RX/Forward Requirements

Open the **FAX/i-FAX > Common > RX/Forward Requirements > General** page. Select one of the following items.

Off

Disables the forwarding process. Received faxes are printed on paper as in normal operation.

Use Requirements List

Executes the forwarding process according to the specified conditions. For the setting procedure, refer to [Setting Destinations](#) on page 3-25.

All

Executes the forwarding process without specifying conditions. All received faxes are processed in the same way. However, the process of saving them in a FAX box cannot be selected. Clicking **Advanced** invokes a behaviour equal to specifying all conditions. For the setting procedure, refer to [Settings for Applying the Same Forwarding Process without Using a Requirement List](#) on page 3-24.

Settings for Forwarding Processes Using a Requirement List

Open the **FAX/i-FAX > Common > RX/Forward Requirements > Requirement List** page.

- 1 Add the new condition to the Requirement List. Click **Add**.
- 2 The Requirement List - Add page appears. Specify the condition for the FAX forwarding process.

Requirement Number

Enter a number that identifies the condition set.

Name

Give the condition set here an easily recognizable name.

Status

Specify whether to enable or disable the condition. This item is set to **Off** for the condition that has just been added. To set this item to **On**, set the conditions and then click to select the desired condition on the **Requirement List** and change the setting. If the requirement sets include the same **Activating Time Setting, Activating Time** and **Sub Address settings**, these requirement sets will not be enabled at the same time.

Activating Time

Specify a period of hours during which the forwarding process is executed. Select **Time Specification** to forward only faxes received during a particular period of hours or **All Day** not to specify the hours.

Enable Time

When **Time Specification** is selected in the previous item, specify the start time and end time.

File Name

Specify the file name to be used for the forwarded file.

Additional Information

Specify the information to be added to the file name specified in the previous item.

Add Sender Information

Determine whether the sender information are added to the file name or not.

Priority

Prioritize the search keys when conducting searching over the sending criteria.

Requirement Type

Select the condition type from the following items.

- FAX Sub Address
- FAX Number
- FAX Dial-in Number
- FAX Reception Port
- i-FAX Address

When an item is selected, the text box below it accepts entry of the necessary information on the selected item. Enter the condition necessary for each item. Asterisks (*) can be used as wildcards. For example, to specify all faxes that came from Tokyo, select **FAX Number** and enter '03*' in the FAX number text box. For some models which shows **Search by** when **FAX Number** or **i-FAX Address** is selected, you can use a search criteria such as **Same as** or **Start with**, etc. Wildcards cannot be used for these models.

When the search criteria is **Same as**, up to 9 are forwarded to the **FAX Box**.

FAX Reception Port shows the list in which you can select Port 1 or Port 2.

If you selected **FAX Sub Address** for **Requirement Type**, enter a subaddress subsequently.

- 3** After you have finished setting all items, click **Submit**.

- 4 The **Requirement List** page appears. Check that the condition you have set is added to the **Requirement List**. Click the name of the condition under which you want to execute the forwarding process. The **Detail/Edit** page opens. Set **Status** to **On**.
- 5 Then, specify how the forwarding process is executed. Click the desired items among the following three **Action Settings** items in the lower part of the same page. When you want to execute multiple forwarding processes at the same time, for example printing and saving in a FAX box, click both items and set the processes.

Print

Prints received documents on paper.

- **Name**
Displays the condition name.
- **Status**
Displays whether the condition is currently used.
- **Print**
Specifies whether to print on paper.
- **Copies**
When the previous item is set to On, specify the number of copies.

Forward

Forwards received documents to other FAX machines, E-mail addresses, shared folders, and so on.

- **Name**
Displays the condition name.
- **Status**
Displays whether the condition is currently used.
- **Forwarding**
Turn On to enable forwarding.
- **File Format**
Selects the format of forwarded files from PDF, PDF/A, or TIFF. (This item has effect when the forwarding destination is E-mail, SMB, or FTP.)
- **FTP Encrypted TX**
Turn On to enable encryption for transmission. Note the SSL protocol must also be turned on. Refer to [Advanced > Security > Secure Protocols](#) on page 3-51.
- **Subject Additional Information**
When a forwarding address is specified as destination, **Sender Name** or **Sender FAX No./Address** is appended at forwarding. When None, these will not be appended.
- **Page Separate**
Specifies whether to split the fax into files as many as the number of pages. Select On to split the fax. (This item has effect when the forwarding destination is Email, SMB, or FTP.)

- **Number of Destination**

Displays the number of registered destinations displayed for the next item.

- **Destination List**

Displays a list of registered forwarding destinations. Faxes are forwarded to all destinations displayed here. For how to add a destination, refer to [Setting Destinations](#) on page 3-25.

Save to FAX Box

Saves received documents in a FAX box.

- **Name**

Displays the condition name.

- **Status**

Displays whether the condition is currently used.

- **Save to FAX Box**

Specifies whether to save faxes in a FAX box. This is not stored in the FAX box if the forwarding conditions do not meet.

- **Box Name**

Specifies the FAX box to be used. When the selection button is clicked, a list of registered FAX boxes appears. The FAX box to be specified here must be registered in advance. For how to add a FAX box, refer to [Document Box > FAX Box](#) on page 3-33.

- 6 After you have finished setting all items, click **Submit**.
- 7 The screen returns to the Detail/Edit page. After you have finished setting all items, click **Submit**.
- 8 The **Requirement List** page appears. Check that the status of the condition you have set is **On**. Repeat the above steps to set more conditions.
- 9 Finally, set the process for faxes that do not satisfy any of the conditions on the **Requirement List**. Click **Advanced** of **Not complying with the requirements**.
- 10 The **Requirement List - Advanced** page appears. Set whether to execute forwarding processes for faxes satisfying no conditions by setting the status to **On** or **Off**. When this item is set to **On**, set the subsequent items. The procedure is almost the same as the procedure for adding a condition. See steps 2 to 6 as a reference.
- 11 After you have finished setting the items, click **Submit**.
This completes the settings for forwarding processes using a Requirement List.

Settings for Applying the Same Forwarding Process without Using a Requirement List

Open the **FAX/i-FAX > Common > RX/Forward Requirements > General** page.

- 1 Click **Advanced** in **RX/Forward Requirements**.

- 2 The **RX/Forward Requirements - Advanced** page appears. Specify the forwarding process. The procedure is almost the same as the procedure for adding a condition. See steps 2 to 6 as a reference.

Note: The process of saving faxes in a FAX box cannot be selected as the forwarding process to be applied without using a Requirement List.

- 3 After you have finished setting the items, click **Submit**.
- 4 Returns to the **RX/Forward Requirements** page. Select **ALL** and click **Submit**. This completes the settings for applying the same forwarding process without using a Requirement list.

Setting Destinations

When setting **Forwarding** in **Action Settings** described above, you have to register **Destination** in advance. You can add a new destination or an address registered in the address book to **Destination**.

Addition

Open the **Action Settings > Forward** page.

- 1 Click **Add**.
- 2 Select the desired type of forwarding process from **Address Type**. The available types are as follows:

E-mail

Forwards faxes by E-mail. Specify E-mail address.

SMB

Saves faxes in a shared folder accessible from Microsoft Windows Network. Specify **Host Name**, **Port Number**, **Path** to the shared folder, **Login User Name**, and **Login Password**.

FTP

Saves faxes on an accessible FTP server. Specify **Host Name**, **Port Number**, **Path** to the folder, **Login User Name**, and **Login Password**.

FAX

Forwards faxes to other FAX machines. Specify **FAX Number**, **Transmit Start Speed**, and other necessary information on the forwarding destinations.

i-FAX

Forwards faxes to other i-FAX systems. Specify **i-FAX Address**, **Connection Mode**, and other necessary information on the forwarding destinations.

- 3 After you have finished specifying the destination, click **Submit**.
- 4 The **Action Settings > Forward** page appears. Check that the Destination is added to the Destination List.

Addition from the Address Book

There are two types of address book: address book contacts and address book groups. In address book contacts, each entry has an address of one person. In address book groups, each entry has multiple addresses. When an address of a group is added, faxes are forwarded to all addresses registered in the group.

Before adding an address from an address book, you have to register the address in the address book. For how to register an address in an address book, refer to [Basic > Defaults > Address Book > Contacts](#) on page 3-9 or [Basic > Defaults > Address Book > Groups](#) on page 3-10.

Open the **Action Settings > Forward** page.

- 1 Click **Import Contacts** or **Import Groups**.
- 2 The address book opens. Put a check mark in the check box for the address or group you want to add to the destinations.
- 3 After you have finished selection, click **Submit**.
- 4 The **Action Settings > Forward** page appears. Check that the **Destination** is added to the **Destination List**.

Deletion

You can delete a **Destination** from the **Destination List**.

Open the **Action Settings > Forward** page.

- 1 Put a check mark in the check box for the destination you want to delete from the **Destination List**.
- 2 After you have finished selection, click **Delete**. The **Action Settings > Forward - Delete** page appears. You can confirm the destinations to be deleted.
- 3 After you have finished selection, click **Submit**.
- 4 The **Action Settings > Forward** page appears. Check that the **Destination** is deleted from the **Destination List**. After confirming the settings, click **Submit**.

FAX / i-FAX > FAX > Defaults

The description below provides a summary of the items displayed on the **FAX / i-FAX > FAX > Defaults** page.

Local FAX Number (Port 1/ 2)

Specifies your FAX system number.

FAX Line

Sets the type of phone line to correspond to the type of telephone service that you are using. Be sure that the type of phone line you select is correct because, if the setting is incorrect, dialing will be impossible. The choices are **Tone (DTMF)** or **Pulse (10pps)**, or **Pulse (20pps)**.

Local FAX ID

Specifies your FAX system ID.

Speaker Volume

Sets the volume of the internal speaker that allows you to listen to conditions on the telephone line when the **[On-Hook]** key was pressed. The choices are **Off** and levels **1, 2** or **3**.

Monitor Volume

Sets the volume of the internal speaker that allows you to listen to conditions on the telephone line when the **[On-Hook]** key was not pressed. The choices are **Off** and levels **1, 2** or **3**.

FAX / i-FAX > FAX > Receive

The table below provides a summary of the items displayed on the **Receive** page.

FAX Receive

Selects the FAX reception mode. The choices are **Auto (Normal, FAX/TEL, TAD or DRD)** or **Manual**. (The selectable option is different depending on the destination.)

DRD Pattern

Selects the DRD pattern. This menu is available only for specific destinations.

Remote Switching Dial Number

Specifies the remote switching dial number. You can specify it within a range of 00 to 99. Remote switching allows you to initiate FAX reception from a telephone connected to the FAX system.

Encryption Key No.

Sets the encryption key number to be used for encrypted communication.

F-NET

Sets the silent reception. (Available only in Japan.)

Dial-in

Activates the dial-in (direct number) call. (Available only in Japan.)

Dial-in Number

Specifies the telephone number for direct number. (Available only in Japan.)

Dial-in FAX Number

Specifies the telephone number for direct FAX number. (Available only in Japan.)

Reception Port

Sets the receive-only port. (Available in multiport mode).

Number of Rings (Normal)

Specifies the number of rings for Auto FAX reception (**Normal**). You can specify it within a range of 1 to 15.

Number of Rings (TAD)

Specifies the number of rings for Auto FAX reception (**TAD**). You can specify it within a range of 1 to 15.

Number of Rings (FAX/TEL)

Specifies the number of rings for Auto FAX reception (**FAX/TEL**). You can specify it within a range of 0 to 15. This is not displayed on European models.

FAX / i-FAX > FAX > FAX Restrictions > General

The table below provides a summary of the items displayed on the **FAX Restrictions > General** page.

Transmit Restriction

Selects the transmitting restriction between **Off** and **Use Permit List + Address Book**.

Receive Restriction

Selects the receiving restriction between **Off**, **Use Permit List + Address Book**, and **Use Reject List**.

Unknown Number Reception

Displayed when **Use Reject List** is selected in **Receive Restriction**. This determines the behavior when the machine has received a FAX with an unknown FAX number. Select **Permit** to permit reception of unknown numbered FAXes and select **Reject** to reject unknown numbered FAXes.

FAX / i-FAX > FAX > FAX Restrictions > Permit Number List

The section below provides a summary of the items displayed on the **Permit Number List** page.

Add

Clicking **Add** will display the **Permit Number List - Add** page. Enter in **Permit FAX Number** the FAX number to add, then click **Submit**.

Delete

To delete a FAX number from **Permit Number List**, click the check box next to the FAX number, then click **Delete**. If you accept the confirming prompt, click **Delete**.

FAX / i-FAX > FAX > FAX Restrictions > Permit ID List

The table below provides a summary of the items displayed on the **Permit ID List** page.

Add

Clicking **Add** will display the **Permit ID List - Add** page. Enter in **Permit FAX ID** the FAX ID to add, then click **Submit**.

Delete

To delete a FAX ID from **Permit Number List**, click the check box next to the FAX ID, then click **Delete**. If you accept the confirming prompt, click **Delete**.

FAX / i-FAX > FAX > FAX Restrictions > Reject Number List

The section below provides a summary of the items displayed on the **Reject Number List** page.

Add

Clicking **Add** will display the **Reject Number List - Add** page. Enter in **Reject FAX Number** the FAX number to reject, then click **Submit**.

Delete

To delete a FAX number from **Reject Number List**, click the check box next to the FAX ID, then click **Delete**. If you accept the confirming prompt, click **Delete**.

FAX / i-FAX > FAX > Encryption Key

Specifies the encryption key in hexadecimal. The length of the encryption key is 16 digits. Enter 16 characters using the numbers 0-9 and the letters A-F.

FAX / i-FAX > i-FAX > Defaults

The section below provides a summary of the item displayed on the **Defaults** page.

i-FAX

Enables or disables i-FAX. Set to **On** to enable.

FAX / i-FAX > i-FAX > SMTP

The section below provides a summary of the items displayed on the **SMTP** page.

SMTP Port Number

Set the SMTP Port Number or use the SMTP default port 25.

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 General** page (Refer to [Advanced > Protocols > TCP/IP > General](#) on page 3-35).

SMTP Server Timeout

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

Authentication Protocol

Enables or disables the SMTP authentication protocol or sets **POP before SMTP** as the protocol. The SMTP authentication supports Microsoft Exchange 2000.

Authenticate as

Selects the user to be authenticated in SMTP authentication. If you want to select a user other than i-FAX users, select **Other** and enter the **Login User Name** and **Login Password** for authentication.

Login User Name

When **Other** is selected for **Authenticate as**, the account name set here will be used for SMTP authentication.

Login Password

Enter the login password.

POP before SMTP Timeout

Enter the timeout in seconds during which this machine tries to connect to the SMTP server when set **POP before SMTP** as the **Authentication Protocol**.

Test

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

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. For how to change the sender address, set the Email address in **E-mail Address** on [FAX / i-FAX > i-FAX > POP3](#) on page 3-30.

Signature

Displays the signature to be inserted in the end of the E-mail body. For how to change the signature, refer to [Advanced > E-mail > SMTP > General](#) on page 3-41.

FAX / i-FAX > i-FAX > POP3

The section below provides a summary of the items displayed on the POP3 page.

Check Interval

Displays the interval, in minutes, for connecting to the POP3 server to check for incoming mails. For how to change this setting, refer to [Advanced > E-mail > POP3 > General](#) on page 3-43.

Run once now

Click the **Receive** button to immediately receive E-mail from the POP3 server.

E-mail Address

Enter the E-mail address for i-FAX. The E-mail address is displayed in **Sender Address** on [FAX / i-FAX > i-FAX > SMTP](#) on page 3-29.

POP3 Server Name

Enter the POP3 server name or IP address.

POP3 Port Number

Enter the POP3 port number or use the default port number 110.

POP3 Server Timeout

Enter the timeout in seconds during which this machine tries to connect to the POP3 server.

Login User Name

Enter the login name of the user.

Login Password

Enter the password for connecting to the user name above.

Use APOP

Enables or disables APOP.

Test

Tests to confirm that the settings on this page are correct. When the **Test** button is pressed, this machine tries to connect to the POP3 server.

E-mail Size Limit

Enter maximum E-mail size in Kilobytes. When the value is 0, the limitation for E-mail size is disabled.

Cover Page

Specifies whether to print the body of E-mail in addition to the attached files. When this item is set to **On**, the attached files and the body of E-mail are printed.

When no attached files exist, only the body of E-mail is printed. When this item is set to Off, only the attached files are printed. When no attached files exist, nothing is printed.

[FAX / i-FAX > i-FAX > Domain Restrictions > General](#)

The section below provides a summary of the items displayed on the **Domain Restrictions** page.

SMTP Restriction

Selects the restriction level from **Off**, **Reject**, and **Permit**.

POP3 Restriction

Selects the restriction level from **Off**, **Reject**, and **Permit**.

[FAX / i-FAX > i-FAX > Domain Restrictions > SMTP Restriction List](#)

The section below provides a summary of the items displayed on the **SMTP Restriction List** page.

Domain Name

Enter the domain names that can be permitted or rejected. You can also specify the E-mail addresses.

[FAX / i-FAX > i-FAX > Domain Restrictions > POP3 Restriction List](#)

The section below provides a summary of the items displayed on the **POP3 Restriction List** page.

Domain Name

Enter the domain names that can be permitted or rejected. You can also specify the E-mail addresses.

Jobs Page

This section includes information on all device jobs including job status, scheduled job and job log.

The section below provides a summary of the pages in the **Jobs** page. When clicking the job on each page, the detailed information of the job is displayed.

Status > Printing (Sending, Storing) Jobs Status

Shows the job status for each operation. To show the latest status, click **Refresh**. To cancel execution of the selected job, click **Job Cancel**.

Schedule

Shows the scheduled job such as FAX delayed transmission. To show the latest status, click **Refresh**. To cancel execution of the selected job, click **Job Cancel**.

Log > Printing (Sending, Storing) Jobs Log

Shows the job log for each operation. To show the latest status, click **Refresh**.

Document Box Page

This section includes addition and deletion of a document box, and deletion of documents in a document box.

There are three types of document boxes: **Custom Box**, **FAX Box** (or **Sub Address Box**), and **Polling Box**.

Document Box > Custom Box

The description below provides a summary of the items displayed on the **Custom Box** page.

Number of Custom Boxes

Displays the number of registered custom boxes.

Add

Displays a screen where you can add a new custom box. Enter the required information and click the **Submit** button.

Delete

Deletes the selected custom box.

You can add, edit or delete a custom box as follows:

Adding a New Custom Box

- 1 Open the **Custom Box** page.
- 2 Click **Add** and enter information for the custom box.
- 3 Click **Submit**.

Editing a Custom Box

- 1 Open the **Custom Box** page.
- 2 Click the Box Number of the custom box to edit.
- 3 Click **Detail/Edit** and enter information for the custom box.
- 4 Click **Submit**.

Deleting a Custom Box

- 1 Open the **Custom Box** page.
- 2 Check the custom box to delete.
- 3 Click **Delete**. Enter the password, if required, and click **OK**. The **Custom Box - Delete** page appears. You can confirm the user boxes to be deleted.
- 4 Click **Delete** when the desired custom box is selected.

Document Box > FAX Box

The section below provides a summary of the items displayed on the **FAX Box** page.

Number of FAX Boxes

Displays the number of registered FAX boxes.

Add

Displays a screen where you can add a new FAX box. Enter the required information and click the **Submit** button.

Delete

Deletes the selected FAX box.

You can add, edit or delete a FAX box as follows:

Adding a New FAX Box

- 1 Open the **FAX Box** page.
- 2 Click **Add** and enter information for the FAX box.
- 3 Click **Submit**.

Editing a FAX Box

- 1 Open the **FAX Box** page.
- 2 Click the Box Number of the FAX box to edit.
- 3 Click **Detail/Edit** and enter information for the FAX box.
- 4 Click **Submit**.

Deleting a FAX Box

- 1 Open the **FAX Box** page.
- 2 Check the FAX box to delete.
- 3 Click **Delete**. Enter the password, if required, and click **OK**. The **FAX Box - Delete** page appears. You can confirm the FAX boxes to be deleted.
- 4 Click **Delete** when the desired FAX box is selected.

Document Box > Sub Address Box

The description below provides a summary of the items displayed on the **Sub Address Box** page.

Number of Sub Address Boxes

Displays the number of registered Sub Address boxes.

Add

Displays a screen where you can add a new Sub Address box. Enter the required information and click the **Submit** button.

Delete

Deletes the selected Sub Address box.

You can add, edit or delete a Sub Address box as follows:

Adding a New Sub Address Box

- 1 Open the **Sub Address Box** page.
- 2 Click **Add** and enter information for the Sub Address box.
- 3 Click **Submit**.

Editing a Sub Address Box

- 1 Open the **Sub Address Box** page.
- 2 Click the Box Number of the Sub Address box to edit.
- 3 Click **Detail/Edit** and enter information for the Sub Address box.
- 4 Click **Submit**.

Deleting a Sub Address Box

- 1 Open the **Sub Address Box** page.
- 2 Check the Sub Address box to delete.
- 3 Click **Delete**. The **Sub Address Box - Delete** page appears. You can confirm the Sub Address boxes to be deleted.
- 4 Click **Delete** when the desired Sub Address boxes are selected.

Document Box > Polling Box

The table below provides a summary of the items displayed on the **Polling Box** page.

Number of Documents

Displays the number of registered documents.

Delete

Deletes the checked documents.

Detail/Edit

Determine, after the document has been sent, whether you want the document to be automatically deleted or to be retained (overwritten).

Setting a Polling Box

- 1 Open the **Polling Box** page.

- 2 Click **Detail/Edit** to delete or retain the document sent.
- 3 Click **Submit**.

Removing a document from the Poling Box

- 1 Open the **Polling Box** page.
- 2 Check the document to delete. When the check box on the left side of document is selected, all documents displayed on the page will be checked.
- 3 Click **Delete**. The **Poling Box - Delete** page appears. You can confirm the documents to delete.
- 4 Click **Delete** when the desired documents are selected.

Advanced Page

This section includes advanced settings that apply to the machine and is comprised primarily of advanced network settings.

Always restart this machine after you have completed these settings in order to properly register the content of those settings in the machine. Refer to [Basic > Defaults > Reset](#) on page 3-6.

Advanced > Network Protocol Quick Summary/Secure Protocol Quick Summary

The usage of the protocols that have already been set is displayed. The following protocols can be displayed.

- TCP/IP
- NetWare
- IPP
- AppleTalk
- NetBEUI
- SMTP
- POP3
- SNMP v1/v2
- SNMP v3
- LDAP
- SSL
- IPSec
- IEEE802.1x

Advanced > Protocols > TCP/IP > General

The section below provides a summary of the items displayed on the **TCP/IP > General** page.

Host Name

Specifies a name for the printing system network component. This name is also used as the NetBEUI printer name.

IPv4 Settings

- **DHCP/BOOTP**

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

- **Auto-IP**

Turn **On** to automatically assign a unique IP address even though a DHCP server does not exist or DHCP setting is Off in the printing system. The range of the IP address to be assigned is from 169.254.0.0 to 169.254.255.255, which is reserved for Auto-IP. If an IP address is already assigned by a DHCP server, this does not resolve a new IP address.

- **IP Address**

Assigns an IPv4 address to the printing system network component. The format of the IPv4 address is a sequence of numbers (32-bit in total) separated by dots, e.g. 192.168.110.171.

- **Subnet Mask**

Specifies the subnet mask.

- **Default Gateway**

Specifies the IP address of the default gateway.

- **Domain Name**

Specifies the DNS (Domain Name System) name of the domain to which the printing system belongs. It should not contain the host printer name, for example, "abcde.com".

- **DNS Server (Primary, Secondary)**

Specifies the IP addresses of the primary and secondary DNS (Domain Name System) servers. When DHCP/BOOTP is turned **On**, you can select to use either the DNS servers obtained via DHCP or the DNS servers being set under this item.

- **WINS Server (Primary, Secondary)**

Specifies the IP addresses of the primary and secondary WINS (Windows Internet Name Service) servers. When DHCP/BOOTP is turned **On**, you can select to use either the WINS server obtained via DHCP or the WINS server being set under this item.

- **Bonjour**

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

You can add a Bonjour printer from the Mac OS X's Print Center.

The following conditions must be satisfied to automatically obtain an IP address using Bonjour:

- If DHCP/BOOTP is turned **Off**, an IP address should not be specified.
- If DHCP/ BOOTP is turned **On**, automatic IP address assignment by the DHCP server should not be enabled.
- To allow printing from the Mac OS X system, the printer needs to support KPD.L.

- **Bonjour Name**

If Bonjour is turned **On**, this specifies the Bonjour name to be used.

IPv6 Settings

- **IPv6**

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

Assigns an IPv6 address to the printing system 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)**

Select **On** to use RA instead of the DHCP server to configure IPv6 addresses.
- **Default Gateway**

Specifies the IPv6 address of the default gateway.
- **DHCPv6 (Stateful)**

Specifies whether or not to obtain IPv6 IP addresses by automatic configuration. When RA is turned **On**, the IP addresses and server information are obtained via DHCPv6 based on the settings of the automatic configuration made under RA (router setting).
- **Domain Name**

Specifies the DNS (Domain Name System) name of the domain to which the printing system belongs.
- **DNS Servers (Primary, Secondary)**

Specifies the IP addresses of the primary and secondary DNS (Domain Name System) servers. When DHCPv6 (Stateful) is turned **On**, you can select to use either the DNS servers obtained via DHCP or the DNS servers being set under this item.

Advanced > Protocols > TCP/IP > IP Filters

This page allows you to configure IP filters. IP filters restrict access to the printing system 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.

IP Filter (IPv4)

- **IP Address (IPv4)**

Specifies the IP address or network address to be permitted. The number of specifiable entries differs depending on models.
- **Subnet Mask**

Specifies the subnet mask to be permitted. 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.
- **Protocols**

Specifies the protocol to be permitted. The following protocols can be selected:

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

IP Filters (IPv6)

- **IP Address (IPv6)**

Specifies the IP addresses to which access is granted. The number of addresses that can be specified varies depending on the model used.

- **Prefix Length**

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

- **Protocols**

Specifies the protocols through which access is granted. The following protocols can be selected.

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

Advanced > Protocols > TCP/IP > 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.

Each logical printer can be used with either the FTP, LPR, IPP, NetBEUI, or Raw Port protocol. All printout to a non-existent port will be accomplished to Logical Printer1.

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

On or **Off** Bi-directional Printing using the TCP/IP raw port. With this setting **Off**, all send data are discarded. In order to have the data that is received

from the printer returned to the client when printing with PostScript, PJI and other such commands, it is necessary to **On** bi-directional printing.

Start of Job String

Specifies the character string sent to the printer before output directly to the output port (lp port). Specifies the character string if it is necessary to transmit the control code before printing.

End of Job String

Specifies the character string sent to the printer after directly outputting to the output port (lp port). Specify a character string, if it is necessary, to send a control code after printing.

Advanced > Protocols > NetWare

This printing system supports both NDS and bindery printing in either print server mode or remote printer mode.

NetWare setup requires installation of the following client software and login with Administrator Privileges. If you are unsure, please contact your network administrator.

With Novell Client, creation of the NetWare print objects with the AdminManager NetWare Setup Wizard requires the NetWare Client from Novell. For NetWare printing, you may use the NetWare Client from either Novell or Microsoft.

For Admin Privileges, network operations (creating queues etc.) require 'admin' or 'supervisor' privileges (or equivalent). Certain portions of AdminManager may be inoperable if you attempt those operations without sufficient privileges.

NetWare Protocol

Enables or disables the Network Protocol.

Bindery Mode

Enables or disables Bindery Mode.

Frame Type

Sets the Frame type. You can choose from Auto, 802.3, Ethernet-II, SNAP or 802.2.

File Server (Primary)

Enter the name of the primary File Server.

NDS Tree

Enter the name of the NDS Tree.

NDS Context

Enter the NDS Context.

Printer Server Mode

Enables or disables Print Server Mode.

Print Server Name

Enter the Print Server Name.

Queue Polling Interval

Enter the Queue Polling Interval in seconds.

Password (optional)

Enter the Password, if required. Login to NetWare will be successful only the password set here matches the Printer Server password set within the NetWare utilities.

Remote Print Mode

Enables or disable Remote Print Mode.

Print Server Name

Enter the name of the printer server that the remote printer belongs to.

Job Timeout

Enter the timeout in seconds.

Advanced > Protocols > IPP

Using IPP (Internet Printing Protocol) or IPP over SSL, you can output to the printing system over the Internet or an intranet.

IPP

Enables or disables IPP.

IPP Port Number

Sets the port number to be used by IPP. In normal situations, set this port number to 631, e.g. `http://(IP address):631/printers/lp1`

IPP over SSL

Enables or disables the IPP over SSL protocol. When this is set to **On**, SSL in the secure protocol settings must also be set to **On**. For details on secure protocol, see [Advanced > Security > Secure Protocols](#) on page 3-51.

IPP over SSL Port Number

Sets the port number to be used by IPP over SSL. In normal situations, set this port number to 443, e.g. `https://(iP address):443/printers/lp1`

Advanced > Protocols > ThinPrint

Enabling ThinPrint allows the reception and decompression of compressed print jobs using the ThinPrint technology within a network. For the implementation, the system uses a ThinPrint port. The default port is port 4000.

ThinPrint

Enables or disables the ThinPrint protocol.

ThinPrint Port Number

Set the ThinPrint Port Number or use the default port 4000.

ThinPrint over SSL

Enables or disables the ThinPrint over SSL protocol. When this is set to **On**, SSL in the secure protocol settings must also be set to **On**. For details on secure protocol, [Advanced > Security > Secure Protocols](#) on page 3-51.

Advanced > Protocols > AppleTalk

You can print from Macintosh computers using the AppleTalk protocol.

The printing system network component supports Mac OS of various versions ([Web browser](#) on page 1-1) and is compatible with LaserWriter driver version 8.x.

To set up the Ethernet interface to communicate via AppleTalk, enables AppleTalk protocol operation on the printing system.

AppleTalk

Enables or disables AppleTalk protocol.

Printer Name

Specifies the name of the printing system in the AppleTalk network.

Zone Name

Specifies the name of the AppleTalk zone (network). An asterisk (*) means the default zone.

Advanced > Protocols > NetBEUI

Peer-to-peer printing is available using NetBEUI protocol. With this method, the printing system is located in Windows Network Neighborhood.

NetBEUI Protocol

Enables or disables NetBEUI protocol. If NetBEUI is turned **On**, name resolution via NetBIOS (NMB) can be used.

Printer Name

Printer Name correlates with Host Name in the **TCP/IP General** page (Refer to [Advanced > Protocols > TCP/IP > General](#) on page 3-35). If you want to change the NetBEUI printer name, change the TCP/IP Host Name.

Workgroup

Workgroup represents the workgroup which will appear in Entire Network in Windows Network Neighborhood.

Comment

You can enter comments here. (This can also be left blank.)

Advanced > E-mail > SMTP > General

This machine can send Low Toner and other information via E-mail to the specified mail address. To use the mail function, configure SMTP (Simple Mail Transfer Protocol) to connect this machine to an E-mail server.

SMTP Protocol

Enables or disables SMTP protocol. To use E-mail, this protocol must be enabled.

SMTP Port Number

Set the SMTP Port Number or use the SMTP default port 25.

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 General** page (refer to [Advanced > Protocols > TCP/IP > General](#) on page 3-35).

SMTP Server Timeout

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

Authentication Protocol

Enables or disables the SMTP authentication protocol or sets **POP before SMTP** as the protocol. The SMTP authentication supports Microsoft Exchange 2000.

Authenticate as

Specifies the user to be authenticated in SMTP authentication. When POP3 User 1 to 3 (Refer to [Advanced > E-mail > POP3 > User #](#) on page 3-43) and **i-FAX User** are set, you can select one of them. If you want to select a different user, select **Other** and enter the **login account name** and **login password** for authentication.

Login User Name

When **Other** is selected for **Authenticate as**, the account name set here will be used for SMTP authentication.

Login Password

When **Other** is selected for **Authenticate as**, the password set here will be used for authentication.

SMTP Security

Enables or disables the SMTP Security. When this protocol is enabled, either **SSL/TLS** or **STARTTLS** must be selected. To enable SMTP security, the SMTP port may have to be changed according to the server settings. Typically, 465 for SSL/TLS and 25 or 587 for STARTTLS are well-known SMTP ports.

POP before SMTP Timeout

Enter the timeout in seconds during which this machine tries to connect to the SMTP server when set **POP before SMTP** as the **Authentication Protocol**.

Test

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

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

Enter the E-mail address of the person responsible for the printing system, such as the printer administrator. A reply or non-delivery report will go to a person rather than to the machine. The sender address must be entered correctly for SMTP authentication. Note that no mail message can be sent unless the sender's address is specified.

Signature

Enter the signature. The signature is free form text that will appear at the end of the E-mail body. It is often used for further identification of the machine.

Domain Restriction

Enter the domain names that can be permitted or rejected. You can also specify the E-mail addresses.

Advanced > E-mail > SMTP > E-mail Recipient #

This page allows you to set the address for receiving E-mail and contents of event reports. Up to three recipients can be set.

Recipient # Address

Enter the E-mail address for this recipient. Entering a group address allows to simultaneously send reports to the recipients.

Subject

Specifies the information to be displayed at Subject. When the following variable starting with "%" is entered, it is converted to values for information set on this machine and displayed at Subject.

- %printer = Model
- %serial = Serial Number
- %etheraddr = MAC Address
- %host = Host Name
- %ip = IP Address

Event Report Items

Select the events you want to be reported. These events are:

- Add Paper
- Cover Open
- Low Toner
- Paper Jam
- Add Toner
- All Other Errors

Event Report Interval

Enter the E-mail interval. An E-mail will be sent at the end of the interval only when at least one of the selected error conditions has occurred during the interval. The interval can be set from 1 minute to 10000 minutes.

Scheduled Report Items

Check one or more items from **Printer Status**, **Network Status**, and **Counter Status**.

Scheduled Report Interval

Select the time or interval for sending the status information.

- **None**: No report is sent.
- **Monthly**: Sends on the specified time of specified month.
- **Weekly**: Sends on the specified time of every week.
- **Daily**: Sends at the specified time of every day.
- **Hourly**: Sends at the specified interval every hour.

If a specified day does not exist in the month, such as the 31st, the last day of the month is used as the specified day.

Run once now

You can test this by clicking the **Send** button to immediately send a report.

Advanced > E-mail > POP3 > General

To use the E-mail function, you need to connect the printing system to an E-mail server using the POP3 protocol.

POP3 Protocol

Enables or disables POP3 protocol.

Check Interval

Checks E-mails in POP3 server at specific interval. Specify the interval in the range from 3 minutes to 60 minutes. The default is 15 minutes.

Run once now

Click the **Receive** button to immediately receive E-mail from the POP3 server.

Domain Restriction

Enter the domain names that can be permitted or rejected. You can also specify the E-mail addresses.

Advanced > E-mail > POP3 > User

This page allows you to set the POP3 user account and information on the POP3 server. Up to three users can be set.

User Profile

Enables or disables this user number.

E-mail Address

Enter the E-mail address.

POP3 Server Name

Enter the POP3 server name or IP address. If you use the server name, you must first specify the DNS server information. For details, refer to [Advanced > Protocols > TCP/IP > General](#) on page 3-35.

POP3 Port Number

Enter the POP3 port number or use the default port number 110.

POP3 Server Timeout

Enter the timeout in seconds during which this machine tries to connect to the POP3 server.

Login User Name

Enter the login name of the user.

Login Password

Enter the password for connecting to the user name above.

Use APOP

Enables or disables APOP. To use APOP, make sure that the POP3 server supports APOP.

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. Typically, 465 for SSL/TLS and 25 or 587 for STARTTLS are well-known SMTP ports.

Test

This will test one transmission for each press, attempting to establish communication with the POP3 server.

Delete e-mail after retrieval

Enables or disables the Delete E-mail after retrieval function. When this item is set to **On**, the retrieved E-mail is deleted from the POP3 server. When this item is set to **Off**, the E-mail will not be deleted after retrieved from the POP3 server.

E-mail size limit

Enter maximum E-mail size in Kilobytes. When the value is 0, the limitation for E-mail size is disabled.

Cover Page

Specifies whether to print the body of E-mail in addition to the attached files. When this item is set to **On**, the attached files and the body of E-mail are printed. When no attached files exist, only the body of E-mail is printed. When this item is set to **Off**, only the attached files are printed. When no attached files exist, nothing is printed.

Advanced > Management > SNMP > SNMPv1/v2c

The SNMP protocol is used for providing and transferring management information within the network environment. Should an error occur such as *Add Paper*, the printing system automatically generates a trap, an error message sent to predetermined trap recipients.

The community names are used like passwords.

SNMPv1/v2c

Sets whether to use the SNMPv1/v2c protocol. Set **On** to use it. After you have changed the setting, you must restart the printing system.

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 printing system.

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 printing system.

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 printing system.

sysLocation

The MIB-II sysLocation object. Usually this is the location information of the printing system.

HP Web Jetadmin Compatibility

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

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 printing system.

Trap Community

The SNMP trap community name to be used when the printing system generates a trap.

Trap IP Address (IPv4)

Enter the IPv4 address that receives traps. Select **On** to enable trap receiving.

Trap IP Address (IPv6)

Enter the IPv6 address that receives traps. Select **On** to enable trap receiving.

Trap IPX Address

Enter the IPX address that receives traps. Select **On** to enable trap receiving.

Selected Errors

Select the events which will cause a trap to be generated from **Add Paper**, **Low Toner**, **Add Toner**, **Cover Open**, **Paper Jam**, and **All Other Errors**.

Advanced > Management > SNMP > SNMPv3

The section below provides a summary of the items displayed on the **SNMPv3** page. After you have changed the setting, you must restart the printing system.

SNMPv3

Sets whether to use the SNMPv3 protocol. Set **On** to use it.

Authentication

Sets whether to authenticate the user in SNMP communication.

Hash

Selects the hash algorithm. This item is displayed when the **Authentication** is **On**.

Privacy

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

Encryption

Selects the encryption algorithm. This item is displayed when **Privacy** is **On**.

User Name

Enter the name of the read-only user.

Password

Enter the password for the read-only user.

User Name

Enter the name of the read/write user.

Password

Enter the password the read/write user.

Advanced > Management > LDAP

The printing system can refer to the address book which is on the LDAP server as an external address book and assign a FAX number and E-mail address to the destination.

LDAP

Enables or disables access to the LDAP server.

LDAP Server Name

Specifies a name or IP address for the LDAP server.

LDAP Port Number

Specifies a port number for LDAP or use the LDAP default port 389.

Search Timeout

Specifies a period of time for searching the LDAP server.

Login User Name

Specifies the user name.

Login Password

Specifies the password.

Max Search Results

Specifies a maximum number of displayed results which have been searched on the LDAP address book. The actual number of results displayed varies from model to model.

Search Base

Specifies a base object which indicates the starting point in the tree structure of the database for the LDAP directory searching.

Display Mode

Selects the default display mode from **Display from the first name** and **Display from the family name**.

LDAP Security

Selects the type of encryption from the drop-down list, according to the type of security employed by the LDAP server. Select **Off** when encryption is not used.

- **STARTTLS**

Uses explicit mode for data communication. Select this if the server supports the startTLS command. This uses the same port (389) as LDAP.

- **SSL/TLS**

Uses implicit mode for data communication. The server provides services using the LDAP over SSL port (636). Encryption is applied to any data communication using this port.

Advanced > Management > Authentication > General

Setting Authentication allows only the predefined users to access pages. In addition, you can discriminate users by giving either the **General User** or **Administrator** privilege to each user. Before using the authentication function, you have to define those users. For how to define users, refer to [Basic > Security > User Login](#) on page 3-12.

Authenticate mode

Specifies whether to enable or disable the authentication function. To disable it, select **Off**. To enable it, select either of the following.

- **Local Authentication**

Users are registered in this machine and one-to-one authentication is performed between this machine and a PC.

- **Network Authentication**

This machine and relevant PCs need to be under the management of the Windows domain network. Depending on model, users registered in this machine must be the same as those registered in the domain controller.

Domain Name

Specifies the domain name of the Windows domain network when **Network Authentication** is specified in the preceding item.

Host Name

Specifies the domain controller name of the Windows domain network when **Network Authentication** is specified in the preceding item.

Port Number

Use the numeric keypad to type the port number when Server Type is external.

Server Type

Specifies the authentication method used by the domain controller when **Network Authentication** is specified in the preceding item. Select **NTLM** when the domain controller is Windows NT or **Kerberos** for Windows 2000 Server or Windows Server 2003. Select **Ext.** to set up network authorization using an external server such as KMnet Account Agency. (The port number above should be 9093 for KMnet Account Agency.)

Keyboard Login

This determines whether login authentication is allowed via the machine operation panel or not, despite the IC card authentication is activated (using the IC card authentication kit installed).

Note: If the server type is [Kerberos (Win2000/2003)], only domain names entered in uppercase will be recognized.

When a user sets authentication and accesses COMMAND CENTER, only the **Start** page is displayed. The **Login** button is displayed in the upper left of the screen. Click it to log in. When the user logs in with an **Administrator** account, hidden pages are displayed and can be accessed. When the user logs in with a **General User** account, the user can access the user's account page on *Basic > Security > User Login* and the user's settings on the basic page, and the user's document box and shared document box pages.

Advanced > Management > Authentication > Network User Property

This allows to obtain user information at authenticating the user over the network.

Obtain Network User Property

Turned **On** to obtain user information.

LDAP Server Name

Specifies a name or IP address for the LDAP server.

LDAP Port Number

Specifies a port number for LDAP or use the LDAP default port 389.

Search Timeout

Specifies a period of time for searching the LDAP server.

LDAP Encryption

Selects the type of encryption according to the type of security employed by the LDAP server. Select **Off** when encryption is not used.

Name 1 (2)

Specifies the LDAP attribute to obtain a user name for display, from the LDAP server.

E-mail Address

Specifies the LDAP attribute to obtain an e-mail address from the LDAP server.

Advanced > Management > Authentication > Group Authorization Set.

After the network authentication has been established by executing *Advanced > Management > Authentication > General* on page 3-47, you can add a group to specify the **Group Information** and items for **Job Authorization Settings**.

Up to 20 group accounts are registerable. By default, a group account (**Other**) has been preset. This is used to process any group account which does not fall within the registered groups.

Group Authorization

Turned **On** if you want to individually authorize or deauthorize the groups.

Number of Registered Groups

The number of the groups currently registered.

Adding a New Group

- 1 Click **Group Authorization Set.**, open the **Group Authorization Set.** page.

2 Click **Add** and specify group information and **Permit** or **Prohibit**.

3 Click **Submit**.

Editing a Group

1 Click **Group Authorization Set.**, open the **Group Authorization Set** page.

2 Click the desired **Group ID** or **Group Name** to edit the group and modify their information.

3 Click **Submit**.

Deleting a Group

1 Click **Group Authorization Set.**, open the **Group Authorization Set.** page.

2 Check the desired group. When the check box on the left side of **Group ID** is selected, all groups displayed on the page will be checked.

3 Click **Delete**. The **Group Authorization Set.-Delete** page appears. You can confirm the groups to delete.

4 Click **Delete** when the desired groups are selected.

Advanced > Management > IC-Card Settings

This feature is available when an optional IC card reader is installed with the printing system. This enables reading an IC card (FeliCa®) to login the printing system.

IC Card Read Type

Selects either **IDM** or **FeliCa®** type for the IC card to use.

System Code, Service Code, Number of User Blocks to Use

These items are used when **FeliCa** is selected in **IC Card Read Type**. Each item must be given a specific parameter for the FeliCa IC card to use.

Advanced > Management > Notification/Maintenance > Maintenance Notification

This feature defines the recipient of maintenance information reports.

Equipment ID

This is the name by which the machine will be identified.

Recipient Address

The E-mail address of the recipient. If there is more than one recipient then the addresses should be separated by a semicolon ";".

Subject

You can include model name, serial number, MAC address and equipment ID in the subject line as follows: Enter one of the following conversion strings starting with %. The string will be converted into a pre-defined string to display the above information.

- %printer = Model
- %serial = Serial Number
- %etheraddr = MAC Address
- %equipid = Equipment ID

E-mail Interval

Sets the time or interval for sending the status information. Events will be reported at the specified interval.

- None: No report is sent.
- Monthly: Sends on the specified time of specified month.
- Weekly: Sends on the specified time of every week.
- Daily: Sends at the specified time of every day.
- Hourly: Sends at the specified interval every hour.

If a specified day does not exist in the month, such as the 31st, the last day of the month is used as the specified day.

Run once now

You can test this by clicking the **Send** button to immediately send a report.

[Advanced > Management > Maintenance Notification > Sending Log History](#)

This feature defines the Job Log Notification information reports.

Recipient Address

The E-mail address of the recipient. If there is more than one recipient then the addresses should be separated by a semicolon ";".

Job Log Subject

You can include model name, serial number, and MAC address in the subject line as follows: Enter one of the following conversion strings starting with %. The string will be converted into a pre-defined string to display the above information.

- %printer = Model
- %serial = Serial Number
- %etheraddr = MAC Address

SSFC Job Log Subject

Defines the Job Log Notification information reports only when you log in by using a SSFC-format IC card. You can include the same information as above. (This menu available when an optional IC-card reader is installed with the printing system.)

Auto Sending

Determines whether the job log report is sent or not. Set this to **On** to send the report.

Jobs

Set the number of job logs for sending, from 1 to 1500.

Run once now

You can test this by clicking the Send button to immediately send a report.

Advanced > Security > Secure Protocols

You can encrypt communication between a PC and this machine using SSL encryption. For the changes made in the following to take effect, restart the machine as described in [Basic > Defaults > Reset](#) on page 3-6.

SSL

Specifies whether or not to use the SSL protocol.

Serverside Settings

- **Effective Encryption**

Selects the encryption algorithm(s) to be used.

- **HTTP Security**

Specifies the security level.

- **Secure Only (HTTPS)**

Encrypts all communication. Access is possible only with a URL that begins with "https://." Access attempts using an ordinary http:// URL are automatically redirected to the URL where "http://" is replaced with "https://."

- **Not Secure (HTTPS & HTTP)**

Enables access for both encrypted and unencrypted communication. Access is possible with https:// and http:// URLs. The former URL establishes encrypted communication and the latter establishes normal communication.

IPP Security

Specifies the security level.

- **Secure Only (IPP over SSL)**

Encrypts all communications.

- **Not Secure (IPP over SSL&IPP)**

Enables access for both encrypted and unencrypted communications.

Clientside Settings

- **Effective Encryption**

Allow you to specify the encryption algorithm for data communication. You can use more than one algorithms at a time.

- **Certificate Verification**

When set **On**, verify the expiration of the server certificate at communication. If found expired, communication will fail. When set **Off**, the expiration will not be verified.

Note: When the SSL is set to **On** and **HTTP Security** is set to **Secure (HTTPS)**, the document boxes cannot be accessed by the TWAIN driver.

Advanced > Security > IEEE802.1x

The IEEE802.1x security protocol allows the user to login to the secured networks based on the client certificates.

IEEE802.1x

Specifies whether or not to use the IEEE802.1x protocol.

Authentication Type

Selects either EAP-TLS or PEAP (EAP-MS-CHAPv2) for the authentication type.

Login User Name

Enter the name of the user who accesses the printing system. The IEEE802.1x client certificate of this user must be valid.

Login Password

You can set a PEAP-based password. (This setting is valid when PEAP [EAP-MS-CHAPv2] authentication type is selected.)

Common Name

Specifies the common name of the server certificate if the server is required to be authenticated. (This setting is valid when PEAP [EAP-MS-CHAPv2] authentication type is selected.)

Match Rule of Common Name

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. (This setting is valid when PEAP [EAP-MS-CHAPv2] authentication type is selected.)

Expiration Verification

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

Certificate Status

Displays whether the certificate is active or not.

Advanced > Security > IPSec > General

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

IPSec

Specifies whether or not to enable the IPSec protocol. Select **On** to enable the IPSec protocol. Select **Off** to disable it.

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 described under [Advanced > Security > IPSec > Rule1 \(to Rule3\)](#) on page 3-53. Select **Deny** to allow communication only with the hosts and networks permitted by the rules.

Authentication Type

Specifies the authentication type used for IKE phase1. To set a character string as the shared key and use it for communication, select **Pre-shared** and enter the string of the pre-shared key in the text box. To use a CA-issued device certificate or root certificate, select **Certificates**. When **Expiration Verification** is enabled, the expiration of the server certificate is verified at communicating. If the server certificate is found expired, communication will fail. When it is disabled, the expiration will not be verified. When you select **Certificates**, the contents of the CA certificate and root 1 to 3 certificates are displayed if they are enabled. When you click the **CA** or **Root** button, you can view, import or delete CA-issued or root certificates.

Rule1 (to Rule3)

Shows whether the set rule is enabled or disabled. To enable or disable the rule, refer to [Advanced > Security > IPSec > Rule1 \(to Rule3\)](#) on page 3-53.

Advanced > Security > IPSec > Rule1 (to Rule3)

These pages allow you to select or edit rules to use for IPSec protocol-based communication.

Rule

Specifies whether or not to enable the selected IPSec policy rule. Select **On** to enable the rule. Select **Off** to disable it.

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**

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 **Preshared** 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.

Data Protection (IKE phase2)

In IKE phase2, IPSec SAs such as AH or ESP 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. Select the hash algorithm below.

- **Hash**

Selects the hash algorithm.

- **Encryption**

Selects the encryption algorithm. (When **ESP** is selected under **Protocol**.)

- **PFS**

When **PFS** is set to **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-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 Measurement**

Specifies whether the lifetime is measured by time or by time and data size.

- **Lifetime (Time)/Lifetime (Data Size)**

Specifies the lifetime of an IPsec SA. **Lifetime Measurement** allows you to select whether to use time or data size to specify the lifetime. When you select **Time & Data Size**, an SA is disabled and updated when either the time or data size of the SA exceeds the specified value.

- **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 print system 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 print system.

- **IP Address (IPv6)**

Specifies the IPv6 addresses of the hosts or network with which the print system 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 print system.

- **Subnet Mask**

When **IPv4** is selected for **IP Version**, this specifies the subnet mask of the hosts or network with which the print system is connecting via IPsec. If this field is blank, the specified addresses are considered to be host addresses.

- **Prefix Length**

When **IPv6** is selected for **IP Version**, this specifies the prefix length of the hosts or network with which the print system is connecting via IPsec. If this field is blank, the specified addresses are considered to be host addresses.

4 Troubleshooting

Consult the table below to find basic solutions for problems you may encounter with COMMAND CENTER.

Troubleshooting

| Symptom | Check Items | Corrective Action | Reference |
|---|---|---|--|
| I can't access COMMAND CENTER. | Is the power turned on to this machine? | Turn the power on to this machine, wait until it is a ready state, and try to access COMMAND CENTER. | 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 COMMAND CENTER from an approved IP address. | Advanced > Protocols > TCP/IP > IP Filters on page 3-37 |
| | Is HTTP Security on the Advanced > Security > Secure Protocol page set to Secure (HTTPS)? | When HTTP Security is set to Secure (HTTPS), specify a URL that begins with https://. You cannot access COMMAND CENTER with an http:// URL. | Advanced > Security > Secure Protocols on page 3-51 |
| | Does the version of your browser application support operation using COMMAND CENTER? | Use a browser application that supports COMMAND CENTER. | Web browser on page 1-1 |
| Characters do not display properly in COMMAND CENTER. | Does the version of your browser application support operation using COMMAND CENTER? | Use a browser application that supports COMMAND CENTER. | Web browser on page 1-1 |

— continued

| | | | |
|---|---|---|--|
| | Is the same language as that displayed on the operation panel selected? | Select the same language as that displayed on the operation panel. | Basic > Defaults > Device Defaults on page 3-7 |
| I can't access the other pages. | Has the administrator set a password? | Enter the password. | Basic > Security > Account Settings on page 3-10 |
| 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 registered. | Did you click the Submit button after making the settings? | Click the Submit button and move to another page or close COMMAND CENTER window. | - |
| | Did you click the Restart button after making the settings? | Restart this machine. All settings will be registered. | Basic > Defaults > Reset on page 3-6 |
| | Are you using the System menu on this machine's panel while COMMAND CENTER is being operated? | Operate COMMAND CENTER 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 |

KYOCERA MITA AMERICA, INC.

Headquarters:

225 Sand Road,
Fairfield, New Jersey 07004-0008
TEL : (973) 808-8444
FAX : (973) 882-6000

New York Branch:

30-30 47th Avenue
Long Island City, NY 11101
TEL : (718) 289-2500
FAX : (718) 289-2501

Northeastern Region:

225 Sand Road,
Fairfield, New Jersey 07004-0008
TEL : (973) 808-8444
FAX : (973) 882-4401

Midwestern Region:

201 Hansen Court Suite 119
Wood Dale, Illinois 60191
TEL : (630) 238-9982
FAX : (630) 238-9487

Western Region:

14101 Alton Parkway,
Irvine, California 92618-7006
TEL : (949) 457-9000
FAX : (949) 457-9119

Southeastern Region:

3100 Breckinridge Blvd. NW Building 100,
Suite 105 Duluth, Georgia 30096
TEL : (770) 729-9786
FAX : (770) 729-9873

Southwestern Region:

2825 West Story Road,
Irving, Texas 75038-5299
TEL : (972) 550-8987
FAX : (972) 570-4704

National Operation Center & National Training Center:

2825 West Story Road,
Irving, Texas 75038-5299
TEL : (972) 659-0055
FAX : (972) 570-5816

Latin America Division:

8240 N.W. 52nd. Terrace Dawson Building,
Suite 108 Miami, Florida 33166
TEL : (305) 421-6640
FAX : (305) 421-6666

KYOCERA MITA CANADA, LTD.

6120 Kestrel Road, Mississauga,
Ontario L5T 1S8, Canada
TEL : (905) 670-4425
FAX : (905) 670-8116

KYOCERA MITA MEXICO, S.A. DE C.V.

Calle Arquimedes No. 130, 4° Piso,
Colonia Polanco Chapultepec,
Delegacion Miguel Hidalgo,
Distrito Federal, C.P. 11560, México
TEL : (55) 5383-2741
FAX : (55) 5383-7804

KYOCERA MITA Brazil Ltda.

Av. Tambore, 1180 Mob.B-09 CEP 06460-000
Tambore-Barveri-SP,
Brazil
TEL : (55) 11-4195-8496
FAX : (55) 11-4195-6167

KYOCERA MITA Asia Limited

16/F., Mita Centre,
552-566, Castle Peak Road,
Tsuen Wan, New Territories, Hong Kong
Phone: (852)-2610-2181

KYOCERA MITA (Thailand) Corp., Ltd.
335 Ratchadapisek Road, Bangsue,
Bangkok, 10800, Thailand
Phone: (66)-2-586-0333

KYOCERA MITA Singapore Pte Ltd.
12 Tai Seng Street #04-01A
LUXASIA BUILDING, Singapore 534118
Phone: (65)-6741-8733

KYOCERA MITA Hong Kong Limited
16/F., Mita Centre,
552-566, Castle Peak Road,
Tsuen Wan, New Territories,
Hong Kong
Phone: (852)-2429-7422

KYOCERA MITA Taiwan Corporation
6F., No.37, Sec. 3, Minquan E. Rd.,
Zhongshan Dist., Taipei 104, Taiwan R.O.C.
Phone: (886)-2-2507-6709

KYOCERA MITA Korea Co., Ltd.
18F, Kangnam bldg, 1321-1,
Seocho-Dong, Seocho-Gu, Seoul, Korea
Phone: (822)-6933-4050

KYOCERA MITA India Private Limited
First Floor, ORCHID CENTRE
Sector-53, Golf Course Road, Gurgaon 122
002, India
Phone: (91)-0124-4671000

KYOCERA MITA EUROPE B.V.

Bloemlaan 4, 2132 NP Hoofddorp,
The Netherlands
Phone: +31.20.654.0000
Home page: <http://www.kyoceramita-europe.com>
Email: info@kyoceramita-europe.com

KYOCERA MITA NEDERLAND B.V.
Beechavenue 25, 1119RA Schiphol-Rijk
The Netherlands
Phone: +31.20.58.77.200

KYOCERA MITA (UK) LTD
8 Beacontree Plaza
Gillette Way Reading Berks RG2 0BS,
U.K.
Phone: +44.1189.311.500

KYOCERA MITA ITALIA S.p.A.
Via G. Verdi, 89 / 91, 20063 Cernusco s/N
Milano, Italy
Phone: +39.02.92179.1

S.A. KYOCERA MITA BELGIUM N.V.
Sint-Martinusweg 199-201, 1930 Zaventem,
Belgium
Phone: +32.2.720.9270

KYOCERA MITA FRANCE S.A.
Espace Technologique de St Aubin
Route de l' Orme
91195 Gif-sur-Yvette CEDEX, France
Phone: +33.1.6985.2600

KYOCERA MITA ESPAÑA S.A.
Edificio Kyocera, Avda de Manacor No. 2,
28290 Las Matas (Madrid),
Spain
Phone: +34.91.631.8392

KYOCERA MITA FINLAND OY
Atomitie 5C, 00370 Helsinki,
Finland
Phone: +358.9.4780.5200

KYOCERA MITA (SCHWEIZ)
Hohlstrasse 614, 8048 Zürich
Switzerland
Phone: +41.44.908.4949

KYOCERA MITA DEUTSCHLAND GMBH
Otto-Hahn-Str. 12 D-40670 Meerbusch,
Germany
Phone: +49.2159.918.0

KYOCERA MITA GMBH AUSTRIA
Eduard-Kittenberger-Gasse 95,
1230 Wien,
Austria
Phone: +43.1.86338

KYOCERA MITA SVENSKA AB
Esbogatan 16B 164 75 Kista,
Sweden
Phone: +46.8.546.55000

KYOCERA MITA NORGE
Postboks 150 Oppsal, NO 0619 Oslo
Olaf Helsetsvei 6, NO 0694 Oslo,
Norway
Phone: +47.22.62.73.00

KYOCERA MITA DANMARK A/S
Ejby Industrivej 60, DK-2600 Glostrup,
Denmark
Phone: +45.7022.3880

KYOCERA MITA PORTUGAL LDA.
Rua do Centro Cultural, 41 (Alvalade) 1700-106 Lisboa,
Portugal
Phone: +351.21.843.6780

KYOCERA MITA SOUTH AFRICA (PTY) LTD.
49 Kyalami Boulevard,
Kyalami Business Park Midrand,
South Africa
Phone: +27.(0)11.540.2600

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road,
Fairfield, New Jersey 07004-0008,
U.S.A.
Phone: (973) 808-8444

KYOCERA MITA AUSTRALIA PTY. LTD.
Level 3, 6-10 Talavera Road, North Ryde,
N.S.W. 2113 Australia
Phone: (02) 9888-9999

KYOCERA MITA NEW ZEALAND LTD.
1-3 Parkhead Place, Albany
P.O. Box 302 125 NHPC, Auckland,
New Zealand
Phone: (09) 415-4517

KYOCERA MITA Asia Limited

16/F., Mita Centre,
552-566, Castle Peak Road,
Tsuen Wan, New Territories, Hong Kong
Phone: (852)-2610-2181

KYOCERA MITA Corporation

2-28, 1-chome, Tamatsukuri, Chuo-ku
Osaka 540-8585, Japan
Phone: (06) 6764-3555
<http://www.kyoceramita.com>

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