

Embedded Web Server

Operation Guide

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General Information

When using this utility, the items that can be configured will differ depending on the model of your printing system or multifunctional printer (hereinafter referred to as "printing system").

Examples in this document are described in terms of the Internet Explorer 6.0 and Microsoft Windows XP operating system environment.

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1 Introduction

Using EWS

Embedded Web Server (hereinafter referred to as EWS) 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

Protocol

EWS operates in the following environment. Check the following before use.

- 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 *1
- Mozilla Firefox 1.5 or later
- Safari 2.0 or later *2

*1: Microsoft Internet Explorer operates on Microsoft Windows 98SE/Me/2000/XP/Vista, and Microsoft Windows NT 4.0.

*2: Safari operates on Apple Macintosh OS X 10.4 or later.

2 Access

Accessing EWS

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/`. The **Start** page displays basic information about the machine and EWS as well as the current status of the machine.

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

Admin password

When trying to access any screens other than the **Start** page when a EWS Admin password has been set, enter a user name and password.

The administrator password may be defined on the **Basic** page. If prompted to enter User name and Password, any value may be entered for User Name (including leaving it blank). For Password, enter EWS Admin password.

3 EWS Pages

The EWS 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.

Page	Description
Start	This page allows you to verify this machine's operating status and current settings.
Basic	This page includes settings that apply to the entire machine, such as Device Defaults, Security, and Basic Networking.
Printer	This page includes settings that apply to the printing function of the machine, such as Default Print Resolution and Copy Count.
Advanced	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
- Changing the language that EWS is displayed in
- Verifying various settings (machine, printing, network and E-mail)
- 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 EWS has been started up.

Item	Description
Select Language	Appears if EWS pages support multiple languages. To change EWS language: <ol style="list-style-type: none"> 1. Open the Select Language drop down list by clicking it. 2. Select the appropriate language. If you attempt to view EWS 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.

Item	Description
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.
General Information	This allows you to verify the following information: <ul style="list-style-type: none">- IP Address- Host Name- sysUpTime- MAC Address- System Firmware- Engine Firmware- Serial Number- Asset Number.- Printed Page(s) (For monochrome printers only)
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 EWS.

It is divided by the following items.

- Network
- Printer
- Counters

Item	Description
Network > General	This allows you to verify the settings made under SNMP, TCP/IP, AppleTalk, and NetBEUI in the Advanced page. For more information on SNMP, refer to <i>Advanced > Management/E-mail > SNMP</i> on page 19. For more information on other items, refer to <i>Advanced > Protocols > TCP/IP > General</i> on page 12.
Network > IP Filters	This displays the list of IP address range that have access permissions as set on the IP Filters page of the Advanced page. If no IP addresses have been designated, then access permission will be granted to all addresses. For more information, refer to <i>Advanced > Protocols > TCP/IP > IP Filters</i> on page 13.
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 <i>Advanced > Management/E-mail > POP3 > General</i> on page 18. For more information on SMTP, refer to <i>Advanced > Management/E-mail > SMTP > General</i> on page 16.
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 <i>Advanced > Protocols > TCP/IP > Logical Printers</i> on page 13.
Network > Netware	This allows you to verify the settings made on the Netware page of the Advanced page. For more information, refer to <i>Advanced > Protocols > Netware > General</i> on page 14.
Printer > General	This allows you to verify the settings made on the Basic and the Printer pages. For more information, refer to <i>Basic Page</i> on page 6 and <i>Printer Page</i> on page 9.
Printer > I/F Independent	This allows you to verify the FRPO settings (I/F Independent) For more information, refer to <i>Printer > FRPO Parameters > Interface Independent/Dependent</i> on page 11
Printer > I/F Dependent	This allows you to verify the FRPO settings (I/F Dependent) For more information, refer to <i>Printer > FRPO Parameters > Interface Independent/Dependent</i> on page 11
Printer > APL. Filter	This allows you to verify the APL. Filter settings For more information, refer to <i>Printer > System > APL. Filter</i> on page 10
Printer > APL. Filter Parameters	This allows you to verify the APL. Filter Parameters settings For more information, refer to <i>Printer > System > APL. Filter Parameters</i> on page 10
Counters > by Function	This allows you to verify the number of printed and scanned pages in each function.
Counters > by Paper Size	This allows you to verify the number of printed pages in each paper size.

Item	Description
Counters > by Color mode	This allows you to verify the number of printed pages in each color (Monochrome , Mono Color and Full Color).

Start > Information

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

Item	Description
Contacts	Displays the dealer and service center contact information. For more information, refer to <i>Advanced > Information > Contacts</i> on page 21
About	The model number of this printing system and Version of Firmware can be confirmed.

Basic Page

This section includes settings that apply to the machine, such as Device Defaults, Security, and basic Networking. If the Admin password has been set, pages in this section are available only to the Administrator.

For security purposes, setting the Administrator password is highly recommended. See the Security section for other security options.

Basic > Device Defaults

This page allows you to make settings that change the display language of the operation panel, access privileges for the operation panel, time until the printing system switches to Auto Sleep, and the RAM Disk Size.

Item	Description
Operation Panel Language	The languages are available for selection in the drop down list.
Operation Panel	EWS provides the ability to restrict access to the operation panel. Select one of the available settings: <ul style="list-style-type: none"> • Unlock: The operation panel is fully operable. • Partial Lock: Restricts use of the MENU key. • Lock: Restricts use of all operation panel keys.
Sleep Timer	Adjusts the sleep time between 5 to 240 minutes. The default setting depends on each printing system.
Auto Sleep	Switches Auto Sleep On or Off. The default setting is On . To change Auto Sleep to Off : <ol style="list-style-type: none"> 1. Click Advanced on the right side of Sleep Timer. 2. Set Auto Sleep to Off. 3. Click the Submit button.

Item	Description
RAM Disk Mode	Switches RAM disk mode On or Off. When RAM disk mode is On, the RAM disk size should be adjusted as follows. When a hard disk is installed in the printing system, RAM disk mode is not available.
RAM Disk Size	This is used to specify RAM disk size. Click on the drop down list to select the size. The maximum RAM disk size varies depending on the total memory size installed in the printing system.
Buzzer Control	Specifies whether or not to sound the buzzer depending on operation types.

Basic > Security > Account Setup

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.

By factory default, the Admin password is not set. Setting the Admin password is highly recommended to prevent unauthorized changes to the machine and networking configuration.

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 16 character long.
3. Enter the same password in **Confirm New Password**.
4. Click the **Submit** button.

Basic > 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 12.

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 > Reset* on page 9.

Item	Description
Host Name	Specifies a name for the printing system network component. This name is also used as the NetBEUI printer name.
IP Address	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. <i>192.168.110.171</i> .
Subnet Mask	Specifies the subnet mask. If the first number in the IP address above is from 192 to 254, then use 255.255.255.0 as the subnet mask.

Item	Description
Default Gateway	Specifies the IP address of the default gateway.
DHCP	The printing system can obtain IP configuration via a DHCP server automatically. This enables (On) or disables (Off) DHCP.
BOOTP	The printing system can obtain IP configuration via a BOOTP server automatically. This enables (On) or disables (Off) BOOTP.
Bonjour	Enables (On) or disables (Off) Bonjour. Printers can be added from the Printer Center in Mac OS X. In Windows, you can add printers using the Bonjour printer wizard. To allow printing, the printing system should support KPDLL.
Bonjour Name	Specifies the name to use for Bonjour.
10/100 Connection	Specifies the speed of the network to which this machine is connected.

Basic > Time

The current time can be set from the machine's operation panel and, if a time server is used to synchronize the time as well, the current time can be adjusted regularly and easily. 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.

Item	Description
Current Local Time	Displays the time that is currently set in the machine.
Time Zone	Sets a time difference.
Time Protocol	Select the time server for obtaining the time. The available time protocol are shown below. <ul style="list-style-type: none">• None: The time is not obtained from the time server.• NetWare: NetWare obtains time from the connected file server.• SNTP Server: Time is obtained from SNTP server on the network. Enter the server name or IP address.

Basic > Reset

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

Item	Description
Restart Network Interface	When clicking the Restart button, the network interface restarts. Always restart the network interface after you have changed any settings for the Basic > Network page or the Advanced page.
Set ALL Network Settings to Factory Default	When clicking the Reset button, the network interface returns to the factory default settings.

Printer Page

This section includes settings that apply to the printing function of the machine, such as default print resolution or copy count. If the Admin password has been set, pages in this section are available only to the Administrator.

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 6.

Printer > System > General

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

Item	Description
Emulation	Selects an emulation mode for each interface.
Duplex Mode *1	Selects the default duplex mode from Off , Long Edge and Short Edge .
Copies	Sets the number of copies to print.
Page Orientation	Switches Portrait or Landscape page orientation.
Tone *2	Sets Tone mode to Normal or Fine . The default setting is Normal .
Gloss Mode *2*4	Sets Gloss Mode to High or Low . The default setting is Low .
Color Mode *2	Sets Color Mode to Monochrome or Color .
KIR Mode *3	Switches KIR (Kyocera Image Refinement) smoothing On or Off.

Item	Description
EcoPrint Mode *3	Switches EcoPrint On or Off to control toner consumption for saving the printing costs. The default setting is Off .
Resolution *3	Changes the printing resolution from 300 dpi , 600 dpi , and Fast1200 , Fine1200 ..

*1 : Available on machines with the duplex printing.

*2 : Available for color machines.

*3 : Available for monochrome machines.

*4 : Available on machines which support Gloss Mode.

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.

Item	Description
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.

Item	Description
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 load different paper in the input trays and specify the type or size using EWS.

Item	Description
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. For the MP tray only, this setting can be changed using the dropdown list.

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

Printer > Document Output

This page lets you select an output tray.

Item	Description
Default	Determines the default output tray.
Paper Output	Displays the trays including those provided by option.
Output Orientation	Displays how the printouts are received; face down or face up.

Printer > FRPO Parameters > Interface Independent/Dependent

The FRPO (Firmware RePrOgram) parameter settings for the printing system are listed on this page. The parameter settings can be changed by entering a value for the desired parameter. For details, refer to the **PRESCRIBE Commands Command Reference** included on the CD-ROM.

These parameters control the initial state of the environment at power-on, including the initial emulation mode, page orientation, character set, buffer allocations in memory, interface parameters, and other options.

The parameters may be changed permanently with the FRPO command. Some FRPO parameters affect only the current interface (interface-dependent) and some affect all interfaces at once (non-interface-dependent). If the printing system is shared with other users, remember that any changes to any non-interface-dependent parameters may interfere with the print jobs of other users.

Printer > Printable Data

Printable files can be sent to the printing system for printing. The printable files are shown in the table below. Entered text can also be printed.

Item	Description
File	Click the Browse button at the right side to select the file. Files with the extensions *.ps, *.prn, *.pdf, and *.txt can be printed. For *.ps and *.pdf files, set the emulation to KPDL or AUTO .
Text	Enter the text that you want to print directly into the input box. Text up to 255 characters can be entered.

Advanced Page

This section includes advanced settings that apply to the machine and is comprised primarily of advanced network settings. Pages in this section are available only to the Administrator (if the Admin password has been set).

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 > Reset* on page 9.

Advanced > Protocols > TCP/IP > General

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

Item	Description
Host Name	Specifies a name for the printing system network component. This name is also used as the NetBEUI printer name.
IP Address	Assigns the IP address on the printing system network component, e.g. <i>192.168.110.171</i> .
Subnet Mask	Specifies the subnet mask.
Default Gateway	Specifies the IP address of the default gateway.
DHCP	Specifies whether or not to acquire the IP address automatically with DHCP.
BOOTP	Specifies whether or not to acquire the IP address automatically with BOOTP.
Bonjour	Specifies whether or not to acquire the IP address automatically with Bonjour. Adds a printer from the Printer Center in Mac OS X. In Windows, you can add a printer using the Bonjour printer wizard. When you print in Mac OS X, the printer must support KPDL.
Bonjour Name	Specifies the Bonjour name when Bonjour is set ON .
RARP	Specifies whether or not to acquire the IP address automatically with RARP (Reverse Address Resolution Protocol).
ARP/PING	Specifies whether or not to acquire the IP address automatically with ARP/PING.
DNS Server (Primary, Secondary)	Specifies the IP address of the primary and secondary DNS (Domain Name System) servers.
Domain Name	Specifies the DNS (Domain Name System) name of the domain which the printing system belongs. It should not include the host printer name.
WINS Server (Primary, Secondary)	Specifies the IP address of the primary and secondary WINS (Windows Internet Name Service) servers.
Scope ID	Specifies the scope of IP addresses within which the Windows server assigns an IP address to the printing system requesting an address. The DHCP server may be set up to lease IP addresses for a limited time or for an unlimited time, or assign them permanently.

Item	Description
FTP Status Check	Enables or disables the FTP Status Check.

Advanced > Protocols > TCP/IP > IP Filters

This page allows you to configure the IP filter. The IP filter is a function that restricts access to this machine by the IP address or protocol types.

Specifies the range of IP addresses to be permitted.

When there are no entries, all hosts are permitted access.

Item	Description
Starting Address	Specifies the start address of the permitted IP address range.
Ending Address	Specifies the end address of the permitted IP address range.
Protocols	Specifies the protocol to be permitted. The following protocols can be selected. <ul style="list-style-type: none"> - LPD - FTP - IPP - HTTP - SNMP - RAW Port

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 FTP, LPR, or IPP protocols. All printout to a non-existent port will be accomplished to **Logical Printer1**.

Item	Description
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 (e.g. FTP or LPD).
Bi-directional Printing	Enables (On) or disables (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, PjL and other such commands, it is necessary to enable (On) bi-directional printing.

Item	Description
Start of Job Strings	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 Strings	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.
Banner Page	Specifies whether or not to print banner pages.

Advanced > Protocols > Netware > General

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 logon 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.

Item	Description
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.
NDS Tree	Enter the name of the NDS Tree.
NDS Context	Enter the NDS Context.
Print 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.
Banner Page Requests	Specifies whether or not to print banner pages when printing in Print Server Mode.
Password (optional)	Enter the Password, if required. Login to NetWare will be successful only if the password set here matches the Print Server password set within the NetWare utilities.

Item	Description
Remote Printer Mode	Enables or disables Remote Printer Mode.
Remote Printer Name	Enter the name of the remote printer.
Job Timeout	Enter the timeout in seconds.

Advanced > Protocols > NetWare > Bindery Services

This allows registration of the file servers for Print Server Mode for making the connection and the print servers for Remote Printer Mode. If no registration is made, a network search is made at startup, and connection is automatically made to the first eight servers that are found.

Even if a registered file server is started after this system is running, polling is performed from the system at regular intervals for automatically connecting to the server.

Item	Description
Print Server Mode	Enables registration for up to eight file servers. If there are nine or more file servers, register the file server names that have priority in connection. If no registration is made, a connection is automatically made to up to eight servers at startup. The print server names in the file servers must match the print server's names in this system.
Remote Printer Mode	Enables registration for up to eight print servers. If there are nine or more print servers, register the print server names that have priority in connection. If no registration is made, a connection is automatically made to up to eight servers at startup. The printer names (printer port names) in the print servers must match with the remote printer names (printer port names) in this system.

Advanced > Protocols > AppleTalk

You can print from Macintosh computers using the AppleTalk protocol.

The printing system network component supports Mac OS of various versions (*System Requirements* on page 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.

Item	Description
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.

Item	Description
NetBEUI Protocol	Enables or disables NetBEUI protocol.
Browse Master	With this option set to On , the printing system becomes the browse master and creates a workgroup in Windows Network Neighborhood. With this option set to Off , the printing system can only join an existing workgroup.
Printer Name	Printer Name correlates with Host Name in the TCP/IP General page (refer to <i>Advanced > Protocols > TCP/IP > General</i> on page 12). 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 > Management/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.

Item	Description
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. The maximum length of the SMTP server name and IP address is 78 characters. 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 <i>Advanced > Protocols > TCP/IP > General</i> on page 12).
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.
Authentication Protocol	Enables or disables the SMTP authentication protocol. The SMTP authentication supports Microsoft Exchange 2000.

Item	Description
Authenticate as	Authentication can be set from three POP3 accounts or you can choose a different account. Specifies the user to be authenticated in SMTP authentication. When POP3 User 1 to 3 (refer to <i>Advanced > Management/E-mail > POP3 > User #</i> on page 18) 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. The maximum length of the login account name is 64 characters.
Login Password	When Other is selected for Authenticate as , the password set here will be used for authentication. The maximum length of the login password is 31 characters.
Sender Address	Enter the E-mail address of the person responsible for the printing system, such as the printer administrator, so that 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. The maximum length of the sender address is 78 characters.
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. <ul style="list-style-type: none"> - %printer = Model - %serial = Serial Number - %etheraddr = MAC Address - %host = Host Name - %ip = IP Address - %status = Printer Status
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. The maximum length of the signature is 127 characters within four lines.

[Advanced > Management/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.

Item	Description
Recipient # Address	Enter the E-mail address for this recipient.

Item	Description
Event Report Items	Select the events you want to be reported. These events are: <ul style="list-style-type: none"> - Add Paper - Low Toner - Add Toner - Cover Open - Paper Jam - 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 1000 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. <ul style="list-style-type: none"> • None: No report is sent. • Monthly: Sends on the specified day of specified month. • Weekly: Sends on the specified day 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/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.

Item	Description
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.

Advanced > Management/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.

Received E-mails can be filtered by size, title, To, CC or From. Attached files can be received and printed.

Item	Description
User #	Enables or disables this user number.

Item	Description
E-mail Address	Enter the E-mail address.
POP3 Server Name	Enter the POP3 server name or IP address.
Test	This will test one transmission for each press.
POP3 Port Number	Enter the POP3 port number or use the default port number 110.
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.
Delete e-mail after retrieval	Enables or disables the Delete E-mail after retrieval function.
E-mail size limit	Enter maximum E-mail size in Kilobytes. When the value is 0, the limitation for E-mail size is disabled.
Filter Setting	<p>Specify character strings for filtering E-mail (255 characters maximum). The filtering characters are shown below.</p> <ul style="list-style-type: none"> • S: to filter the Subject condition. • T: to filter the (To) condition. • C: to filter the (Cc) condition. • F: to filter the (From) condition. <p>To filter using two or more conditions (OR), insert between each string. To filter using all conditions (AND), insert & between each string.</p> <p>For example, to print only the E-mails with a subject of Service or Technical, specify: <i>S:Service S:Technical</i>.</p>
Cover Page	Enables or disables the sending of a cover page.

Advanced > Management/E-mail > SNMP

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 up to two pre-determined trap recipients.

Item	Description
Read Community	The read community can be used like a password. The default read community name is <i>public</i> . When a management application sends an SNMP request to read a value, it must include the correct read community name or the request will be rejected by the printing system.
Write Community	Similar in function to the read community, but used in SNMP requests to write (change) a value.

Item	Description
sysContact	The MIB-II sysContact object, usually the E-mail address of the network administrator.
sysName	The MIB-II sysName object, usually the host or domain name of the printing system.
sysLocation	The MIB-II sysLocation object, usually the location information of the printing system.
HP Web Jetadmin Compatibility	Turns HP Web Jetadmin Compatibility on or off.
Authentication Traps	Check On to enable or Off to disable the MIB-II EnableAuthenTrap object. If enabled, 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.
Trap Community	The SNMP trap community name to be used when the printing system generates a trap.
Trap IP Address	The IP address which will receive the trap.
Trap IPX Address	The IPX address which will receive the trap.
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/E-mail > Maintenance](#)

This feature defines the recipient of maintenance information reports.

Item	Description
Equipment ID	This is the name by which the machine will be identified. The maximum length of the Equipment ID is 15 characters.
Recipient Address	The E-mail address of the recipient. If there is more than one recipient then the addresses should be separated by a semi-colon ";".
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. <ul style="list-style-type: none"> - %printer = Model - %serial = Serial Number - %etheraddr = MAC Address - %equipid = Equipment ID

Item	Description
E-mail Interval	<p>Sets the time or interval for sending the status information. Events will be reported at the specified interval.</p> <ul style="list-style-type: none"> • None: No report is sent. • Monthly: Sends on the specified day of specified month. • Weekly: Sends on the specified day of every week. • Daily: Sends at the specified time of every day. • Hourly: Sends at the specified interval every hour. <p>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.</p>
Run once now	You can test this by clicking the Send button to immediately send a report.

Advanced > Information > Contacts

Contact information can be registered. It is recommended that you register the dealer and service center contact information.

Item	Description
Title1 (to 4)	Set the Title (31 characters maximum). The default settings are as follows: Title1: Dealer, Title2: Supplies, Title3: Service, Title4: Tech Support
Company	Enter the company name (31 characters maximum).
Account #	Enter the account (31 characters maximum).
Address	Enter the address (31 characters maximum).
Web Site	Enter the Web URL (31 characters maximum).
Contact	Enter the contact (31 characters maximum).
Phone	Enter the telephone number (15 characters maximum).
Fax	Enter the FAX number (15 characters maximum).
Cellular phone	Enter the cellular phone number (15 characters maximum).
E-mail	Enter the E-mail address (31 characters maximum).

4 Troubleshooting

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

Symptom	Check Items	Corrective Action	Reference
I can't access EWS.	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 EWS.	<i>Operation Guide</i>
	Is the network cable properly connected?	Connect the network cable properly.	<i>Operation Guide</i>
	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 EWS from an approved IP address.	<i>page 13</i>
	The SNMP Read Community settings function as passwords to control read and write access to the machine via SNMP.	Access EWS from an approved Read Community.	<i>page 19</i>
	Does the version of your browser application support operation using EWS?	Use a browser application that supports EWS.	<i>page 1</i>

Symptom	Check Items	Corrective Action	Reference
Characters do not display properly in EWS.	Does the version of your browser application support operation using EWS?	Use a browser application that supports EWS.	<i>page 1</i>
	Is the same language as that displayed on the operation panel selected?	Select the same language as that displayed on the operation panel.	<i>page 6</i>
I can't access the other pages.	Has the administrator set a password?	Enter the password.	<i>page 7</i>
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 EWS window.	-
	Did you click the Restart button after making the settings?	Restart this machine. All settings will be registered.	<i>page 9</i>
	Are you using the System menu on this machine's panel while EWS is being operated?	Operate EWS 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 <i>Operation Guide</i> .	<i>Operation Guide</i>

DIRECTIVE 2002/96/CE ON THE TREATMENT, COLLECTION, RECYCLING AND DISPOSAL OF ELECTRIC AND ELECTRONIC DEVICES AND THEIR COMPONENTS

INFORMATION

1. FOR COUNTRIES IN THE EUROPEAN UNION (EU)

The disposal of electric and electronic devices as solid urban waste is strictly prohibited: it must be collected separately.

The dumping of these devices at unequipped and unauthorized places may have hazardous effects on health and the environment.

Offenders will be subjected to the penalties and measures laid down by the law.

TO DISPOSE OF OUR DEVICES CORRECTLY:

- a) Contact the Local Authorities, who will give you the practical information you need and the instructions for handling the waste correctly, for example: location and times of the waste collection centres, etc.
- b) When you purchase a new device of ours, give a used device similar to the one purchased to our dealer for disposal.



The crossed dustbin symbol on the device means that:

- when it to be disposed of, the device is to be taken to the equipped waste collection centres and is to be handled separately from urban waste;
- The producer guarantees the activation of the treatment, collection, recycling and disposal procedures in accordance with Directive 2002/96/CE (and subsequent amendments).

2. FOR OTHER COUNTRIES (NOT IN THE EU)

The treatment, collection, recycling and disposal of electric and electronic devices will be carried out in accordance with the laws in force in the country in question.