



Epson AcuLaser C3900 Series

# Reference Guide

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## Chapter 1

# Operation on Linux

## System Requirements

Operating systems	Red Hat Enterprise Linux 5 Desktop SUSE Linux Enterprise Desktop 10
Connecting the computer and printer	USB connection, Network connection (10Base-T/100Base-TX/1000Base-T)
RAM	More than OS recommendation (128 MB or more is recommended)
Network	LPR
	AppSocket/HP JetDirect
	IPP
Available hard disk space	256 MB or more

**Note:**

*As an example, the descriptions of the operations for Red Hat Enterprise Linux 5 are provided in this chapter.*

## Installing PPD File From the Command Line

**Note:**

Before proceeding with the installation, be sure to exit all running applications.

Root privileges are required in order to install `ppd` file.

1. Copy the `ppd` file from the Software Disc to the “`/usr/share/cups/model`” on the computer.

**Note:**

*A `ppd` file for each language is available in the corresponding “`Drivers/LinuxPPD/[language]`” folder on the Software Disc. Use the appropriate `ppd` file for the language.*

2. From the Main Menu, select **Applications**, then **Accessories**, then **Terminal**.
3. Enter the command “`/etc/init.d/cups restart`”.

4. Quit Terminal.

---

## **Adding the Printer Using Printer configuration**

**Note:**

- Before proceeding with the installation, be sure to exit all running applications.
  - Root privileges are required in order to add the printer.
1. Connect the printer to a computer or the network.
    - With a USB connection, the Specify Printer Driver dialog box appears. Click **Cancel** to close the dialog box.
  2. Insert the Software Disc in the CD/DVD drive of your computer.
  3. From the **System** menu, select **Administration**, then **Printing**.
  4. Click **New Printer**.
  5. Enter the printer name, description, and location, and then click **Forward**.

The printers that can be used are automatically searched for and listed in the left pane of the dialog box.

6. From the left pane of the dialog box, select the port for the printer to be installed.
  - If the desired printer is not listed, select a device port from the **Devices** list. In the right pane of the dialog box, type in the host name or IP address for the printer.

**Note:**

- TCP/IP: AppSocket/HP jetDirect, Internet Printing Protocol (ipp) or LPD/LPR Host or Printer**
  - Host name of Internet Printing Protocol (ipp): <IP address>/ipp*
7. Click **Forward**.
  8. Select **Provide PPD file**.
  9. Click the folder icon.

10. Select the PPD file.

**Note:**

*A ppd file for each language is available in the corresponding “Drivers/LinuxPPD/[language]” folder on the Software Disc. Use the appropriate ppd file for the language.*

11. Click **Open**.

The name of the selected PPD file is displayed.

12. Click **Forward**.

13. Click **Apply**.

---

## **Adding the Printer on the CUPS Administration Web page**

**Note:**

*Before proceeding with the installation, be sure to exit all running applications.*

*Root privileges are required in order to add the printer.*

1. Connect the printer to a computer or the network.

With a USB connection, the Specify Printer Driver dialog box appears. Click **Cancel** to close the dialog box.

2. Start up the Web browser.

3. Enter the URL “http://localhost:631”.

4. Click **Add Printer**.

5. Enter the printer name, location, and description, and then click **Continue**.

6. Select a Device Port from the Device list, then click **Continue**.

TCP/IP: AppSocket/HP JetDirect, Internet Printing Protocol (http) or LPD/LPR Host or Printer

USB: USB Printer #1

7. For a USB connection, skip to step 7. Enter the device URI in the following form: socket://<Printer IP or Printer Hostname>[:port]

**Note:**

*Example:*

*Using Printer IP - socket://192.168.1.190:9100*

*Using printer Hostname - socket://Hostname:9100*

*Hostname may be substituted by IP Address, and Port is optional.*

8. Click **Continue**.
9. Select **Seiko Epson**, click **Continue**.

**Note:**

*A ppd file for each language is available in the corresponding “Drivers/LinuxPPD/[language]” folder on the Software Disc. Use the appropriate ppd file for the language.*

10. Select the printer name, then click **Add Printer**.
11. Enter the user name and password for using root privileges, and then click **OK**.  
The Set Printer Options window appears.

---

## **Specifying Printer Driver Settings**

### **Displaying the Settings Page**

1. Start up the Web browser.
2. Enter the URL “http://localhost:631”, and then click **Manage Printers**.
3. Click **Set Printer Options**.

## Printer Driver Settings

### Installable Options

Parameters	Settings
Paper Source Unit	Select <b>Unit 3</b> if an optional 500-sheet paper cassette unit for the printer has been installed. Default: <b>Disabled</b>
Storage	Select <b>None</b> or <b>HDD</b> for the storage unit that is installed. Do not select <b>CF(1GB Over)</b> , because the printer does not support CompactFlash cards. Default: <b>None</b>
Duplex Unit	Select <b>Enabled</b> if the duplex unit for the printer has been installed. Default: <b>Disabled</b>
Printer Memory	Select <b>256 MB</b> or <b>768 MB</b> if an optional memory for the printer has been installed. Default: <b>256 MB</b>

### General

Parameters	Settings
Nearest Size and Scale	If no paper tray contains paper of the specified size, the page is automatically enlarged or reduced and paper of the most appropriate size is selected. Default: <b>Off</b>
Resolution	Displays the image resolution (High Quality) for printing.
Paper Type	Specifies the paper type. Default: <b>Printer Default</b>
Paper Source	Specifies the paper source. Default: <b>Tray 1</b>
Manually Print on 2nd side	Select whether or not to print on the back side of paper that has already been printed on. Default: <b>Off</b>
Paper Sizes	Specifies the paper size. An irregular paper size cannot be selected.

<b>Parameters</b>	<b>Settings</b>
Collate	If <b>On</b> is selected, all pages in the documents are printed as sets of printouts. Default: <b>Off</b>
Duplex Options	Specifies the duplex print binding position, if the duplex unit for the printer has been installed. Default: <b>Simplex</b>
Select Color	Specifies the color for printing as <b>Color</b> or <b>Grayscale</b> . Default: <b>Color</b>
Color Separation	Specifies the color separation. Default: <b>Off</b>
Brightness	Specifies the brightness of the image. Default: <b>0%</b>
Edge Strength	Set the edge strength. Default: <b>Middle</b>
Economy Print	Select whether or not economy printing is used. Default: <b>Off</b>
Auto Trapping	Select whether or not neighboring colors are printed superimposed in order to prevent white space around images. Default: <b>Off</b>
Black Over Print	Specify whether black objects are printed (superimposed) on a neighboring color in order to prevent white space around black characters or figures.  If <b>Text/Figure</b> is selected, superimposed printing is applied to text and graphics.  If <b>Text</b> is selected, superimposed printing is applied to text. Default: <b>Off</b>

### ***Image Options/Text Options/Graphics Options***

<b>Parameters</b>	<b>Settings</b>
Image RGB Source/Text RGB Source/ Graphics RGB Source	Specifies RGB source for image/text/graphic as <b>None</b> , <b>sRGB</b> , <b>Adobe RGB (1998)</b> , <b>Apple RGB</b> , <b>ColorMatch RGB</b> , or <b>Blue Adjust RGB</b> . Default: <b>sRGB</b>

Parameters	Settings
Image RGB Intent/Text RGB Intent/ Graphics RGB Intent	Specifies RGB intent for image/text/graphic as <b>Vivid</b> , <b>Photographic</b> , <b>Relative Color</b> , or <b>Absolute Color</b> . Default: <b>Photographic</b> (for image), <b>Vivid</b> (for text/graphic)
Image RGB Gray Treatment/Text RGB Gray Treatment/Graphics RGB Gray Treatment	Specifies the RGB Gray Treatment as <b>Composite Black</b> , <b>Black and Gray</b> , or <b>Black Only</b> . Default: <b>Composite Black</b> (for image), <b>Black and Gray</b> (for text/graphic)
Image Halftone/Text Halftone/Graphics Halftone	Specifies the halftone for image/text/graphic as <b>Line Art</b> , <b>Detail</b> , or <b>Smooth</b> . Default: <b>Detail</b> (for image/graphic), <b>Line Art</b> (for text)
Image Edge Enhancement/Text Edge Enhancement/Graphics Edge Enhancement	Select whether image/text/graphic edges are emphasized. Default: <b>Off</b> (for image), <b>On</b> (for text/graphic)

## Simulation

Parameters	Settings
Simulation Profile	Specifies the simulation profile as <b>None</b> , <b>SWOP</b> , <b>Euroscale</b> , <b>Commercial Press</b> , <b>Japan Color</b> , <b>DIC</b> , or <b>TOYO</b> . Default: <b>None</b>
Match Paper Color	Specifies the Match Paper Color. Default: <b>Off</b>
CMYK Gray Treatment	Specifies simulation gray treatment as <b>Composite Black</b> , <b>Black and Gray</b> , or <b>Black Only</b> . Default: <b>Composite Black</b>

## Banners

Parameters	Settings
Starting Banner	Specifies the starting banner as <b>none</b> , <b>classified</b> , <b>confidential</b> , <b>mls</b> , <b>secret</b> , <b>selinux</b> , <b>standard</b> , <b>te</b> , <b>topsecret</b> , or <b>unclassified</b> . Default: <b>none</b>
Ending Banner	Specifies the ending banner as <b>none</b> , <b>classified</b> , <b>confidential</b> , <b>mls</b> , <b>secret</b> , <b>selinux</b> , <b>standard</b> , <b>te</b> , <b>topsecret</b> , or <b>unclassified</b> . Default: <b>none</b>



---

## Printing a Document

The contents and available options that appear in the print dialog box may vary depending on the application being used.

### Example Using OpenOffice

**Note:**

- ❑ *The procedure for printing on Red Hat Enterprise Linux 5 with OpenOffice 2.0.4 is described below. The following procedure or some steps may be different depending on the version of the operating system being used.*
  - ❑ *First, add the printer to the system.  
For details on adding a printer to the system, refer to “Adding the Printer Using Printer configuration” on page 27 or “Adding the Printer on the CUPS Administration Web page” on page 28.*
1. From the **Application** menu, select **Office**, then **Word Processor**.
  2. Open the document to be printed.
  3. Click **Print** in the **File** menu.
  4. Select the name of the printer.
  5. Click **Print** to print the document.

---

## Checking Print Jobs

1. Start up the Web browser.
2. Enter the URL “http://localhost:631”.
3. Click **Manage Jobs**.

**Note:**

To check the status of completed print jobs, click **Show Completed Jobs**.

## Troubleshooting

Symptom	Action
The printer stops because of a paper size error or a paper type error.	The job may have been sent with a prohibited combination of settings (for example, for the paper size and media type). Printing is not possible with postcards or overhead projector transparencies if <b>Plain Paper</b> is selected.
Printing does not continue with a custom paper size.	Printing with custom paper sizes is not possible directly from the printer driver. This can only be performed from the command line. Specify the following command to print data.  <pre>lpr -P [printer_name] -o media=Custom. [WIDTHxLENGTH] [file_name]</pre> <ol style="list-style-type: none"> <li>1. Format of Custom. [WIDTHxLENGTH]: Custom.150x200mm, Custom.8x11in, Custom.15x20cm, or Custom. 612x782 (postscript points)</li> <li>2. The specified file must be a PS, PDF or JPEG file.</li> </ol>
Printing cannot be completed correctly from OpenOffice or any other Office application (such as, Kword).	Applications running under Linux have their own print settings. Some of these functions may not be supported by this printer. Observe the following for best printing results. <ul style="list-style-type: none"> <li><input type="checkbox"/> Settings made within the application: Paper size and orientation</li> <li><input type="checkbox"/> Settings made with the printer driver (kprinter): Settings other than those specified above (for example, paper type, tray, and resolution)</li> </ul>
When printing from Acrobat Reader, part of the image is printed in solid black or the job is interrupted.	There is a compatibility problem between Ghostscript and Acrobat Reader. Try using a different PDF application.
Watermarks cannot be printed from Kword.	This is a bug with Kword. Use Overlay instead.

## Chapter 2

### Operation on NetWare

#### Printing With NetWare

##### Network Printing in a NetWare Environment

NetWare Version	Protocol Used	Emulation	Service Mode
NetWare 4.x	IPX	Bindery/NDS	Pserver/Nprinter
NetWare 5.x/6	IPX	NDS	Pserver
	TCP/IP	NDPS(lpr)	

##### For Remote Printer Mode With NetWare 4.x Bindery Emulation

**Note:**

Before using bindery emulation, check that bindery emulation is compatible with the NetWare server.

1. From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
2. Start up Pconsole.
3. From the **Available Options** list, select **Quick Setup**, and then click the [Enter] button.
4. Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/ Unknown** from the **Printer type** field, and then save the specified settings.
5. Click the [Esc] button to quit Pconsole.
6. Use the NetWare server console to load PSERVER.NLM.

**Note:**

For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

7. In Administrator mode of Web-Based EpsonNet Config, select **NetWare** from the **Network** tab, and then specify the following settings.
  - NetWare Print: Select **Enable**.
  - Frame Type:  
Select **Auto**. (Select the frame type according to the network environment.)
  - Mode: Select **NPrinter/RPrinter**.
  - Printer Name:  
Specify the printer name. (Default: AL-C3900-xxxxxx)
  - Printer Number:  
Specify the printer number (0-255). When 255 is specified, the setting is **Auto**.
8. Restart the printer.
9. Use the NetWare server console to display the print server screen, and then check that the created printer is shown as **Waiting for Job** for the connected printer (0).

### **For Print Server Mode With NetWare 4.x Bindery Emulation**

**Note:**

*Before using bindery emulation, check that bindery emulation is compatible with the NetWare server.*

1. From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
2. Start up Pconsole.
3. From the **Available Options** list, select **Quick Setup**, and then click the [Enter] button.
4. Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/ Unknown** from the **Printer type** field, and then save the specified settings.
5. Click the [Esc] button to quit Pconsole.
6. In Administrator mode of Web-Based EpsonNet Config, select **NetWare** from the **Network** tab, and then specify the following settings.

- NetWare Print: Select **Enable**.
  - Frame Type:  
Select **Auto**. (Select the frame type according to the network environment.)
  - Mode: Select **PServer**.
  - Print Server Name:  
Specify the print server name created in step 4.
  - Print Server Password:  
Specify only when setting from the NetWare server.
  - Print Queue Scan Rate: Specify 1. (Change as necessary.)
  - Bindery/NDS: Select **Bindery/NDS**.
  - Preferred File Server:  
Specify the name of the file server that connects to the Pserver.
7. Restart the printer.
  8. Use the NetWare server console to load MONITOR.NLM.
  9. Select the connection information and, in the active connection column, check that the created Pserver is connected.

### ***For NetWare 4.x Remote Printer Mode (NDS)***

1. Log on to NetWare as an administrator from a client computer.
2. Start up NWadmin.
3. Select either the organization or organizational unit container that offers the print service, and then click **Print Services Quick Setup** on the **Tools** menu.
4. Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/ Unknown** from the **Printer type** field, and then save the specified settings.

**Note:**

*For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.*

5. In Administrator mode of Web-Based EpsonNet Config, select **NetWare** from the **Network** tab, and then specify the following settings.
  - NetWare Print: Select **Enable**.
  - Frame Type:  
Select **Auto**. (Select the frame type according to the network environment.)
  - Mode: Select **NPrinter/RPrinter**.
  - Printer Name:  
Specify the printer name. (Default: AL-C3900-xxxxxx)
  - Printer Number:  
Specify the printer number (0-255). When 255 is specified, the setting is **Auto**.
6. Restart the printer.
7. Use the NetWare server console to load PSERVER.NLM.
8. Use the NetWare server console to display the print server screen, and then check that created printer is shown as **Waiting for Job** for the connected printer (0).

### **For NetWare 4.x/5.x/6 Print Server Mode (NDS)**

**Note:**

*To use the Print Server mode, the IPX protocol must be loaded on the NetWare server.*

1. Log on to NetWare as an administrator from a client computer.
2. Start up NWadmin.
3. Select either the organization or organizational unit container that offers the print service, and then click **Print Services Quick Setup (non-NDPS)** on the **Tools** menu.
4. Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/ Unknown** from the **Printer Type** field, and then click the [Create] button.

**Note:**

*For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.*

5. In Administrator mode of Web-Based EpsonNet Config, select **NetWare** from the **Network** tab, and then specify the following settings.
  - NetWare Print: Select **Enable**.
  - Frame Type:  
Select **Auto**. (Select the frame type according to the network environment.)
  - Mode: Select **PServer**.
  - Print Server Name: Specify the print server name created in step 4.
  - Print Server Password: Specify only when setting from the Net-Ware server.
  - Print Queue Scan Rate: Specify 1. (Change as necessary.)
  - Bindery/NDS: Select **NDS**.
  - Preferred NDS Context Name:  
Specify the name of the context that connects to Pserver.
  - Preferred NDS Tree Name:  
Specify the name of the tree that Pserver logs on to.
6. Restart the printer.
7. Use the NetWare server console to load MONITOR.NLM.
8. Select the connection information and, in the active connection column, check that the created Pserver is connected.

### **For NetWare 5.x/6 Novell Distributed Print Service (NDPS)**

**Note:**

- Before specifying settings for NDPS, check that the NDPS broker and NDPS manager have been created and loaded.*
  - Also, before performing the following procedure, check that the TCP/IP protocol has been set in the NetWare server, and check that the IP address has been set for this machine and that this machine is on.*
1. Log on to NetWare as an administrator from a client computer.
  2. Start up NWadmin.

3. Right-click the organization or organizational unit container where you will create the printer agent, and then click **NDPS Printer** on the **Create** submenu.
4. In the **NDPS Printer Name** box, enter the printer name.
5. In the **Printer Agent Source** column, select **Create a New Printer Agent**, and then click the **Create** button.
6. Check the printer agent name, and then in the **NDPS Manager Name** box, browse through the NDPS manager names, and register one.
7. In the **Gateway Types**, select **Novell Printer Gateway**, and then register it.
8. In the Configure Novell PDS for Printer Agent window, select **(None)** for the printer type and **Novell Port Handler** for the port handler type, and then register the settings.
9. In **Connection type**, select **Remote (LPR on IP)**, and then register it.
10. Enter the IP address set for this machine as the host address, enter **Print** as the printer name, and then click the [Finish] button to register the settings.
11. The printer driver registration screen appears. Select **None** for each operating system to complete the registration.

**Note:**

*For settings for the queue user rights, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and set them as necessary.*

## **Setting Up a Client (Windows) Settings When Using the NetWare Server**

1. Open the printer's **Properties** window.
2. In the port settings, browse the network, and specify the name of the created queue (or NDPS printer name).
3. In the **Printer Model** list, specify the folder on the Software Disc that contains the printer driver for the operating system and printer driver to be used.
4. Follow the on-screen instructions to complete the installation.



## Chapter 3

# Understanding the Ethernet Configuration Menus

## Ethernet Menu

### Accessing the Ethernet Menu

This menu provides access to all of the configurable network items.

1. Press the **Menu/Select** key.
2. Select INTERFACE MENU, and then press the **Menu/Select** key.
3. Select ETHERNET, and then press the **Menu/Select** key.

**Note:**

*Restart the printer if any of the following Ethernet settings are changed.*

- IPP - ENABLE

### Using the Network Menu Options

If the printer is connected to a network, the following settings should be specified. For details about each setting, contact your network administrator.

**Note:**

*When manually setting the IP address, Subnet Mask, and Gateway turn off DHCP first.*

### TCP/IP

#### ENABLE

<b>Purpose</b>	Enables or disables TCP/IP.
<b>Options</b>	YES NO

<b>Default</b>	YES
----------------	-----

*IP ADDRESS*

<b>Purpose</b>	Sets the IP address of this printer on the network.
<b>Range</b>	0–255 for each xxx triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
<b>Default</b>	000.000.000.000

*SUBNET MASK*

<b>Purpose</b>	Sets the subnet mask value of the network. The subnet mask allows you to limit access to your printer (for example, according to departmental divisions).
<b>Range</b>	0–255 for each xxx triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
<b>Default</b>	255.255.000.000

*DEFAULT GATEWAY*

<b>Purpose</b>	Sets the address of the router/gateway if a router/gateway is used on your network and you allow users outside your network environment to print on your printer.
<b>Range</b>	0–255 for each xxx triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
<b>Default</b>	000.000.000.000

*DHCP*

<b>Purpose</b>	If there is a DHCP server on the network, specifies whether the IP address and other network information is automatically assigned by the DHCP server.
<b>Options</b>	ON OFF
<b>Default</b>	ON

*BOOTP*

<b>Purpose</b>	If there is a BOOTP server on the network, specifies whether the IP address and other network information is automatically assigned by the BOOTP server.
<b>Options</b>	ON OFF
<b>Default</b>	OFF

*ARP/PING*

<b>Purpose</b>	Select whether or not the IP address is automatically acquired.
<b>Options</b>	ON OFF
<b>Default</b>	OFF

*HTTP – ENABLE*

<b>Purpose</b>	Select whether or not to enable HTTP.
<b>Options</b>	YES NO
<b>Default</b>	YES

*FTP – ENABLE*

<b>Purpose</b>	Select whether or not to enable FTP.
<b>Options</b>	YES NO
<b>Default</b>	NO

*TELNET*

<b>Purpose</b>	Select whether to enable or disable Telnet transmissions.
<b>Options</b>	ENABLE DISABLE
<b>Default</b>	DISABLE

*BONJOUR – ENABLE*

<b>Purpose</b>	Select whether or not to enable Bonjour.
<b>Options</b>	YES NO
<b>Default</b>	YES

*DYNAMIC DNS – ENABLE*

<b>Purpose</b>	Select whether or not to enable Dynamic DNS.
<b>Options</b>	YES NO
<b>Default</b>	NO

*IPP – ENABLE*

<b>Purpose</b>	Select whether or not to enable IPP.
<b>Options</b>	YES NO
<b>Default</b>	YES

*RAW PORT – ENABLE*

<b>Purpose</b>	Select whether or not to enable Raw port.
<b>Options</b>	YES NO
<b>Default</b>	YES

*RAW PORT – BIDIRECTIONAL*

<b>Purpose</b>	Select whether or not to enable Bidirectional. If ON is selected, Raw port is enabled for bi-directional communication.
<b>Options</b>	ON OFF

<b>Default</b>	OFF
----------------	-----

*SLP – ENABLE*

<b>Purpose</b>	Select whether or not to enable SLP.
<b>Options</b>	YES NO
<b>Default</b>	YES

*SMTP – ENABLE*

<b>Purpose</b>	Select whether or not to enable SMTP.
<b>Options</b>	YES NO
<b>Default</b>	YES

*SNMP – ENABLE*

<b>Purpose</b>	Select whether or not to enable SNMP.
<b>Options</b>	YES NO
<b>Default</b>	YES

*WSD PRINT – ENABLE*

<b>Purpose</b>	Select whether or not to enable WSD print.
<b>Options</b>	YES NO
<b>Default</b>	YES

*IPSEC – ENABLE*

<b>Purpose</b>	Select whether or not to enable IPsec.
----------------	--

<b>Options</b>	YES NO
<b>Default</b>	NO

*IP ADDRESS FILTER – ACCESS PERMISSION*

<b>Purpose</b>	Select whether or not to enable Access Permission transmissions.
<b>Options</b>	ENABLE DISABLE
<b>Default</b>	DISABLE

*IP ADDRESS FILTER – ACCESS REFUSE*

<b>Purpose</b>	Select whether or not to enable Access Refuse transmissions.
<b>Options</b>	ENABLE DISABLE
<b>Default</b>	DISABLE

*IPv6 – ENABLE*

<b>Purpose</b>	Select whether or not to enable IPv6.
<b>Options</b>	YES NO
<b>Default</b>	YES

*IPv6 – AUTO SETTING*

<b>Purpose</b>	Select whether or not to enable Auto Setting.
<b>Options</b>	YES NO
<b>Default</b>	YES

*IPv6 – LINK LOCAL*

<b>Purpose</b>	Displays the link-local address of IPv6.
----------------	--

*IPv6 – GLOBAL ADDRESS*

<b>Purpose</b>	Displays the global address of IPv6.
----------------	--------------------------------------

*IPv6 – GATEWAY ADDRESS*

<b>Purpose</b>	Displays the gateway address of IPv6.
----------------	---------------------------------------

**NETWARE***ENABLE*

<b>Purpose</b>	Select whether or not to enable NetWare.
<b>Options</b>	YES NO
<b>Default</b>	NO

**APPLETALK***ENABLE*

<b>Purpose</b>	Select whether or not to enable AppleTalk.
<b>Options</b>	YES NO
<b>Default</b>	YES

**SPEED/DUPLEX**

<b>Purpose</b>	Specifies the transmission speed for the network and the transmission method for bi-directional transmission.
----------------	---

<b>Options</b>	AUTO 10BASE FULL 10BASE HALF 100BASE FULL 100BASE HALF 1000BASE FULL
<b>Default</b>	AUTO

***IEEE802.1x******ENABLE***

<b>Purpose</b>	Select whether or not to enable IEEE802.1x.
<b>Options</b>	YES NO
<b>Default</b>	NO



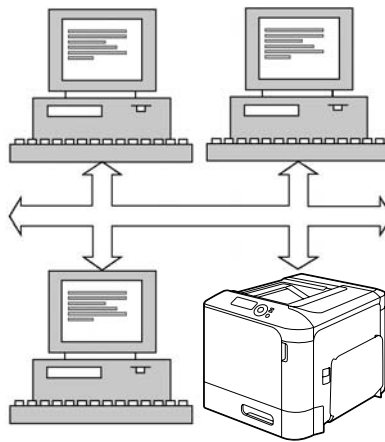
## Chapter 4

# Network Printing

## Network Connection

### Theory

To connect your printer in a TCP/IP network environment, you must make sure that the internal network addresses in the printer have been set.



**Note:**

*In many cases, you have to enter only a unique IP address. However, you may also have to enter a subnet mask and/or a gateway (router) address, depending on your network configuration requirements.*

## Making the Connection

### Ethernet Interface

An RJ45 connector can be used as the Ethernet interface for this printer.

When connecting your printer to an Ethernet network, the tasks you perform depend on how you plan to set the printer's IP (Internet Protocol) address. Printers are shipped with a preset IP address, subnet mask, and gateway.

- ❑ **IP Address**—A unique identifier for each device on a TCP/IP network.
- ❑ **Subnet Mask**—A filter used to determine what subnet an IP address belongs to.
- ❑ **Gateway**—A node on a network that serves as an entrance to another network.

Since the IP address for each PC and printer on your network must be unique, you usually need to modify this preset address so it doesn't conflict with any other IP address or your network or any attached network. You can do this in one of two ways. Each is explained in detail in the following sections.

- ❑ Using DHCP
- ❑ Setting the address manually

### **Using DHCP**

If your network supports DHCP (Dynamic Host Configuration Protocol), the printer's IP address will be automatically assigned by the DHCP server when you turn on the printer. (Refer to "Network Printing" on page 52 for a description of DHCP.)

**Note:**

*If your printer is not automatically assigned an IP address, verify that DHCP is enabled on the printer (PRINT MENU - CONFIGURATION PG). If it is not enabled, you can enable it in the INTERFACE MENU - ETHERNET - TCP/IP - DHCP menu.*

1. Connect your printer to the network.

When using an Ethernet cable, plug the RJ45 connector into the Ethernet interface port of the printer.

2. Turn on your PC and printer.
3. When the printer's message window displays **READY**, press the **Menu/Select** key.
4. Select **PRINT MENU**.
5. Press the **Menu/Select** key twice to print the configuration page and verify the IP address settings.
6. Install the printer driver and utilities.

**Note:**

*If the printer cannot be connected to a DHCP server, an IP address within the range between 169.254.0.0 and 169.254.255.255 is automatically set.*

## Setting the Address Manually

You may also manually change the printer's IP address, subnet mask, and gateway by using the following instructions. (See Chapter 3 "Understanding the Ethernet Configuration Menus" on page 41 for more information.)

### Note:

*When manually setting the IP address, turn off DHCP, BOOTP and ARP/PING first. In addition, when the IP address is changed, add a new port or reinstall the printer driver.*



### Caution:

*You should always notify your network's administrator before changing the printer's IP address.*

1. Turn on your PC and printer.
2. When the printer's message window displays `READY`, press the **Menu/Select** key.
3. Select `INTERFACE MENU`, and then press the **Menu/Select** key.
4. Select `ETHERNET`, and then press the **Menu/Select** key.
5. Press the **Menu/Select** key twice and confirm that `TCP/IP` is set to `ENABLE`.
6. Select `IP ADDRESS`, and then press the **Menu/Select** key.
7. Press the `▷` and `◁` and `△` and `▽` keys to set the IP address, and then press the **Menu/Select** key to save the setting.
8. Select `SUBNET MASK`, and then press the **Menu/Select** key.
9. Press the `▷` and `◁` and `△` and `▽` keys to set the subnet mask, and then press the **Menu/Select** key to save the setting.
10. Select `DEFAULT GATEWAY`, and then press the **Menu/Select** key.
11. Press the `▷` and `◁` and `△` and `▽` keys to set the gateway, and then press the **Menu/Select** key to save the setting.
12. Press the Cancel key 4 times to save your configuration changes. The printer is ready for printing again.
13. When the printer's message window displays `READY`, press the **Menu/Select** key.

14. Select **PRINT MENU**.
15. Press the **Menu/Select** key twice to print the configuration page and verify the IP address settings.
16. Install the printer driver and utilities.

---

## Network Printing

### Printing via IPP (Internet Printing Protocol)

IPP (Internet Printing Protocol) is a protocol for end users' most common printing situations over the Internet. It allows users to find out about a printer's capabilities, submit print jobs to a printer, determine the status of the printer or print job, and cancel a previously submitted print job.

**Note:**

- You must have administrator privileges in order to install the printer driver.
- If the User Account Control window appears when installing on Windows 7/Vista/Server 2008, click the **Allow** button or the **Continue** button.
- For IPP printing, specify the network setting. Refer to "Making the Connection" on page 49.

### With Windows Server 2008

When using Windows Server 2008, settings must be specified in the operating system before the printer driver is installed.

1. Click the **Start** button.
2. Point to **Administrative Tools**, and then click **Server Manager**.

**Note:**

If the User Account Control dialog box appears, click **Continue** button.

3. In the Server Manager main window, click **Add Features** in the Features Summary section.
4. Select the **Internet Printing Client** check box to install the feature.
5. Restart the computer.

### **Adding an IPP Port using the Software Disc**

1. Insert the Software Disc in the CD/DVD drive of your computer.  
The installer starts up.

**Note:**

- If Windows 7, Vista, or Windows Server 2008 is being used, click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the Software Disc is inserted.*
  - If the installer does not start up automatically, double-click the **AutoRun.exe** icon on the Software Disc.*
2. Click **Printer Install**.
  3. Click **AGREE**.
  4. Click **Next**.
  5. Select **Install printers/MFPs**, and then click **Next**.
  6. The connected printers are detected. Select this printer.
    - [Search Setting]: To search for printers on other networks, click this button.
    - [Update List]: To update the printer information, click this button.
  7. Select **Internet Printing** as the printing method from the pull-down list, and then click **Next**.
  8. In the Confirm Installation Settings dialog box, click **Install**.
    - [Installation Settings]: To change the settings, click this button.
  9. Click **Finish**.  
This completes the installation of the printer driver.

### **Adding an IPP Port using Add Printer Wizard - Windows Server 2003/XP/2000**

- For Windows Server 2003/XP: Click **Start**, select **Printers and Faxes**, and then click **Add a Printer**.
  - For Windows 2000: Click **Start**, point to **Settings**, click **Printers**, and then click **Add Printer**.
1. In the second dialog box, select the **Network Printer** radio button, and then choose **Next**.

2. In the URL field in the next dialog box, enter the printer's network pathname in one of the following formats, and then choose **Next**:

- `http://ipaddress/ipp`
- `http://ipaddress:80/ipp`
- `http://ipaddress:631/ipp`

If your system cannot connect to the printer, the following message appears:

- Windows Server 2003/XP**—“Windows cannot connect to the printer. Either the printer name was typed incorrectly, or the specified printer has lost its connection to the server. For more information, click Help.”
  - Windows 2000**—“Could not connect to the printer. You either entered a printer name that was incorrect or the specified printer is no longer connected to the server. Click Help for more information.”
3. **Windows Server 2003/XP**—Go to step 4.

**Windows 2000**—If you entered a valid path in the previous step, the following message displays: “The server on which the Epson\_IPP\_Printer resides does not have the correct printer driver installed. If you want to install the driver on your local computer, click OK.” The reason for this is that you do not yet have a printer driver installed. Choose **OK**.

4. Choose **Have Disk**.
5. Choose **Browse**.
6. Locate the directory on the Software Disc where the printer driver files are located (for example: `Drivers\Windows\color\Drivers\Win_x86\PS\english`), and then click **Open**.
7. Click **OK**.
8. Click **OK**.
9. Select whether the printer is to be used as the default printer, and then click **Next**.
10. Click **Finish**.

### **Adding an IPP Port using Add Printer Wizard – Windows 7/Vista/Server 2008**

1. Click **Start**, click **Control Panel**, and then click **Printers**. (Windows Vista/Server 2008).  
Click **Start**, and then click **Devices and Printers**. (Windows 7/Server 2008 R2)
2. Click **Add a printer**.
3. In the dialog box click **Add a network, wireless or Bluetooth printer**.
4. In the dialog box, click **The printer that I want isn't listed**.
5. In the URL field in the next dialog box enter the printer's network pathname in one of the following formats and then choose **Next**:
  - http://ipaddress/ipp
  - http://ipaddress:80/ipp
  - http://ipaddress:631/ipp

**Note:**

*If your system cannot connect to the machine, the following message appears: "Windows cannot connect to the printer. Make sure that you have typed the name correctly, and that the printer is connected to network."*

6. Click **Have Disk**.
7. Click **Browse**.
8. Locate the directory on the Software Disc where the printer driver files are located (for example: Drivers\Windows\color\Drivers\Win\_x86\PS\ english), and then click **Open**.
9. Click **OK**.
10. Click **OK**.
11. Click **Next**.
12. Click **Finish**.

## Printing via Web Service Print Function

In Windows 7/Vista/Server 2008, printers on the network that support Web Service print can be detected and installed.

**Note:**

- You must have administrator privileges in order to install the printer driver.
- Before proceeding with the installation, be sure to exit all running applications.
- If the User Account Control window appears, click the **Allow** button or the **Continue** button.
- For Web Service print, specify the network setting. Refer to “Making the Connection” on page 49.

### With Windows Server 2008

When using Windows Server 2008, settings must be specified in the operating system before the printer driver is installed.

1. Click the **Start** button.
2. Point to **Administrative Tools**, and then click **Server Manager**.

**Note:**

*If the User Account Control dialog box appears, click **Continue** button.*

3. In the Server Manager main window, click **Add Roles** in the Roles Summary section.
4. Select the **Print Services** check box or **Print and Document Services** check box (Windows Server 2008 R2) to install the feature.

### Adding a printer from the Network window

1. To use Web Service print, check that **Network discovery** is enabled in **Network and Sharing Center** on the computer.
2. Insert the Software Disc in the CD/DVD drive of your computer.

**Note:**

- Click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the Software Disc is inserted.



- If the installer does not start up automatically, double-click the **AutoRun.exe** icon on the Software Disc.*

The installer starts up.

3. Exit the installer.
4. Click **Start**, and then click **Network**.  
The Network window appears, showing the computers and devices on the network.
5. Select the device name of this printer, and then click **Install** on the toolbar.
6. Click **Locate and install driver software (recommended)**.
7. If Windows 7/Vista is being used, go to step 8.  
If Windows Server 2008 is being used, click **Don't search online**.
8. Click **Browse my computer for driver software (advanced)**.
9. Click **Browse**.
10. Locate the directory on the Software Disc where the printer driver files are located (for example: Drivers\Windows\color\Drivers\Win\_x86\PS\english), and then click **OK**.
11. Click **Next**.
12. Click **Close**.

### ***Adding a printer using Add Printer Wizard***

1. To use Web Service print, check that **Network discovery** is enabled in **Network and Sharing Center** on the computer.
2. Insert the Software Disc in the CD/DVD drive of your computer. The installer starts up.

#### **Note:**

- Click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the Software Disc is inserted.*
- If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the Software Disc.*

3. Exit the installer.
4. Click **Start**, click **Control Panel**, and then click **Printers**. (Windows Vista/Server 2008).  
Click **Start**, and then click **Devices and Printers**. (Windows 7/Server 2008 R2)
5. Click **Add a printer** on the toolbar.
6. In the dialog box, click **Add a local printer**.
7. Click **Create a new port**, and then select **Standard TCP/IP port**.
8. Click **Next**.
9. Select **Web Services Device** and type the IP address for the printer, and then click **Next**.  
The Found New Hardware Wizard dialog box appears.
10. Click **Locate and install driver software (recommended)**.
11. If Windows 7/Vista is being used, go to step 8.  
If Windows Server 2008 is being used, click **Don't search online**.
12. Click **Browse my computer for driver software (advanced)**.
13. Click **Browse**.
14. Locate the directory on the Software Disc where the printer driver files (for example: Drivers \Windows\color\Drivers\Win\_x86\PS\english), and then click **OK**.
15. Click **Next**.
16. Click **Close**.
17. Click **Next**.
18. Select whether the printer driver is to be shared, and then click **Next**.
19. Click **Finish**.  
This completes the installation of the printer driver.

## ***Installing the Driver When the Operating Systems of the Server and Client Use a Different Number of Bits (With Windows Server 2008)***

When Windows Server 2008 is running on the print server or when the operating systems running on the print server and client computer use a different number of bits, the additional driver may not be installed correctly on the print server.

This can be corrected by specifying the setup information file (ntprint.inf) for the operating system with the different number of bits while installing the additional driver on the print server.

The following server and client operating systems can be used together.

<b>Server</b>	<b>Client Computer</b>
Windows Server 2008 (32 bits)	Windows 7/Vista (64 bits)
Windows Server 2008 (64 bits)/ Windows Server 2008 R2 (64 bits)	Windows 7/Vista (32 bits)
Windows 7/Vista (32 bits)	Windows Server 2008 (64 bits)/ Windows Server 2008 R2 (64 bits)
Windows 7/Vista (64 bits)	Windows Server 2008 (32 bits)

The procedure for specifying the setup information file for a computer other than the print server and installing the additional driver is described below.

**Note:**

*From the print server, map the system drive of the client computer as a network drive. The drive to be mapped must first be specified as a shared drive.*

### ***Installing the Additional Driver***

As an example, the following procedure describes the operations performed when Windows Server 2008 (32 bits) is running on the print server and Windows 7/Vista (64 bits) is running on the client computer.

1. Specify the client computer (64 bits) drive installed with the operating system (normally, drive C) as a shared drive.

**Note:**

*This setting is available for only PS driver.*

- From the print server (32 bits), map the client computer (64 bits) drive (for example, “C”), specified as a shared drive in step 1, as a network drive (for example, “z”).

**Note:**

*This setting is available for only PS driver.*

- Install on the print server (32 bits) the driver for a 32-bit operating system.
- Right-click the printer that was installed, and then click the appropriate menu command to display printer properties.
- Select the **Sharing** tab, and then select the **Share this printer** check box.
- Click **Additional Drivers**.  
The Additional Drivers dialog box appears.
- Under **Processor**, select the **x64** check box, and then click **OK**.
- Specify the folder containing the driver for a 64-bit operating system.  
A dialog box appears, requesting the location of the setup information file.
- Click **Browse**, and then select the setup information file (ntprint.inf) on the client computer mapped as a network drive.

**Note:**

*This setting is available for only PS driver.*

- Specify the file at the following path.  
z:\Windows\System32\DriverStore\FileRepository\ntprint.inf\_xxx
  - In the path mentioned above, “z” indicates the mapped network drive. In addition, the characters indicated by “\_xxx” at the end may differ depending on the driver version.
  - Depending on the client computer being used, the setup information file may be stored in a different location. If there is a folder named “amd64” at the same level as “ntprint.inf”, specify the setup information file for a 64-bit operating system located within that folder. In addition, if the driver for a 32-bit operating system is to be installed, specify the setup information file in the folder named “i386” at the same level as “ntprint.inf”.
- Click **Open**.  
The installation begins.

11. After the installation is completed, click **Close**.

This completes the installation of the driver for a 64-bit operating system onto the print server (32 bits).

---

## **Troubleshooting**

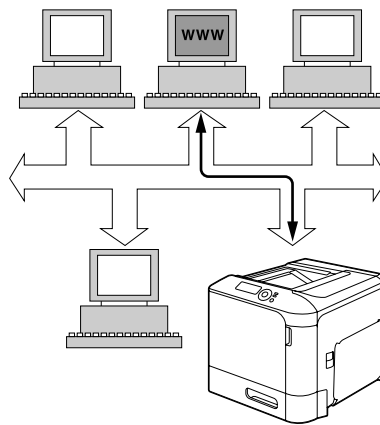
<b>Symptom</b>	<b>Action</b>
Some client functions are not available with the Point and Print feature when the server is running Windows XP/Vista/7/Server 2008/Server 2003/2000 and the client computer is running Windows XP/Vista/7/Server 2008/Server 2003/2000.	Install the printer driver directly on the client computer.

## Chapter 5

# Using Web-Based EpsonNet Config

## About Web-Based EpsonNet Config

This chapter provides information on Web-Based EpsonNet Config, an HTTP (HyperText Transfer Protocol)-based web page that resides in your printer and that you can access using your Web browser.



This page gives you instant access to printer status and the most frequently used printer configuration options. Anyone on your network can access the printer using their web browser software. In addition, with the proper password, you can change the configuration of the printer without leaving your PC.

**Note:**

*Users who are not given passwords by the administrator can still view the configuration settings and options but are not able to save or apply changes.*

## Display Language

The language used in the Web-Based EpsonNet Config screens is specified from the printer's control panel. For details on specifying the display language, refer to the User's Guide (Software Disc) provided with the printer.

In addition, the language can be selected from the **Language** drop-down list in Web-Based EpsonNet Config. For details, refer to "Language Setting" on page 69.

## Requirements

To use Web-Based EpsonNet Config, the following is required:

- Windows Server 2008/Server 2003/7/Vista/XP/2000  
Mac OS X 10.3.9 or later  
Red Hat Enterprise Linux 5, SUSE Linux Enterprise 5
- Microsoft Internet Explorer version 6.0 or later  
Mozilla Firefox version 2.0 or later

**Note:**

*You do not need an Internet connection.*

- TCP/IP communication software (used by Web-Based EpsonNet Config) installed on your PC
- A network, to which both your PC and the printer are connected

**Note:**

*You cannot access Web-Based EpsonNet Config using a local (USB ) connection.*

---

## Setting Up the Printer Web Page

Setting up the printer web page to run on your network involves two basic steps:

- Determining the name or address of your printer
- Setting up the “no proxy” preferences in your browser software

## Determining the Printer Name

The printer web page can be accessed in two ways:

**Note:**

*The printer names can also be determined via WINS if the network supports it.*

- Through the assigned name of the printer—This name comes from the IP host table (the filename is **hosts**) on the computer system and is usually assigned by the system administrator (for example, Epson AcuLaser C3900). It may be more convenient for you to use the printer name than the IP address.

### Location of the Host Table on the PC

- Windows Server 2008/Server 2003/XP/Vista/7  
  \windows\system32\drivers\etc\hosts
- Windows 2000\  
  winnt\system32\drivers\etc\hosts
- Through the printer's IP address—The IP address of your printer is a unique number and, therefore, may be the preferred identification to enter, especially if you have more printers active in your network. The printer's IP address is listed on the configuration page.

### Location of the Configuration Page in the Printer's Configuration Menu

- PRINT MENU - CONFIGURATION PG menu

## Setting Up Your Browser Software

Since your printer resides on your intranet and is not accessible beyond the firewall of your network, you must set up the proper “preferences” in your browser software. Your printer name or IP address must be added to the “no proxy” list in the preferences dialog box of the browser.

**Note:**

*You need to do this procedure only once.*

The sample screens below may be different from yours depending on software versions and operating systems in use.

**Note:**

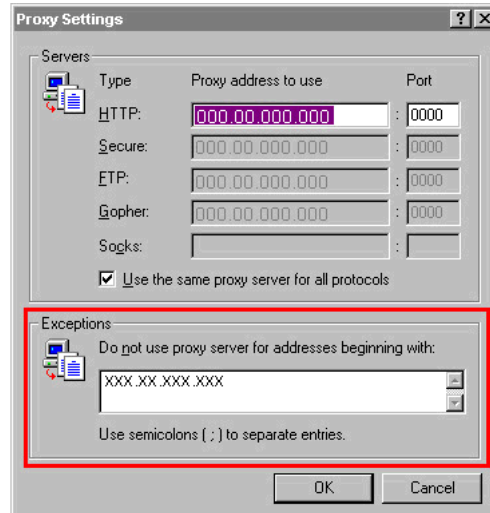
*Our examples represent the IP address of the printer with: xxx.xxx.xxx.xxx. Always enter your printer's IP address without leading zeros. For example, 192.168.001.002 should be entered as 192.168.1.2.*

### Internet Explorer (version 6.0 for Windows)

1. Start Internet Explorer.
2. From the **Tools** menu choose **Internet Options**.
3. Select the **Connections** tab on the dialog box.
4. Choose the **LAN Settings** button to display the Local Area Network (LAN) Settings dialog box.



5. Select **Advanced** in Proxy server to open the Proxy Settings dialog box.
6. In the **Exceptions** text box, type a comma after the last entry and then type the printer name or the IP address of your printer.



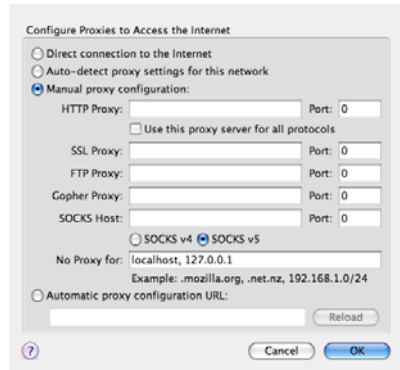
7. Choose **OK** three times to return to the main browser window.
8. Enter the printer's IP address in the URL Address box to access the printer home page.



### **Mozilla Firefox (version 2.0)**

1. Start Mozilla Firefox.
2. From the **Firefox** menu choose **Preferences**.
3. Click **Advanced** at the top of the dialog box.
4. Click the **Network** tab.
5. In the **Connection** section, click **Settings**.  
The Connection Settings dialog box appears.

6. Select the **Manual proxy configuration** radio button.

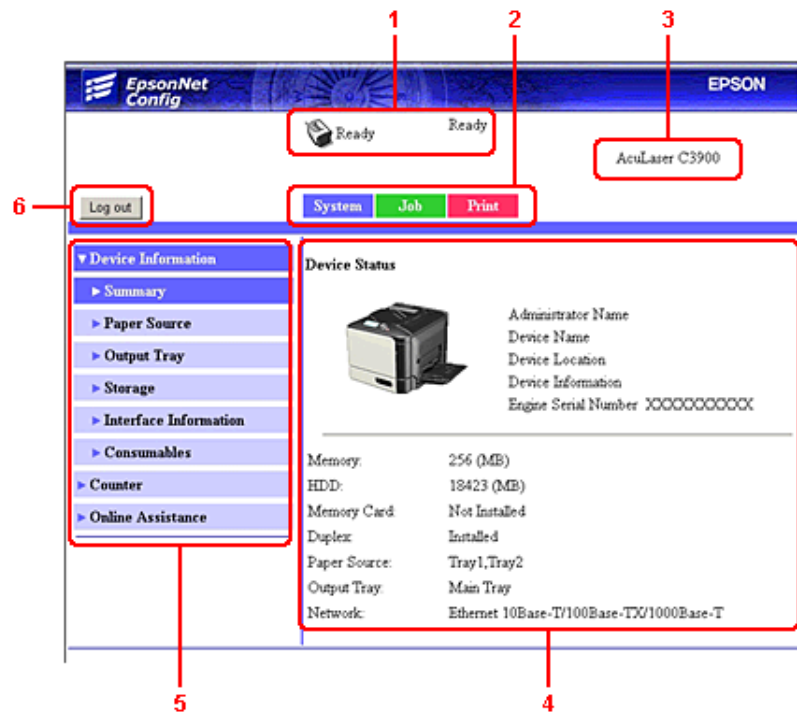


7. In the **No Proxy for:** text box, type a comma after the last entry, and then type the printer name or the IP address of your printer.
8. Click **OK** in the two dialog boxes to return to the main browser window.
9. Enter the printer name or IP address in the URL Location box to access the printer home page.



## Understanding the Web-Based EpsonNet Config Window

The illustration below identifies the navigation and configuration areas of the windows that you see in Web-Based EpsonNet Config windows.



1. Current status
2. Links to main topics
3. Printer name
4. Configuration area
5. Links to subtopics
6. Click to log out of current mode

## Navigation

Selecting the main topic and subtopic displays the configuration area for the printer options (parameters) associated with your selections.






To change a current setting, click on the current setting and then select from the available choices or enter the new value.

**Note:**

*In order to apply or save any changes made to the configuration settings, Web-Based EpsonNet Config must be logged in from Administrator Mode. (For details, refer to “Administrator Mode” on page 70.)*

## Current Status

The current status of the printer is displayed at the top of all Web-Based EpsonNet Config windows. The icon displays the type of status being displayed.

Icon	Status	Description	Examples
	Ready	The printer is online and either ready to print or printing.	READY WARMING UP PRINTING
	Warning	The printer needs attention, but printing continues.	PAPER EMPTY TRAY 1 TONER LOW C
	Error	The printer needs attention before printing can resume.	REPLACE TONER PAPER JAM TRAY2
	Caution	The printer needs attention, but printing continues.	Paper Mismatch TRAY1
	Fatal	The printer must be rebooted. If that doesn't fix the error, service is required.	SERVICE CALLC002 RAM ERROR

## Logging on to Web-Based EpsonNet Config

### Login Page

User authentication, account track and language settings can be specified by using Web-Based EpsonNet Config. In order to perform authentication, you must log on in Administrator Mode. For details on authentication, refer to “Authentication” on page 90 and “User Authentication” on page 148.

**Note:**

As many as 100 clients (users and an administrator) can log on to Web-Based EpsonNet Config at the same time. These can be logged on as Public User, Registered User or Administrator. However, no more than one client at a time can be logged on as Administrator.

## Language Setting

If necessary, the display language used for Web-Based EpsonNet Config can be changed.

## Public User Mode

In Public User Mode, you can view configuration settings but not change them.

1. Select **Public User**.
2. Click the **Log in** button.

## Registered User Mode

In Registered User Mode, you can view configuration settings but not change them.

## User Authentication Mode

**Note:**

To enter User Authentication Mode, log on in Administrator mode, set **User Authentication** (in the **Network - Authentication - User Authentication** page) to **On**, and then register a new user in the **System - Authentication - User Registration - New Registration** page. For details, refer to “User Registration” on page 91 and “User Authentication” on page 148.

1. Select **Registered User**.
2. Type in the user name and user password in the **User Name** and **User Password** text boxes.
3. If **Account Track** (in the **Network - Authentication - User Authentication** page) is set to **On**, continue with step 4. If it is set to **Off**, continue with step 5.

4. – (If **Synchronize User Authentication & Account Track** is set to **Do Not Synchronize** and **Account Track Method** is set to **Account Name & Password** in the **Network - Authentication - User Authentication** page) Type in the account name and account password in the **Account Name** and **Account Password** text boxes.
- (If **Synchronize User Authentication & Account Track** is set to **Do Not Synchronize** and **Account Track Method** is set to **Password Only** in the **Network - Authentication - User Authentication** page) Type in the account password in the **Account Password** text box.

**Note:**

When **Synchronize User Authentication & Account Track** (in the **Network - Authentication - User Authentication** page) is set to **Synchronize**, **Account Name** and **Account Password** will not be displayed in the login page even if **Account Track** is set to **On**.

5. Click the **Log in** button.

**Account Track Mode****Note:**

To enter Account Track Mode, log on in Administrator mode, set **Account Track** (in the **Network - Authentication - User Authentication** page) to **On**, and then register a new account in the **System - Authentication - Account Track Registration - New Registration** page. For details, refer to “Account Track Registration” on page 93 and “User Authentication” on page 148.

1. Select **Account**.
2. – (If **Account Track Method** is set to **Account Name & Password** in the **Network - Authentication - User Authentication** page) Type in the account name and account password in the **Account Name** and **Account Password** text boxes.
- (If **Account Track Method** is set to **Password Only** in the **Network - Authentication - User Authentication** page) Type in the account password in the **Account Password** text box.
3. Click the **Log in** button.

**Administrator Mode**

In order to change any configuration settings through Web-Based EpsonNet Config, you must first enter Administrator Mode.

1. Select **Administrator**.

2. Click the **Log in** button.
3. Type the password in the **Admin Password** text box.

**Note:**

*Default password is set to “administrator”; however, once you have logged on in Administrator Mode, the password can be specified in the **System - Admin Password** window.*

4. Click **OK** button.

---

## Viewing Printer Status

### System Page

On this page you find printer status and current configuration settings, printer identification, and links to all other web pages.

**Note:**

*All of the information displayed on the System page is read only.*

### Device Information

#### Summary

Item	Description
Memory	Displays the amount of memory installed in the printer.
HDD	If an optional hard disk drive is installed in the printer, displays the size of the hard disk.
Duplex	Indicates whether the duplex unit is installed on the printer.
Paper Source	Identifies the paper feed units installed on the printer. <b>Note:</b> <b>Tray3</b> appears only if the optional 500-sheet paper cassette unit is installed.
Output Tray	Identifies the output tray installed on the printer.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

*Paper Source*

<b>Item</b>	<b>Description</b>
Paper Source	Identifies the paper feed units Tray1/2/3 installed on the printer.
Paper Size	Indicates the size of paper loaded in a specific tray.
Paper Type	Indicates the type of paper loaded in a specific tray.
Paper	Indicates the paper status ("Ready" or "Empty") for each tray.
Detail button	Displays detailed information about the paper trays.

*Paper Source (Detail)*

<b>Item</b>	<b>Description</b>
Paper Source	Displays the names of the paper trays.
Paper Size	Displays the paper sizes.
Paper Type	Displays the paper types.
Capacity	Displays the maximum capacity for each paper tray.
Paper	Displays the amount of paper remaining.
Back button	Returns to the previous screen.

*Output Tray*

<b>Item</b>	<b>Description</b>
Tray	Displays the name of the output tray.
Paper	Displays the status (Ready, Full) of the output tray.

*Storage*

<b>Item</b>	<b>Description</b>
Total	Displays the total amount of space on the hard disk. If no optional storages are installed, "-" are displayed.
Used	Displays the amount of space on the hard disk that is used. If no optional storages are installed, "-" are displayed.



Item	Description
Remaining	Displays the amount of space remaining on the hard disk. If no optional storages are installed, “-” are displayed.

### Interface Information

Item		Description
Protocol Information	TCP/IP	If <b>Enable</b> is displayed, TCP/IP is enabled.
	IPv6	If <b>Enable</b> is displayed, IPv6 is enabled.
	Bonjour	If <b>Enable</b> is displayed, Bonjour is enabled.
	FTP	If <b>Enable</b> is displayed, FTP is enabled.
	Dynamic DNS	If <b>Enable</b> is displayed, Dynamic DNS is enabled.
	IPP	If <b>Enable</b> is displayed, IPP is enabled.
	LPD	If <b>Enable</b> is displayed, LPD is enabled.
	RAW Port	If <b>Enable</b> is displayed, RAW Port is enabled.
	SLP	If <b>Enable</b> is displayed, SLP is enabled.
	SMTP	If <b>Enable</b> is displayed, SMTP is enabled.
	SNMP	If <b>Enable</b> is displayed, SNMP is enabled.
	WSD Print	If <b>Enable</b> is displayed, WSD Print is enabled.
	LLTD	If <b>Enable</b> is displayed, LLTD is enabled.
	LLMNR	If <b>Enable</b> is displayed, LLMNR is enabled.
	AppleTalk	If <b>Enable</b> is displayed, AppleTalk is enabled.
	NetWare	If <b>Enable</b> is displayed, NetWare is enabled.
	IEEE802.1x	If <b>Enable</b> is displayed, IEEE802.1x is enabled.

Item		Description
Network Information	Type	Identifies the type of network interface installed on the printer (Ethernet 10Base-T/100Base-TX/1000Base-T).
	Ethernet Speed	Indicates the transmission speed for the network and the transmission method for bidirectional transmission.
	IP Address	Identifies the IP (Internet Protocol) address of the Ethernet interface.
	IPv6 Link Local Address	Identifies the IPv6 link local address of the Ethernet interface.
	IPv6 Global Address	Identifies the IPv6 global address of the Ethernet interface.
	MAC Address	Identifies the Media Access Control (MAC) address of the Ethernet interface.
	Host Name	Identifies the host name for the printer.
	Print Server Name (NetWare)	Identifies the Print Server Name for the NetWare.
	Printer Name (AppleTalk)	Identifies the printer name on AppleTalk.
	Current Zone Name (AppleTalk)	Identifies the Current Zone Name for the AppleTalk.
	Bonjour Name	Displays the Bonjour name for the printer.
	WSD Printer Name	Displays the WSD printer name for the printer.

### Consumables and Maintenance

Item	Description
Consumables and Maintenance	Identifies the consumables or maintenance parts that are being monitored.
Status	Indicates the remaining life of the consumables or maintenance parts.
TYPE	Identifies the type of Toner Cartridge.

### Counter

Item	Description
Pages Printed	Indicates the number of prints.
Sheets Printed by Paper Size	Indicates the number of prints grouped by Paper Size.
Sheets Printed by Paper Type	Indicates the number of prints grouped by Paper Type.

## Online Assistance

Item	Description
Contact Name	Displays the organization that provides assistance with the printer.
Contact Information	Displays the web address for assistance.
Product Help URL	Displays the web address for assistance.
Corporate URL	Displays the Seiko Epson web address.
Supplies and Accessories	Displays the web address where you can order printer supplies and accessories.
Contact Phone Number	Displays the telephone number of the printer administrator.
Contact Address	Displays the e-mail address for support.
Contact Utility Link	Displays a link to the Printer Management Utilities.

## User Authentication

**Note:**

*This page appears only when logged on to Registered User Mode.*

### User Password Change

Item	Description
User Name	Shows the name of user who is logged on.
Current Password	Type in the current password for the user who is logged on. Range: Up to 64 characters
New Password	Type in the new password. Range: Up to 64 characters
Retype New Password	Type in the new password again for confirmation. Range: Up to 64 characters
Apply button	Applies the new password.  <b>Note:</b> If the password typed in three text boxes doesn't match, the following message displays when you choose the <b>Apply</b> button: "Password was changed unsuccessfully. Please retry." Retype the passwords in both text boxes.
Clear button	Resets all configuration settings to previous values.

### Registration Information

Item	Description
Registration User Information	Shows the registration number (No.), user name and account name for the user who is logged on.  <b>Note:</b> Only the account name is displayed if <b>Synchronize User Authentication &amp; Account Track</b> is set to <b>Synchronize</b> in the <b>Network - Authentication - User Authentication</b> page.
Function Permission Information	Shows whether printing is permitted by the user who is logged on.
Output Permission Information	Shows whether color printing and whether black-and-white printing is permitted by the user who is logged on.

### Job Page

This page allows you to view the status of current print jobs.

#### Active Job List

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.  This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
Job Status	Displays the current status of the print job (Parsing, Printing, Cancel, Pending, Abort or Pending).
Create Time	Displays the time that the job was queued.
Delete button	Deletes the print job(s) whose check boxes in column 1 are checked.

#### Done Job List

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.

Item	Description
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file. This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job.
Detail button	Displays a screen containing details.

### ***Done Job List (Detail)***

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
Delivery Type	Displays the delivery method for the job (Print, Print and Hold, Proof then Print, IPP Print, Secured Job, Time Print, or Report Print).
Create Time	Displays the time that the job was queued.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job.
Back button	Returns to the previous screen.

### ***Print Page***

This page allows you to check the settings for printing when there is no PDL printer driver.

## Default Settings

### General Settings

Item	Description
PDL	Indicates default language to be selected.
Paper Source	The paper tray that is normally used is indicated.
Duplex	If <b>Long-Edge Binding</b> is indicated, the pages will be printed on both sides of the paper for long-edge binding. If <b>Short-Edge Binding</b> is indicated, the pages will be printed on both sides of the paper for short-edge binding.
Output Tray	Displays the name of the output tray.
Copies	Indicates the default setting for number of copies to be printed.
Paper Size	Indicates the default setting for the size of paper.
Width	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
Length	Indicates the paper length when <b>Paper Size</b> is set to <b>Custom Size</b> .
Paper Type	Indicates the default setting for the type of paper.
Collate	If <b>On</b> is indicated, all pages in a copy of the document can be printed before printing the next copy. If <b>Off</b> is indicated, all copies of the document are not printed separately. <b>Note:</b> This menu item appears only if an optional hard disk drive is installed.
Unit of Measure	The units for specifying the size of custom paper is indicated between inches and millimeters.

### Paper Source Settings

Item	Description	
Tray1	Paper Size	Indicates the setting for the size of paper loaded into Tray1.
	Width	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Length	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Paper Type	Indicates the setting for the type of paper loaded into Tray1.

Item		Description
Tray2	Paper Size	Indicates the setting for the size of paper loaded into Tray2.
	Width	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Length	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Paper Type	Indicates the setting for the type of paper loaded into Tray2.
Tray3 This item appears only if an optional 500-sheet paper cassette unit is installed.	Paper Size	Indicates the setting for the size of paper loaded into Tray3.
	Paper Type	Indicates the setting for the type of paper loaded into Tray3.
Tray Chaining		<p>If <b>Enable</b> is indicated and the specified paper tray runs out of paper during printing, a paper tray loaded with paper of the same size is automatically selected so printing can continue.</p> <p>If <b>Disable</b> is indicated and the specified paper tray runs out of paper, printing stops.</p>

### Tray Mapping Settings

Item	Description
Tray Mapping Mode	If <b>On</b> is indicated, Tray Mapping function is used.
Logical Tray 0-9	Indicates the tray that is used for printing when a print job is received from another manufacture's printer driver.

### PCL Settings

Item	Description
Font Number	Displays the default font in the PCL language.
Symbol Set	Displays the symbol set used with the PCL language.
Lines Per Page	Indicates how many lines are in a page in PCL language.
Font Point Size	Displays the font size in the PCL language.
Font Pitch Size	Displays the font pitch in the PCL language.
CR/LF Mapping	Indicates CR/LF code definition in PCL language.

*PS Settings*

<b>Item</b>	<b>Description</b>
Wait Timeout	Indicates Postscript timeout. "0" means that no time-out control is effective.
PS Protocol	Displays the settings for the PS protocol.
Print to PS Error	Displays whether or not error printing is performed.
Auto Trapping	If <b>On</b> is displayed, Auto Trapping is enabled.
Black Overprint	If <b>On</b> is displayed, Black Overprint is enabled.

*XPS Settings***Note:**

*This printer does not support XPS printer driver.*

<b>Item</b>	<b>Description</b>
Digital Signature	Shows whether XPS digital signatures are enabled or disabled.
Print to XPS Error	Shows whether or not error information is printed when an error has occurred during XPS printing.



## Print Quality Settings

Item		Description
Print Quality Settings	Color Mode	If <b>Color</b> is indicated, the pages are printed in full color. If <b>Monochrome</b> is indicated, the pages are printed in black and white.
	Color Separation	If <b>On</b> is indicated, color separation is performed.
	Brightness	Indicates the brightness of the printed image.
	Halftone (Image Printing/Text Printing/Graphics Printing)	Indicates how halftones are reproduced. If <b>Line Art</b> is indicated, halftones are reproduced with high precision. If <b>Detail</b> is indicated, halftones are reproduced with detail. If <b>Smooth</b> is indicated, halftones are reproduced with smoothness.
	Edge Enhancement (Image Printing/Text Printing/Graphics Printing)	Shows the settings for whether or not edges are emphasized in images, text and graphics.
	Edge Strength	Shows the setting for the amount that edges are emphasized.
	Economy Print Mode	Shows the setting for whether or not Economy Print Mode is enabled. When Economy Print Mode is enabled, the amount of toner used is reduced when printing many drawings.
PCL Settings	Contrast	Indicates the contrast of the image.
	Image Printing/Text Printing/Graphics Printing (Source)	Identifies the color space for RGB data.
	Image Printing/Text Printing/Graphics Printing (Intent)	Indicates the color intent to be used on conversion RGB to CMYK by printer.
	Image Printing/Text Printing/Graphics Printing (Gray Treatment)	Indicates the method to reproduce RGB black and gray.

Item		Description
PS Settings	Image Printing/Text Printing/ Graphics Printing (RGB Source)	Identifies the color space for RGB data.
	Image Printing/Text Printing/ Graphics Printing (RGB Intent)	Indicates the color intent to be used on conversion RGB to CMYK by printer.
	Image Printing/Text Printing/ Graphics Printing (RGB Gray Treatment)	Indicates the method to reproduce RGB black and gray.
	Image Printing/Text Printing/ Graphics Printing (Destination Profile)	Indicates the ICC destination profile to be used for printed output.
	Simulation (Profile)	Indicates the specific ICC simulation profile to be used for printed output.
	Simulation (Intent)	Indicates the simulation intent to be used for simulation printing.
	Simulation (CMYK Gray Treatment)	Indicates the method to reproduce CMYK black and gray for simulation printing.
Calibration Settings	Tone Calibration	If <b>On</b> is indicated, image adjustments are applied.
	Cyan/Magenta/Yellow/Black Density (Highlight)	Indicates the density of the highlight color.
	Cyan/Magenta/Yellow/Black Density (Middle)	Indicates the density of the middle color.
	Cyan/Magenta/Yellow/Black Density (Shadow)	Indicates the density of the shadow color.

## Font/Form

### PCL Font

Item	Description
Number	Displays the control number of the font.
Font Name	Displays the name of the fonts.
Source	Displays the storage source of the font.

*PS Font*

<b>Item</b>	<b>Description</b>
Number	Displays the control number of the font.
Font Name	Displays the name of the fonts.
Source	Displays the storage source of the font.

*Form Overlay*

<b>Item</b>	<b>Description</b>
Number	Displays the control number of the overlay.
File Name	Displays the name of the overlays.
Source	Displays the storage source of the form overlay.

*Color Profile*

<b>Item</b>	<b>Description</b>
Number	Displays the control number of the color profile.
File Name	Displays the file name of the color profile.
Profile Name	Displays the name of the color profile.
Class	Displays the type of color profile.
Color Space	Displays the color space for the color profile.
Source	Displays the storage source of the color profile.

*Report Types*

<b>Item</b>	<b>Description</b>
Configuration Page	Prints the printer configuration page.
Statistics Page	Prints the statistics page such as the number of pages printed.
PCL Font Page	Prints the PCL font lists.
PS Font Page	Prints the PostScript font lists.
Menu Map Page	Prints the menu map.

Item	Description
Directory Listing Page	Prints the directory list.  <b>Note:</b> This menu item appears only if an optional hard disk drive is installed.
Print button	Sends the page to the printer.
Clear button	Cancels the selected settings.

## Direct Print

### Note:

- This page appears only if an optional hard disk drive is installed.
- This page appears when both **Public Access** (in the **Network - Authentication - User Authentication** page) and **Print** (in the **System - Authentication - Default Permission Settings**) are set to **Allow**.
- The following file formats can be printed using direct printing: PDF, TIF, and JPEG.

Item	Description
File Name	Specify the location of the file to be printed. Click <b>Browse</b> , and then select the file.
Browse button	Displays a dialog box for browsing to the file to be printed.
Send button	Sends the specified file to the printer.

## Configuring the Printer

In order to make any configuration changes through Web-Based EpsonNet Config, you must first enter Administrator Mode. See “Administrator Mode” on page 70. for instructions on logging into Administrator Mode.

## System Page

This page allows you to configure several user- and printer-specific items.

## Device Information

### Summary

Item	Description
Memory	Displays the amount of memory installed in the printer.
HDD	If an optional hard disk drive is installed in the printer, displays the size of the hard disk.
Duplex	Indicates whether the duplex unit is installed on the printer.
Paper Source	Identifies the paper feed units installed on the printer.  <b>Note:</b> <b>Tray3</b> appears only if the optional 500-sheet paper cassette unit is installed.
Output Tray	Identifies the output trays installed on the printer.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

### Paper Source

Item	Description
Paper Source	Identifies the paper feed units Tray1/2/3 installed on the printer.
Paper Size	Indicates the size of paper loaded in a specific tray.
Paper Type	Indicates the type of paper loaded in a specific tray.
Paper	Indicates the paper status ("Ready" or "Empty") for each tray.
Detail button	Displays detailed information about the paper trays.

### Paper Source (Detail)

Item	Description
Paper Source	Displays the names of the paper trays.
Paper Size	Displays the paper sizes.
Paper Type	Displays the paper types.
Capacity	Displays the maximum capacity for each paper tray.
Paper	Displays the amount of paper remaining.

Item	Description
Back button	Returns to the previous screen.

### *Output Tray*

Item	Description
Tray	Displays the name of the output tray.
Paper	Displays the status (Ready, Full) of the output tray.

### *Storage*

Item	Description
Total	Displays the total amount of space on the hard disk. If no optional storages are installed, "-" are displayed.
Used	Displays the amount of space on the hard disk that is used. If no optional storages are installed, "-" are displayed.
Remaining	Displays the amount of space remaining on the hard disk. If no optional storages are installed, "-" are displayed.

*Interface Information*

Item		Description
Protocol Information	TCP/IP	If <b>Enable</b> is displayed, TCP/IP is enabled.
	IPv6	If <b>Enable</b> is displayed, IPv6 is enabled.
	Bonjour	If <b>Enable</b> is displayed, Bonjour is enabled.
	FTP	If <b>Enable</b> is displayed, FTP is enabled.
	Dynamic DNS	If <b>Enable</b> is displayed, Dynamic DNS is enabled.
	IPP	If <b>Enable</b> is displayed, IPP is enabled.
	LPD	If <b>Enable</b> is displayed, LPD is enabled.
	RAW Port	If <b>Enable</b> is displayed, RAW Port is enabled.
	SLP	If <b>Enable</b> is displayed, SLP is enabled.
	SMTP	If <b>Enable</b> is displayed, SMTP is enabled.
	SNMP	If <b>Enable</b> is displayed, SNMP is enabled.
	WSD Print	If <b>Enable</b> is displayed, WSD Print is enabled.
	LLTD	If <b>Enable</b> is displayed, LLTD is enabled.
	LLMNR	If <b>Enable</b> is displayed, LLMNR is enabled.
	AppleTalk	If <b>Enable</b> is displayed, AppleTalk is enabled.
	NetWare	If <b>Enable</b> is displayed, NetWare is enabled.
IEEE802.1x	If <b>Enable</b> is displayed, IEEE802.1x is enabled.	

Item		Description
Network Information	Type	Identifies the type of network interface installed on the printer (Ethernet 10Base-T/100Base-TX/1000Base-T).
	Ethernet Speed	Indicates the transmission speed for the network and the transmission method for bidirectional transmission.
	IP Address	Identifies the IP (Internet Protocol) address of the Ethernet interface.
	IPv6 Link Local Address	Identifies the IPv6 link local address of the Ethernet interface.
	IPv6 Global Address	Identifies the IPv6 global address of the Ethernet interface.
	MAC Address	Identifies the Media Access Control (MAC) address of the Ethernet interface.
	Host Name	Identifies the host name for the printer.
	Print Server Name (NetWare)	Identifies the Print Server Name for the NetWare.
	Printer Name (AppleTalk)	Identifies the printer name on AppleTalk.
	Current Zone Name (AppleTalk)	Identifies the Current Zone Name for the AppleTalk.
	Bonjour Name	Displays the Bonjour name for the printer.
	WSD Printer Name	Displays the WSD printer name for the printer.

### Consumables and Maintenance

Item	Description
Consumables and Maintenance	Identifies the consumables or maintenance parts that are being monitored.
Status	Indicates the remaining life of the consumables or maintenance parts.
TYPE	Identifies the type of Toner Cartridge.

### Counter

Item	Description
Pages Printed	Indicates the number of prints.
Sheets Printed by Paper Size	Indicates the number of prints grouped by Paper Size.
Sheets Printed by Paper Type	Indicates the number of prints grouped by Paper Type.



## Online Assistance

Item	Description
Contact Name	Sets the name of the person or organization responsible for providing assistance with the printer. Range: Up to 63 characters
Contact Information	Sets the web site for printer assistance. Range: Up to 127 characters
Product Help URL	Sets the help web site address for printer assistance. Range: Up to 127 characters
Corporate URL	Sets the Seiko Epson corporate web site address. Range: Up to 127 characters
Supplies and Accessories	Sets the web address where you can purchase printer supplies and accessories. Range: Up to 127 characters
Contact Phone Number	Specifies the telephone number of the printer administrator. Range: Up to 31 characters
Contact Address	Specifies the address of the printer administrator. Range: Up to 320 characters
Contact Utility Link	Specifies the link to the Printer Management Utilities. Range: Up to 127 characters
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## Import/Export

**Note:**

*This page appears only if an optional hard disk drive is installed. In addition, this page appears when **Job Log** (in the **System - Machine Settings** page) is set to **Enable**.*

## Job Log

**Note:**

*This page appears when **Job Log** (in the **System - Machine Settings** page) is set to **Enable**.*

Item	Description
Export	Specify the number of job logs to be retrieved. The specified number of job logs is retrieved from the most recent job logs. If the specified number of job logs is larger than the number of job logs available, all job logs are retrieved. Choices: Last 10, Last 50, Last 100, Last 250, Last 500, All Default: Last 10
Export button	Exports the job log information on the device to the computer.
Clear button	Clears the job log from the device.

### User Information

**Note:**

This page appears when **User Authentication** (in the **Network - Authentication - User Authentication** page) is set to **On**.

Item	Description
Import text box	Type in the name of the file containing the registered user authentication information to be imported.
Browse button	Allows the registered user authentication information transferred to the device to be searched.
Import button	Transfers the registered user authentication information to the device.
Export button	Exports the registered user authentication information to the computer.

### Authentication

**Note:**

- This page appears only if an optional hard disk drive is installed.
- This page doesn't appear when both **User Authentication** and **Account Track** are set to **Off** and **Public Access** is set to **Restrict** (in the **Network - Authentication - User Authentication** page).

### Default Permission Settings

Item		Description
Function Permission	Print	Select whether or not printing is permitted when public authentication is used. Choices: Allow, Restrict Default: Allow
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

### User Registration

**Note:**

This menu item appears when **User Authentication** (in the **Network - Authentication - User Authentication** page) is set to **On**.

Item	Description
Search for Number	Select the user registration number (No.) to be searched for. Range: 1 - 1000 Default: 1 - 50
No.	Shows the user registration number (No.) to be registered.
User Name	Shows the user name to be registered.
Edit icon	The information for the user to be registered can be edited.
Delete icon	The user to be registered can be deleted.
New Registration button	Registers a new user.

*User Registration (New Registration)*

Item		Description
User Registration	No.	Shows the new user registration number (No.).
	User Name	Specify the name of the new user. Range: Up to 64 characters <b>Note:</b> <input type="checkbox"/> A user name that already exists cannot be specified. <input type="checkbox"/> "Public" cannot be specified as the user name.
	User Password	Specify the password of the new user. Range: Up to 64 characters <b>Note:</b> The User Password box can be left blank.
	Retype User Password	Type in the new password again for confirmation. Range: Up to 64 characters
	Account Name	Specify the account that the user belongs to. Range: Up to 8 characters <b>Note:</b> <input type="checkbox"/> Create the account in the <b>System - Authentication - Account Track Registration - New Registration</b> page, and then specify this setting. When specifying this setting, an account name that does not exist cannot be specified. <input type="checkbox"/> This menu item appears only when both <b>User Authentication</b> and <b>Account Track</b> are set to <b>On</b> and <b>Synchronize User Authentication &amp; Account Track</b> is set to <b>Synchronize</b> (in the <b>Network - Authentication - User Authentication</b> page).
Function Permission	Print	Select whether or not the new user is permitted to print. Choices: Allow, Restrict Default: Allow
Output Permission	Color	Select whether or not the new user is permitted to print in color. Choices: Allow, Economy Print Mode Only, Restrict Default: Allow
	Black	Select whether or not the new user is permitted to print in black and white. Choices: Allow, Restrict Default: Allow

Item	Description
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the <b>System - Authentication - User Registration</b> page.

### Account Track Registration

**Note:**

*This menu item appears when **Account Track** (in the **Network - Authentication - User Authentication** page) is set to **On**.*

Item	Description
Search for Number	Select the account registration number (No.) to be searched for. Range: 1 - 1000 Default: 1 - 50
No.	Shows the account registration number (No.) to be registered.
Account Name	Shows the account name to be registered.
Edit icon	The information for the account to be registered can be edited.
Delete icon	The account to be registered can be deleted.
New Registration button	Registers a new account.

*Account Track Registration (New Registration)*

Item		Description
Account Track Registration	No.	Shows the new account registration number (No.).
	Account Name	Specify the name of the new account. Range: Up to 8 characters <b>Note:</b> An account name that already exists cannot be specified.
	Account Password	Specify the password of the new account. Range: Up to 8 characters
	Retype Account Password	Type in the new password again for confirmation. Range: Up to 8 characters
Function Permission	Print	Select whether or not the new account is permitted to print. Choices: Allow, Restrict Default: Allow
Output Permission	Color	Select whether or not the new account is permitted to print in color. Choices: Allow, Economy Print Mode Only, Restrict Default: Allow
	Black	Select whether or not the new account is permitted to print in black and white. Choices: Allow, Restrict Default: Allow
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.
Cancel button		Click to cancel the entered data and return to the <b>System - Authentication - Account Track Registration</b> page.

## Date/Time

### Manual Settings

Item	Description
Year	Specifies the year for the printer's internal clock. Range: 2008 - 2032 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - DATE
Month	Specifies the month for the printer's internal clock. Range: 1 - 12 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - DATE
Day	Specifies the day for the printer's internal clock. Range: 1 - 31 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - DATE
Hour	Specifies the hour for the printer's internal clock. Range: 0 - 23 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - TIME
Minute	Specifies the minute for the printer's internal clock. Range: 0 - 59 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - TIME
Time Zone	Specifies the time zone for sending e-mail notifications. Range: -12:00 - +13:00 Default: 0:00 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - TIME ZONE
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### Time Adjustment Settings

Item	Description
Time Adjustment	Select whether or not the time is automatically adjusted with NTP. Choices: Enable, Disable Default: Disable
NTP Server Address	Specifies the NTP server address. IPv4 address, IPv6 address or FQDN (Fully Qualified Domain Name) can be specified. Range: Up to 63 characters Default: 0.0.0.0
Port Number	Specifies the NTP server port number. Range: 1 - 65535 Default: 123
Time Zone	Specifies the time difference from GMT. Range: -12:00 - +13:00 Default: 0:00
Adjustment Time	Shows the last modification date and time. Default: Unknown
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### Admin Password

Item	Description
Current Password	Type in the current password. Range: Up to 16 characters
New Password	Sets a new password to enter Administrator Mode. Range: Up to 16 characters <b>Note:</b> Passwords can be set to any string of numbers and letters (uppercase and lowercase) up to 16 characters in length.



Item	Description
Retype Password	Verifies the new password typed in the <b>New Password</b> text box. Range: Up to 16 characters <b>Note:</b> If the password typed in three text boxes doesn't match, the following message displays when you choose the <b>Apply</b> button: "Password was changed unsuccessfully. Please retry." Click <b>OK</b> button, and then retype the passwords in both text boxes.
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

**Note:**

*If you forget the new password you've assigned, use the printer's `SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE NETWORK` menu to reset the password (and all other network configuration choices) to administrator.*

**Machine Settings**

Item	Description
Administrator Name	Specifies the name of the administrator for the printer. Range: Up to 127 characters
Device Name	Specifies the name of the printer. Range: Up to 127 characters
Device Location	Specifies the setup location for the printer. Range: Up to 127 characters
Device Information	Specifies the information for the printer. Range: Up to 127 characters
Do Startup Page	Selects whether or not a startup page is printed when the printer is turned on. Choices: On, Off Default: Off Configuration Menu Equivalent: <code>SYS DEFAULT MENU - STARTUP OPTIONS - DO STARTUP PAGE</code>

Item	Description
Auto Continue	<p>Selects whether or not printing continues if the size or type of paper in the selected paper tray is different from the size or type of paper for the print job.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - AUTO CONTINUE</p>
Hold Job Timeout	<p>Specifies the length of time until print jobs saved on the hard disk are deleted. If Disable is selected, print jobs are not deleted at a specific time.</p> <p>Choices: Disabled, One Hour, Four Hours, One Day, One Week</p> <p>Default: Disabled</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - HOLD JOB TIMEOUT</p> <p><b>Note:</b> This menu item appears only if an optional hard disk drive is installed.</p>
Energy Saver Time	<p>Specifies the length of time until the machine enters Energy Saver mode.</p> <p>Choices: 5-15 Minutes, 30 Minutes, 1 Hour, 3 Hours</p> <p>Default: 15 Minutes</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - ENERGY SAVER TIME</p>
Grayscale Page	<p>Specify the operation to be performed for black-and-white pages in a job specified for color printing.</p> <p>If <b>Auto</b> is selected, the printer determines whether the data is color or black-and-white before printing it.</p> <p>If <b>Grayscale Print</b> is selected, black-and-white printing is automatically performed depending on each page. It may decrease the printing speed in some cases, but it reduces the consumption of the color toner cartridges and photoconductor unit.</p> <p>If <b>Color Print</b> is selected, color printing is performed, even for a black-and-white page.</p> <p>Choices: Auto, Grayscale Print, Color Print</p> <p>Default: Auto</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - GRAYSCALE PAGE</p>

Item	Description
Job Log	Select whether or not the Job Log function is used. Choices: Enable, Disable Default: Disable <b>Note:</b> This menu item appears only if an optional hard disk drive is installed.
Hide Personal Information	Select whether or not the names of printed files ( <b>File Name</b> ) are displayed in the Job page. Choices: On, Off Default: Off
Auto Power Off (Epson AcuLaser C3900 Series for EMEAR* Only)	Select whether or not to automatically turn off the machine's main power. Choices: On, Off Default: On
Auto Power Off Time (Epson AcuLaser C3900 Series for EMEAR* Only)	Specify the time to automatically turn off the machine's main power. Range: 00:00 to 23:59 Default: 20:00
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

\* EMEAR stands for Euro, Middle East, Africa, and Russia.

## ROM Version

Item	Description
Engine ROM Version	Displays the ROM version of the printer engine.
Controller ROM Version	Displays the ROM version of the printer controller.
Boot ROM Version	Displays the ROM version of the Boot ROM.

## Maintenance

### Clear Settings

Item	Description
Printer Settings	Resets the printer settings to their defaults. Configuration Menu Equivalent: SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE PRINTER
Network Settings	Resets the network settings to their defaults. Configuration Menu Equivalent: SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE NETWORK
All Settings	Resets all settings to their defaults. Configuration Menu Equivalent: SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE ALL
Clear button	When clicked, the message "Is it OK to restore Factory Defaults?" appears. Click <b>OK</b> to automatically restart the printer and return the settings to their default values.

### Reset Printer

Item	Description
Reset button	When clicked, the message "Is it OK to reset the Printer?" appears. Click <b>OK</b> to automatically restart the printer.

**Status Notification Settings**

Item		Description
IP Address	Notification Address	Specify the IP address of the SNMP trap receiver. An IPv4 or IPv6 address or a host name can be specified. Range: Up to 63 characters Default: 0.0.0.0
	Port Number	Specify the port number of the SNMP trap. Range: 1 - 65535 Default: 162
	Community Name	Specify the community name for the SNMP trap. Range: Up to 15 characters Default: public
IPX Address	Notification Address	Specify the IPX address of the SNMP trap receiver. Range: 8 characters Default: 00000000
	Node Address	Specify the node address of the SNMP trap receiver. Range: 12 characters Default: 000000000000
	Community Name	Specify the community name for the SNMP trap. Range: Up to 15 characters Default: public
Email Address	Email Notice	Specifies whether or not a notification is sent by e-mail when a warning occurs in the printer. Choices: Enable, Disable Default: Enable
	Notification Address	Specifies the e-mail address where the notification is sent. Range: Up to 320 characters

<b>Item</b>		<b>Description</b>
Alert	Paper Empty	Specifies whether or not a notification is sent when the paper tray runs out of paper. Choices: Enable, Disable Default: Enable
	Paper Jam	Specifies whether or not a notification is sent when a paper misfeed occurs. Choices: Enable, Disable Default: Enable
	Maintenance	Specifies whether or not a notification is sent when the time for a periodic maintenance has been reached. Choices: Enable, Disable Default: Enable
	Replace Toner	Specifies whether or not a notification is sent when the toner is empty. Choices: Enable, Disable Default: Enable
	Output Tray Full	Specifies whether or not a notification is sent when the output tray has become full. Choices: Enable, Disable Default: Enable
	Fuser Unit End	Specifies whether or not a notification is sent when the fuser unit has reached the end of its service life. Choices: Enable, Disable Default: Enable

Item		Description
	Operator Call	Specifies whether or not a notification is sent when the operator must be called. Choices: Enable, Disable Default: Enable
	Service Call	Selects whether or not notification is sent to the service representative when a condition occurs that requires servicing. Choices: Enable, Disable Default: Enable
	Job Complete	Specifies whether or not a notification is sent when a print job is completed correctly. Choices: Enable, Disable Default: Enable
	Job Error	Specifies whether or not a notification is sent when a job could not be printed because an error occurred. Choices: Enable, Disable Default: Enable
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

## Job Page

This page allows you to view the status of the current print jobs.

### Active Job List

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file. This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.

Item	Description
Job Status	Displays the current status of the print job (Parsing, Printing, Cancel, Pending, Abort or Pending).
Create Time	Displays the time that the job was queued.
Delete button	Deletes the print job(s) whose check boxes in column 1 are checked.

### **Done Job List**

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file. This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job (OK, Error, or Canceled).
Detail button	Displays a screen containing details.

### **Done Job List (Detail)**

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
Delivery Type	Displays the delivery method for the job (Print, Print and Hold, Proof then Print, IPP Print, Secured Job, Time Print, or Report Print).
Create Time	Displays the time that the job was queued.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job (OK, Error, or Canceled).
Back button	Returns to the previous screen.



## Print Page

This page allows more detailed printer settings to be specified.

### Local Interface

Item	Description
I/O Timeout	Specifies the reception timeout (in seconds). Range: 5-300 Default: 15 Configuration Menu Equivalent: INTERFACE MENU - JOB TIMEOUT
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### Default Settings

#### General Settings

Item	Description
PDL	Selects default language to be selected. Choices: Auto, PCL, PS Default: Auto Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - DEF. EMULATION
Paper Source	The paper tray that is normally used can be specified. Choices: Tray1, Tray2, Tray3 Default: Tray2 Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - DEFAULT TRAY <b>Note:</b> <b>Tray3</b> appears only if an optional 500-sheet paper cassette unit is installed.

Item	Description
Duplex	<p>If <b>Long-Edge Binding</b> is selected, the pages will be printed on both sides of the paper for long-edge binding.</p> <p>If <b>Short-Edge Binding</b> is selected, the pages will be printed on both sides of the paper for short-edge binding.</p> <p>Choices: Off, Short-Edge Binding, Long-Edge Binding</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: PAPER MENU - DUPLEX</p>
Output Tray	Displays the name of the output tray.
Copies	<p>Specifies the default setting for number of copies to be printed.</p> <p>Range: 1-9999</p> <p>Default: 1</p> <p>Configuration Menu Equivalent: PAPER MENU - COPIES</p>
Paper Size	<p>Specifies the default setting for the size of paper.</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER SIZE</p>
Width	<p>Specifies the paper width when <b>Paper Size</b> is set to <b>Custom Size</b>.</p> <p>Range: 3.63 - 8.50 (inch) / 92 - 216 (mm)</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - CUSTOM SIZE - WIDTH</p>
Length	<p>Specifies the paper length when <b>Paper Size</b> is set to <b>Custom Size</b>.</p> <p>Range: 5.83 - 14.00 (inch) / 148 - 356 (mm)</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - CUSTOM SIZE - LENGTH</p>
Paper Type	<p>Specifies the default setting for the type of paper.</p> <p>Choices: Plain Paper, Recycled, Thick 1, Thick 2, Label, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2, Single Side Only, Special Paper</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER TYPE</p>

Item	Description
Collate	<p>If <b>On</b> is selected, all pages in a copy of the document can be printed before printing the next copy.</p> <p>If <b>Off</b> is selected, all copies of the document are not printed separately.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: PAPER MENU - COLLATE</p> <p><b>Note:</b> This menu item appears only if an optional hard disk drive is installed.</p>
Unit of Measure	<p>The unit for specifying the size of custom paper can be specified between inches and millimeters.</p> <p>Choices: Inches, Millimeters</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - UNIT OF MEASURE</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

*Paper Source Settings*

Item		Description
Tray1	Paper Size	Specifies the setting for the size of paper loaded into Tray 1. Default: A4 Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - PAPER SIZE
	Width	Specifies the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> . Range: 3.63 - 8.50 (inch) / 92 - 216 (mm) Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - WIDTH
	Length	Specifies the paper length when <b>Paper Size</b> is set to <b>Custom Size</b> . Range: 5.83 - 14.00 (inch) / 148 - 356 (mm) Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - LENGTH
	Paper Type	Specifies the setting for the type of paper loaded into Tray 1. Choices: Any, Plain Paper, Recycled, Thick 1, Thick 2, Label, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2, Single Side Only, Special Paper Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - PAPER TYPE

Item		Description
Tray2	Paper Size	Specifies the setting for the size of paper loaded into Tray 2. Default: A4 Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER SIZE
	Width	Specifies the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> . Range: 3.63 - 8.50 (inch) / 92 - 216 (mm) Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - CUSTOM SIZE - WIDTH
	Length	Specifies the paper length when <b>Paper Size</b> is set to <b>Custom Size</b> . Range: 5.83 - 11.69 (inch) / 148 - 297 (mm) Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - CUSTOM SIZE - LENGTH
	Paper Type	Specifies the setting for the type of paper loaded into Tray 2. Choices: Any, Plain Paper, Recycled, Thick 1, Thick 2, Label, Postcard, Letterhead, Glossy 1, Glossy 2, Single Side Only, Special Paper Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER TYPE
Tray3  This item appears only if an optional 500-sheet paper cassette unit is installed.	Paper Size	Displays the setting for the size of paper loaded into Tray 3. Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY3 - PAPER SIZE
	Paper Type	Specifies the setting for the type of paper loaded into Tray 3. Choices: Any, Plain Paper, Recycled, Single Side Only, Special Paper Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY3 - PAPER TYPE

Item		Description
Tray Chaining	Tray Chaining	<p>If <b>Enable</b> is selected and the specified paper tray runs out of paper during printing, a paper tray loaded with paper of the same size is automatically selected so printing can continue.</p> <p>If <b>Disable</b> is selected and the specified paper tray runs out of paper, printing stops.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY CHAINING</p>
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

### Tray Mapping Settings

Item	Description
Tray Mapping Mode	<p>Select whether or not the Tray Mapping function is used.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY MAPPING - TRAY MAPPING MODE</p>
Logical Tray 0-9	<p>Select the tray that is used for printing when a print job is received from another manufacturer's printer driver.</p> <p>The default setting for <b>Logical Tray 1</b> is <b>Physical Tray 1</b>. The default setting for all other trays is <b>Physical Tray 2</b>.</p> <p>Choices: Physical Tray 1, Physical Tray 2, Physical Tray 3</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY MAPPING - LOGICAL TRAY0-9</p> <p><b>Note:</b> Physical Tray 3 appears only if an optional 500-sheet paper cassette unit is installed.</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

*PCL Settings*

Item	Description
Font Number	Sets the default font in the PCL language. Range: 0 - 102 Default: 0 Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - FONT NUMBER
Symbol Set	Selects the symbol set used with the PCL language. Default: PC-8 Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - SYMBOL SET
Lines Per Page	Selects how many lines are in a page in PCL language. Range: 5 - 128 Default: 60 Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - PCL - LINES PER PAGE
Font Point Size	Sets the font size in the PCL language. Range: 4.00 - 999.75 Default: 12.00 Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - POINT SIZE
Font Pitch Size	Sets the font pitch in the PCL language. Range: 0.44 - 99.99 Default: 10.00 Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - PITCH SIZE
CR/LF Mapping	Selects CR/LF code definition in PCL language. Choices: CR=CR LF=LF, CR=CRLF LF=LF, CR=CR LF=LFCR, CR=CRLF LF=LFCR Default: CR=CR LF=LF Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - PCL - CR/LF MAPPING
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## PS Settings

Item	Description
Wait Timeout	<p>Sets Postscript timeout. "0" means that no time-out control is effective.</p> <p>Range: 0 - 300 (in seconds)</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - POSTSCRIPT - WAIT TIMEOUT</p>
PS Protocol	<p>Specifies the PS protocol.</p> <p>Choices: Auto, Normal, Binary</p> <p>Default: Auto</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - POSTSCRIPT - PS PROTOCOL</p>
Print to PS Error	<p>Specifies whether or not error printing is performed.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - POSTSCRIPT - PS ERROR PAGE</p>
Auto Trapping	<p>Select whether or not neighboring colors are printed superimposed in order to prevent white space around images.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - POSTSCRIPT - AUTO TRAPPING</p>
Black Overprint	<p>Specify whether black objects are printed (superimposed) on a neighboring color in order to prevent white space around black characters or figures.</p> <p>If <b>Text/Graphic</b> is selected, superimposed printing is applied to text and graphics.</p> <p>If <b>Text</b> is selected, superimposed printing is applied to text.</p> <p>Choices: Text/Graphic, Text, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - POSTSCRIPT - BLACK OVERPRINT</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.



## XPS Settings

### Note:

*This printer does not support XPS printer driver.*

Item	Description
Digital Signature	Specify whether to verify digital signature. When <b>Enable</b> is selected, the document without a valid digital signature is not printed. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - XPS - DIGITAL SIGNATURE
Print to XPS Error	Specify whether to print error message when an error occurs during XPS print. Choices: On, Off Default: On Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - XPS - XPS ERROR PAGE
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## Print Quality Settings

Item		Description
Print Quality Settings	Color Mode	If <b>Color</b> is selected, the pages are printed in full color. If <b>Monochrome</b> is selected, the pages are printed in black and white. Choices: Color, Monochrome Default: Color Configuration Menu Equivalent: QUALITY MENU - COLOR MODE

Item	Description	
	Color Separation	<p>If <b>On</b> is selected, color separation is performed.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: QUALITY MENU - COLOR SEPARATION</p>
	Brightness	<p>Specifies the brightness of the printed image.</p> <p>Choices: +15%, +10%, +5%, 0, -5%, -10%, -15%</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: QUALITY MENU - BRIGHTNESS</p>
	Halftone (Image Printing/ Text Printing/Graphics Printing)	<p>Specifies how halftones are reproduced.</p> <p>If <b>Line Art</b> is selected, halftones are reproduced with high precision.</p> <p>If <b>Detail</b> is selected, halftones are reproduced with detail.</p> <p>If <b>Smooth</b> is selected, halftones are reproduced with smoothness.</p> <p>Choices: Line Art, Detail, Smooth</p> <p>Default: Detail (Image/Graphics) / Line Art (Text)</p> <p>Configuration Menu Equivalent: QUALITY MENU - HALFTONE - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING</p>

Item	Description
Edge Enhancement (Image Printing/Text Printing/Graphics Printing)	<p>Select whether image/text/graphics edges are emphasized.</p> <p>If <b>On</b> is selected, the edges are emphasized.</p> <p>Choices: On, Off</p> <p>Default: Off (Image) / On (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - EDGE ENHANCEMENT - IMAGE PRINTING/TEXT PRINTING/GRAPHICS PRINTING</p>
Edge Strength	<p>Select the desired amount that edges are emphasized.</p> <p>If <b>Off</b> is selected, the edges are not emphasized.</p> <p>If <b>Low</b> is selected, the edges are slightly emphasized.</p> <p>If <b>Middle</b> is selected, the edges are emphasized by an average amount.</p> <p>If <b>High</b> is selected, the edges are highly emphasized.</p> <p>Choices: Off, Low, Middle, High</p> <p>Default: Middle</p> <p>Configuration Menu Equivalent: QUALITY MENU - EDGE STRENGTH</p>
Economy Print Mode	<p>Select whether to print graphics with a reduced density by reducing the amount of toner that is used.</p> <p>When Economy Print Mode is enabled, the amount of toner used is reduced when printing many drawings.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: QUALITY MENU - ECONOMY PRINT</p>

Item		Description
PCL Settings	Contrast	<p>Specifies the contrast of the image.</p> <p>Choices: +15%, +10%, +5%, 0, -5%, -10%, -15%</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - CONTRAST</p>
	Image Printing/Text Printing/Graphics Printing (Source)	<p>Specifies the color space for RGB data.</p> <p>Choices: Device Color, sRGB</p> <p>Default: sRGB</p> <p>Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - RGB SOURCE</p>
	Image Printing/Text Printing/Graphics Printing (Intent)	<p>Specifies the color intent to be used on conversion RGB to CMYK by printer.</p> <p>Choices: Vivid, Photographic</p> <p>Default: Photographic (Image) / Vivid (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - RGB INTENT</p>
	Image Printing/Text Printing/Graphics Printing (Gray Treatment)	<p>Specifies the method to reproduce RGB black and gray.</p> <p>Choices: Composite Black, Black and Gray, Black Only</p> <p>Default: Composite Black (Image) / Black and Gray (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - RGB GRAY</p>

Item		Description
PS Settings	Image Printing/Text Printing/Graphics Printing (RGB Source)	<p>Specifies the color space for RGB data.</p> <p>Choices: Device Color, sRGB, Apple RGB, Adobe RGB (1998), ColorMatch RGB, Blue Adjust RGB, Custom Profile</p> <p>Default: sRGB</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - RGB SOURCE</p>
	Image Printing/Text Printing/Graphics Printing (RGB Intent)	<p>Specifies the color intent to be used on conversion RGB to CMYK by printer.</p> <p>Choices: Vivid, Photographic, Relative Color, Absolute Color</p> <p>Default: Photographic (Image) / Vivid (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - RGB INTENT</p>
	Image Printing/Text Printing/Graphics Printing (RGB Gray Treatment)	<p>Specifies the method to reproduce RGB black and gray.</p> <p>Choices: Composite Black, Black and Gray, Black Only</p> <p>Default: Composite Black (Image) / Black and Gray (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - RGB GRAY</p>

Item	Description
Image Printing/Text Printing/Graphics Printing (Destination Profile)	<p>Specifies the ICC destination profile to be used for printed output.</p> <p>Choices: Auto, Custom Profile</p> <p>Default: Auto</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE PRINTING/TEXT PRINTING/ GRAPHICS PRINTING - DESTINATION PROF</p>
Simulation (Profile)	<p>Specifies the specific ICC simulation profile to be used for printed output.</p> <p>Choices: None, SWOP, Euroscale, Commercial Press, Japan Color TOYO, DIC, Custom Profile</p> <p>Default: None</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - SIMULATION - SIMULATION PROF</p>
Simulation (Intent)	<p>Specifies the simulation intent to be used for simulation printing.</p> <p>Choices: Relative Color, Absolute Color</p> <p>Default: Relative Color</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - SIMULATION - SIMULATION INTENT</p>
Simulation (CMYK Gray Treatment)	<p>Specifies the method to reproduce CMYK black and gray for simulation printing.</p> <p>Choices: Composite Black, Black and Gray, Black Only</p> <p>Default: Composite Black</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - SIMULATION - CMYK GRAY</p>

Item		Description
Calibration Settings	Tone Calibration	<p>If <b>On</b> is indicated, image adjustments are applied.</p> <p>Choices: On, Off</p> <p>Default: On</p> <p>Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - TONE CALIBRATION</p>
	Cyan/Magenta/Yellow/Black Density (Highlight)	<p>Specifies the density of the highlight color.</p> <p>Choices: +3, +2, +1, 0, -1, -2, -3</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - CMYK DENSITY - CYAN/MAGENTA/YELLOW/BLACK - HIGHLIGHT</p>
	Cyan/Magenta/Yellow/Black Density (Middle)	<p>Specifies the density of the middle color.</p> <p>Choices: +3, +2, +1, 0, -1, -2, -3</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - CMYK DENSITY - CYAN/MAGENTA/YELLOW/BLACK - MIDDLE</p>
	Cyan/Magenta/Yellow/Black Density (Shadow)	<p>Specifies the density of the shadow color.</p> <p>Choices: +3, +2, +1, 0, -1, -2, -3</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - CMYK DENSITY - CYAN/MAGENTA/YELLOW/BLACK - SHADOW</p>
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

## Download Font/Form

### Note:

*This page appears only if an optional hard disk drive is installed.*

### PS Font

### Note:

*The printer must have an optional hard disk drive to use the PS Font parameters described below.*

Item		Description
Download PS Font	HDD radio button	Specifies the download destination (HDD) of the font.
	Text box	Specifies the file name for the PostScript font to be downloaded.
	Browse button	Displays a dialog box for browsing to the PostScript font file.
	Submit button	Sends the specified PostScript font file to the printer.
Delete PS Font	Check box	Select the check box of the font to be deleted, and then click <b>Delete</b> to delete the selected font from the printer.
	Number	Displays the control number of the font.
	Font Name	Displays the name of the fonts.
	Source	Displays the storage source of the font.
Delete button		Deletes the PostScript font file(s) whose check boxes the left end are checked.

### Form Overlay

Item		Description
Download Form Overlay	HDD radio button	Specifies the download destination (HDD) of the form overlay file.
	Text box	Specifies the file name for the form overlay to be downloaded.
	Browse button	Displays a dialog box for browsing to the form overlay file.
	Submit button	Sends the specified form overlay file to the printer.
Delete Form Overlay	Check box	Select the check box of the form overlay file to be deleted, and then click <b>Delete</b> to delete the selected form overlay from the printer.
	Number	Displays the control number of the overlay.
	File Name	Displays the name of the overlays.
	Source	Displays the storage source of the form overlay.
Delete button		Deletes the PostScript font file(s) whose check boxes the left end are checked.



## Color Profile

Item		Description
Download Color Profile	HDD radio button	Specifies the download destination (HDD) of the color profile.
	Text box	Specifies the file name for the color profile to be downloaded.
	Browse button	Displays a dialog box for browsing to the color profile file.
	Submit button	Sends the specified color profile file to the printer.
Delete Color Profile	Check box	Select the check box of the color profile file to be deleted, and then click <b>Delete</b> to delete the selected color profile from the printer.
	Number	Displays the control number of the color profile.
	File Name	Displays the name of the color profile.
	Profile Name	Displays the name of the color profile.
	Class	Displays the type of color profile.
	Color Space	Displays the color space for the color profile.
	Source	Displays the storage source of the color profile.
Delete button		Deletes the PostScript font file(s) whose check boxes the left end are checked.

## Network Page

This page allows you to configure network settings. For more information on these protocols, see Chapter 4 “Network Printing” on page 49.

### TCP/IP

#### TCP/IP

For more information on these TCP/IP, see Chapter 4 “Network Printing” on page 49.

Item	Description
TCP/IP	<p>Sets whether or not to use TCP/IP.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - ENABLE</p>
Speed	<p>Specifies the operating mode and speed for Ethernet.</p> <p>Choices: Auto, 10Base-T (Half), 10Base-T (Full), 100Base-TX (Half), 100Base-TX (Full), 1000Base-T (Full)</p> <p>Default: Auto</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - SPEED/DUPLEX</p>
LPD	<p>Select whether or not LPD is used.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>
SLP	<p>Select whether or not SLP is used.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SLP - ENABLE</p>
LLMNR	<p>Select whether or not LLMNR is used.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### IPv4 Settings

For more information on these TCP/IP, see Chapter 4 “Network Printing” on page 49.

Item	Description
Auto IP	<p>Specifies the automatic assigning method for the printer IP address.</p> <p>Choices: DHCP, BootP, ARP/PING</p> <p>Default: DHCP</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - DHCP, BOOTP, ARP/PING</p>
IP Address*	<p>Sets the printer's IP address.</p> <p>Range: 0–255 for each xxx triplet</p> <p>Default: 0.0.0.0</p> <p><b>Note:</b> If the specified IP address is outside of the allowable range, the value is not changed, even after the <b>Apply</b> button is clicked. The setting returns to the previous value.</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IP ADDRESS</p>
Subnet Mask*	<p>Sets the printer's subnet mask address.</p> <p>Range: 0–255 for each xxx triplet</p> <p>Default: 0.0.0.0</p> <p><b>Note:</b> If the specified subnet mask address is outside of the allowable range, the value is not changed, even after the <b>Apply</b> button is clicked. The setting returns to the previous value.</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SUBNET MASK</p>
Default Gateway*	<p>If a router is used on the network, sets the router's address.</p> <p>Range: 0–255 for each xxx triplet</p> <p>Default: 0.0.0.0</p> <p><b>Note:</b> If the specified router address is outside of the allowable range, the value is not changed, even after the <b>Apply</b> button is clicked. The setting returns to the previous value.</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - DEFAULT GATEWAY</p>
Domain Name Automatic Acquisition	<p>Select whether or not the default DNS domain name is automatically acquired from the DHCP server to overwrite the current setting.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>

Item	Description
DNS Server Automatic Acquisition	Select whether or not the DNS server address is automatically acquired from the DHCP server to overwrite the current setting. Choices: Enable, Disable Default: Enable
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

\* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.

### IPv6 Settings

For more information on these TCP/IP, see Chapter 4 “Network Printing” on page 49.

Item	Description
IPv6	Select whether or not IPv6 is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - ENABLE
IPv6 Auto Setting	Select whether or not the IPv6 auto setting is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - AUTO SETTING
IPv6 Link Local Address	Displays IPv6 Link Local Address. Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - LINK LOCAL
IPv6 Global Address	Specifies the IPv6 Global Address. Range: 4 to 43 characters Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - GLOBAL ADDRESS <b>Note:</b> When <b>IPv6 Auto Setting</b> is set to <b>Enable</b> , this item is not applied, even if the setting is changed.

Item	Description
IPv6 Gateway Address	<p>Specifies the IPv6 Gateway Address.</p> <p>Range: 6 to 39 characters</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - GATEWAY ADDRESS</p> <p><b>Note:</b> When <b>IPv6 Auto Setting</b> is set to <b>Enable</b>, this item is not applied, even if the setting is changed.</p>
DHCPv6	<p>Select whether or not DHCPv6 is used.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>
DNS Server Automatic Acquisition	<p>Select whether or not the DNS server address is automatically acquired from the DHCPv6 server to overwrite the current setting.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>
Search Domain Name Automatic Acquisition	<p>Select whether or not the DNS search domain name is automatically acquired from the DHCPv6 server to overwrite the current setting.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>
NTP Server Automatic Acquisition	<p>Select whether or not the SNTP server address is automatically acquired from the DHCPv6 server to overwrite the current setting.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### RAW Port Settings

For more information on these TCP/IP, see Chapter 4 “Network Printing” on page 49.

Item	Description
RAW Port	Select whether or not RAW port is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - RAW PORT - ENABLE
RAW Port Number	Identifies the number of the printer's RAW port. Choices: 1 - 65535 Default: 9100 <b>Note:</b> The currently used port number and numbers 161, 443 and 631 cannot be specified.
RAW Port Bidirectional	Select whether or not the RAW Port bidirectional is used. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - RAW PORT - BIDIRECTIONAL
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### DNS Settings

For more information on these TCP/IP, see Chapter 4 “Network Printing” on page 49.

Item	Description
Host Name	Specifies the host name. Range: Up to 63 characters Default: EPSON AL-C3900-xxxxxx <b>Note:</b> xxxxxx displays six last digits of the MAC address in hexadecimals.
Domain Name	Specifies the domain name. Range: Up to 63 characters
DNS Server(IPv4)	Specifies the DNS server. A maximum of three IPv4 addresses can be specified. Default: 0.0.0.0

Item	Description
DNS Server(IPv6)	Specifies the DNS server. A maximum of three IPv6 addresses can be specified. Default: ::
Search Domain Name	Specifies the DNS Search Domain. A maximum of three FQDN (fully qualified domain names) can be specified.
Dynamic DNS	Select whether or not Dynamic DNS is used. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - DYNAMIC DNS - ENABLE
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### IP Address Filtering

**Note:**

- The settings described below are not applied to the DNS server and DHCP server.
- If the range of permitted IP addresses in **Access Permission Address** overlaps the range of refused IP address in **Access Refuse Address**, the refuse setting of **Access Refuse Address** is given priority.

Item	Description
Access Permission Address	If <b>Enable</b> is selected, the range of IP addresses permitted access to the printer can be specified. A maximum of five ranges of permitted IP addresses can be specified. In addition, access from an IP address out of the specified range is prohibited. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IP ADDRESS FILTER - ACCESS PERMISSION

Item	Description
Range of IP address permitted access*	<p>Specify the range of IP addresses permitted access to the printer. Type the IP address at the beginning of the range into the box on the left, and the IP address at the end of the range into the box on the right.</p> <p>Range: 0-255 for each xxx triplet</p> <p>Default: 0.0.0.0</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> To specify a single IP address, type the same IP address into both the box for the starting IP address and for the ending IP address, or type "0.0.0.0" into the box for either the starting IP address or the ending IP address.</li> <li><input type="checkbox"/> If the starting IP address is larger than the ending IP address, the setting is not applied.</li> </ul>
Access Refuse Address	<p>If <b>Enable</b> is selected, the range of IP addresses refused access to the printer can be specified.</p> <p>A maximum of five ranges of refused IP addresses can be specified.</p> <p>Choices: Enable, Disable</p> <p>Default: Disable</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IP ADDRESS FILTER - ACCESS REFUSE</p>
Range of IP address refused access*	<p>Specify the range of IP addresses refused access to the printer. Type the IP address at the beginning of the range into the box on the left, and the IP address at the end of the range into the box on the right.</p> <p>Range: 0-255 for each xxx triplet</p> <p>Default: 0.0.0.0</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> To specify a single IP address, type the same IP address into both the box for the starting IP address and for the ending IP address, or type "0.0.0.0" into the box for either the starting IP address or the ending IP address.</li> <li><input type="checkbox"/> If the starting IP address is larger than the ending IP address, the setting is not applied.</li> </ul>
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.

\* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.



*IPsec*

Item		Description
Generic Settings	IPsec	Displays whether to enable or disable the IPsec function.
	IKE Life Time	Display the IKE Life Time.
	IKE Diffie-Hellman Group	Display the IKE Diffie-Hellman Group.
	IPsec SA Life Time	Display the IPsec SA Life Time.
	Edit icon	Click this icon to display the settings page.
IKE Settings/IPsec SA Settings/IPsec Peer Settings		Displays the registered settings.
IKE Settings/IPsec SA Settings/IPsec Peer Settings (Edit icon)		Click this icon to display the settings page.
IKE Settings/IPsec SA Settings/IPsec Peer Settings (Delete icon)		Click this icon to delete the settings.

*IPsec (General Settings)*

Item	Description
IPsec	Select whether to enable or disable the IPsec function. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPSEC - ENABLE
IKE Life Time	Specifies the IKE Life Time (in seconds). Range: 80-604800 Default: 28800
IKE Diffie-Hellman Group	Selects IKE Diffie-Hellman Group. Choices: Group1, Group2 Default: Group2
IPsec SA Life Time	Specifies the IPsec SA Life Time (in seconds). Range: 120-604800 Default: 3600
Apply button	Applies the configuration settings for this window.

Item	Description
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the <b>Network - TCP/IP - IPsec</b> page.

### *IPsec (IKE Settings)*

Item	Description
No.	Displays the number (No.) to be registered.
Encryption Algorithm	Select the encryption algorithm to be used when creating a control tunnel. Choices: DES-CBC, 3DES-CBC Default: DES-CBC
Authentication Algorithm	Select the authentication algorithm to be used when creating a control tunnel. Choices: MD5, SHA-1 Default: MD5
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the <b>Network - TCP/IP - IPsec</b> page.

### *IPsec (IPsec SA Settings)*

Item	Description
No.	Displays the number (No.) to be registered.
Security Protocol	Select the security protocol. Choices: AH, ESP, ESP & AH Default: AH
Encryption Algorithm for ESP	When <b>ESP</b> is selected for <b>Security Protocol</b> , specify the ESP encryption algorithm. Choices: None, DES-CBC, 3DES-CBC, AES-CBC, AES-CTR Default: None
Authentication Algorithm for ESP	When <b>ESP</b> is selected for <b>Security Protocol</b> , specify the ESP authentication algorithm. Choices: None, MD5, SHA-1 Default: None

Item	Description
Authentication Algorithm for AH	When <b>AH</b> is selected for <b>Security Protocol</b> , specify the AH authentication algorithm. Choices: MD5, SHA-1 Default: MD5
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the <b>Network - TCP/IP - IPsec</b> page.

### *IPsec (IPsec Peer Settings)*

Item	Description
No.	Displays the number (No.) to be registered.
Perfect Forward Secrecy	To increase the IKE strength, select <b>Use</b> . Choices: Not Use, Use Default: Not Use
Peer's Address	Specify the IP address of the peer. Range: 2 to 39 characters
Pre-Shared Key	Specify the Pre-Shared Key text shared with the peer. Range: Up to 64 characters
Encapsulation Mode	Specify the operation mode of IPsec. Choices: Not Use, Tunnel Mode, Transport Mode Default: Not Use
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the <b>Network - TCP/IP - IPsec</b> page.

## Bonjour

Item	Description
Bonjour	Select whether to enable or disable the Bonjour function. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - BONJOUR - ENABLE
Bonjour Name	Specify the Bonjour name for the printer. Range: 1 to 63 characters Default: EPSON AL-C3900 (xx.xx.xx) <b>Note:</b> "xx.xx.xx" refers to the last six digits of the MAC address (in hexadecimal).
Priority Protocol	Specify the connection protocol given priority with Bonjour. Choices: LPD, RAW Port, IPP Default: RAW Port
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.

## WSD

Item	Description
WSD Print	Select whether to enable or disable the WSD print function. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - WSD PRINT - ENABLE
Secure Mode	Select whether or not WSD communication is performed with SSL. Choices: Enable, Disable Default: Disable <b>Note:</b> This item appears only if the SSL/TLS settings are enabled.

Item	Description
Device Name	Displays the device name. Default: EPSON AL-C3900 (xx.xx.xx) <b>Note:</b> Specify the settings from the <b>System - Machine Settings</b> page.
Device Location	Displays the device location. <b>Note:</b> Specify the settings from the <b>System - Machine Settings</b> page.
Device Information	Displays the device information. <b>Note:</b> Specify the settings from the <b>System - Machine Settings</b> page.
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## LLTD

Item	Description
LLTD	Select whether to enable or disable the LLTD function. Choices: Enable, Disable Default: Enable
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

**NetWare***NetWare*

Item		Description
NetWare	NetWare Print	Enables or Disables the NetWare print option. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - NETWARE - ENABLE
	Frame Type	Specifies the Frame Type. Choices: Auto, Ethernet 802.2, Ethernet 802.3, Ethernet II, Ethernet SNAP Default: Auto
	Mode	Specifies the NetWare Configuration mode. Choices: Disable, PServer, NPrinter/RPrinter Default: Disable

Item		Description
PServer	Print Server Name	Sets the Print Server Name for the printer. Range: 1 to 63 characters Default: AL-C3900-xxxxxx <b>Note:</b> xxxxxx displays six last digits of the MAC address in hexadecimal.
	Print Server Password	Sets the Print Server password. Range: Up to 31 characters
	Retype Password	Verifies the new password typed in the Print Server Password text box. Range: Up to 31 characters
	Print Queue Scan Rate	Sets the number of the queue scan interval. Range: 1 - 65535 (Seconds) Default: 1
	Bindery/NDS	Specifies the bindery options. Choices: NDS, Bindery/NDS, Bindery Default: NDS
	Preferred File Server	Sets the Preferred File Server for the printer. Range: Up to 47 characters
	Preferred NDS Context Name	Sets the Preferred NDS Context for the printer. Range: Up to 191 characters
	Preferred NDS Tree Name	Sets the Preferred NDS Tree for the printer. Range: Up to 63 characters
NPrinter/RPrinter	Printer Name	Sets the printer's name. Range: 1 to 63 characters Default: AL-C3900-xxxxxx <b>Note:</b> xxxxxx displays six last digits of the MAC address in hexadecimal.
	Printer Number	Sets the Printer Number. Range: 0 - 255 Default: 255
Apply button		Applies the configuration settings for this window.

Item	Description
Clear button	Resets all configuration settings to previous values.

### NetWare Status

Item	Description
File Server	Identifies current NetWare file server.
Queue Name	Identifies current NetWare queue name.
Queue Status	Identifies current NetWare status.

### IPP

For details on IPP, refer to Chapter 4 “Network Printing” on page 49. In order to apply the settings, the printer must be turned off, then on again after the setting is specified.

Item	Description
IPP Print	Sets whether or not to use IPP. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPP - ENABLE
Accept IPP Job	Sets whether or not to accept IPP Job. Choices: Enable, Disable Default: Enable
Printer Name	Displays the printer's name. Range: Up to 127 characters Default: EPSON_IPP_Printer-xxxxxx <b>Note:</b> Specify the settings from the <b>System - Machine Settings</b> page.
Printer Location	Displays the printer's location. <b>Note:</b> Specify the settings from the <b>System - Machine Settings</b> page.



Item	Description
Printer Information	Displays the printer information. <b>Note:</b> Specify the settings from the <b>System - Machine Settings</b> page.
Printer URI	Displays the printer's Uniform Resource Identifier (URI). <ul style="list-style-type: none"><li><input type="checkbox"/> http://&lt;IP_address&gt;/ipp</li><li><input type="checkbox"/> http://FQDN:/ipp</li><li><input type="checkbox"/> ipp://&lt;IP_address&gt;/ipp</li><li><input type="checkbox"/> ipp://FQDN:/ipp</li><li><input type="checkbox"/> https://&lt;IP_address&gt;/ipp</li><li><input type="checkbox"/> https://FQDN:/ipp</li></ul> <b>Note:</b> "https://[IP_address]/ipp", and "https://FQDN:/ipp" appear only if the SSL/TLS settings are enabled.

Item		Description
Operational Support	Print Job	If this check box is selected, Print Job is enabled. Default: Checked
	Validate Job	If this check box is selected, Validate Job is enabled. Default: Checked
	Cancel Job	If this check box is selected, Cancel Job is enabled. Default: Checked
	Get Job Attributes	If this check box is selected, Get Job Attributes is enabled. Default: Checked
	Get Jobs	If this check box is selected, Get Jobs is enabled. Default: Checked
	Get Print Attributes	If this check box is selected, Get Print Attributes is enabled. Default: Checked
	IPP Authentication	Specifies the authentication method for IPP connections. Choices: None, Requesting-user-name, Basic, Digest Default: Requesting-user-name
	User Name	Specify the user name used with Basic or Digest authentication. Range: 1 to 20 characters Default: user
	Password	Specify the password used with Basic or Digest authentication. Range: 1 to 20 characters Default: pass
Realm	Specify the realm used with Basic or Digest authentication. Range: 1 to 127 characters Default: IPP	
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

**FTP****Server**

Item	Description
FTP Server	Enables or Disables the FTP server. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - FTP - ENABLE
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

**SNMP**

Item	Description
SNMP	SNMP If <b>Enable</b> is selected, SNMP is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SNMP - ENABLE
	SNMP v1/v2c(IP) If <b>Enable</b> is selected, SNMP v1/v2c(IP) is enabled. Choices: Enable, Disable Default: Enable
	SNMP v3(IP) If <b>Enable</b> is selected, SNMP v3(IP) is enabled. Choices: Enable, Disable Default: Enable
	SNMP v1(IPX) If <b>Enable</b> is selected, SNMP v1(IPX) is enabled. Choices: Enable, Disable Default: Enable
	UDP Port Specifies the UDP port number. Range: 1 - 65535 Default: 161

Item		Description
SNMP v1/ v2c(IP)	Read Community Name	Specifies the community name to be used for scanning. Range: 1 to 15 characters Default: public
	Write	If <b>Enable</b> is selected, Write is enabled. Choices: Enable, Disable Default: Enable
	Write Community Name	Specifies the community name to be used for reading and writing. Range: 1 to 15 characters Default: private
SNMP v3	Context Name	Specifies the context name. Range: Up to 63 characters
	Discovery	If <b>Enable</b> is selected, Discovery is enabled. Choices: Enable, Disable Default: Enable
	Discovery User Name	Specifies the user name for detection. Range: 1 to 32 characters Default: public
	Read User Name	Specifies the name of read only user. Range: Up to 32 characters Default: initial <b>Note:</b> The same name specified as the Discovery user name cannot be used.

Item	Description
Read Security Level	<p>Specifies the security level for read only user.</p> <p>Choices: None, Auth-password, Auth-password/Priv-password</p> <p>Default: Auth-password/Priv-password</p>
Read Auth-password	<p>Specifies the read only user authentication password to be used for authentication.</p> <p>Range: 8 to 32 characters</p> <p>Default: AuthPassword</p>
Read Priv-password	<p>Specifies the read only user privacy password to be used for privacy (encryption).</p> <p>Range: 8 to 32 characters</p> <p>Default: PrivPassword</p>
Write User Name	<p>Specifies the reading/writing user name.</p> <p>Range: Up to 32 characters</p> <p>Default: restrict</p> <p><b>Note:</b> The same name specified as the Discovery user name cannot be used.</p>
Write Security Level	<p>Specifies the security level for reading/writing user.</p> <p>Choices: None, Auth-password, Auth-password/Priv-password</p> <p>Default: Auth-password/Priv-password</p>
Write Auth-password	<p>Specifies the reading/writing user authentication password to be used for authentication.</p> <p>Range: 8 to 32 characters</p> <p>Default: &lt;Mac address&gt;(excluding colons)</p>
Write Priv-password	<p>Specifies the reading/writing user privacy password to be used for privacy (encryption).</p> <p>Range: 8 to 32 characters</p> <p>Default: &lt;Mac address&gt;(excluding colons)</p>

Item		Description
Trap Settings	Allow Setting	Specifies whether or not to permit the Trap settings Choices: Allow, Restrict Default: Allow
	Trap Setting When Authentication Fails	Specifies whether to enable or disable the Trap settings when authentication failed. Choices: Enable, Disable Default: Disable
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

## AppleTalk

Item	Description
AppleTalk	If <b>Enable</b> is selected, AppleTalk is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - APPLETALK - ENABLE
Printer Name	Sets the printer name. Range: 1 to 31 characters Default: AL-C3900-xxxxxx <b>Note:</b> xxxxxx displays six last digits of the MAC address in hexadecimals.
Zone Name	Sets the Zone Name. Range: 1 to 31 characters Default: *
Current Zone Name	Identifies the current zone name.
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## Email

### Send Email

Item		Description
Send Email	Send	<p>If <b>Enable</b> is selected, sending Email is enabled.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SMTP - ENABLE</p>
	SMTP Server Address*	<p>Specifies the address of the mail transmission server. An IPv4 or IPv6 address or a host name can be specified.</p> <p>Range: Up to 255 characters</p> <p>Default: 0.0.0.0</p>
	Port Number	<p>Specifies the port number of the mail transmission server.</p> <p>Range: 1 - 65535</p> <p>Default: 25</p>
	Connection Timeout	<p>Specifies the amount of time until the connection times out when sending e-mail.</p> <p>Range: 30 - 300 (seconds)</p> <p>Default: 60</p>
SMTP Authentication	SMTP Authentication	<p>If <b>Enable</b> is selected, SMTP server authentication is enabled.</p> <p>Choices: Enable, Disable</p> <p>Default: Disable</p>
	Account	<p>Specify the account name used with SMTP authentication.</p> <p>Range: Up to 255 characters</p>
	Password	<p>Specify the password used with SMTP authentication.</p> <p>Range: Up to 128 characters</p>
	Realm	<p>Specify the realm used with Digest-MD5 authentication.</p> <p>Range: Up to 255 characters</p>
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

\* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.

## SSL/TLS

### SSL/TLS Information

**Note:**

As a default, SSL/TLS is not installed. Click **Setting** to create a certificate and specify the SSL settings.

Item	Description
Setting button	Displays the <b>SSL/TLS Setting</b> page.

### SSL/TLS Setting (When a certificate is not installed)

Item	Description
Create a Self-signed Certificate	Creates a self-signed certificate.
Request a Certificate	Creates data for requesting that a certificate be issued from a certificate authority.
Install a Certificate	Installs the certificate issued by the certificate authority.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

### SSL/TLS Setting (When a certificate is installed)

Item	Description
Set a Encryption Strength	Specifies the encryption level. In addition, SSL/TLS can be disabled.
Remove a Certificate	Removes the certificate.
Mode Using SSL/TLS	Specifies the SSL transmission mode.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.



*Self-signed Certificate Setting*

Item	Description
Common Name	<p>Identifies the Common Name for the printer, to be used in creation of an SSL Certificate. It is comprised of "Printer Host Name. DNS Server". If DNS Server is un-available, only the host name is used as Common Name.</p> <p><b>Note:</b> This text is read-only.</p>
Organization	<p>Specify the name of the group or organization.</p> <p>Range: 1 to 63 characters</p>
Organization Unit	<p>Specify the name of the post.</p> <p>Range: 1 to 63 characters</p>
Locality	<p>Specify the name of the municipality.</p> <p>Range: 1 to 127 characters</p>
State/Province	<p>Specify the name of the state or province.</p> <p>Range: 1 to 127 characters</p>
Country	<p>Specify the name of the country as a country code regulated by ISO03166.</p> <p>Range: 2 characters</p>
Email Address	<p>Specify the e-mail address.</p> <p>Range: 1 to 127 characters</p>
Validity Start Date	<p>Displays the current time.</p>
Validity Period	<p>Specify the period of validity.</p> <p>Range: 1 - 3650 (day)</p> <p>Default: 1</p>
Encryption Strength	<p>Specify the encryption level.</p> <p>Choices:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</li> <li><input type="checkbox"/> 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</li> <li><input type="checkbox"/> RC4_128bits, DES_56bits or RC4_40bits</li> </ul> <p>Default: AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</p>
Create button	<p>Creates the self-signed certificate.</p> <p><b>Note:</b> A few minutes are needed in order to create the certificate.</p>
Back button	<p>Click to return to the <b>Network - SSL/TLS - SSL/TLS Setting</b> page.</p>

Item	Description
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

### *Request a Certificate*

Item	Description
Common Name	Identifies the Common Name for the printer, to be used in creation of an SSL Certificate. It is comprised of "Printer Host Name. DNS Server". If DNS Server is un-available, only the host name is used as Common Name.  <b>Note:</b> This text is read-only.
Organization	Specifies the name of the group or organization. Range: 1 to 63 characters
Organization Unit	Specifies the name of the post. Range: 1 to 63 characters
Locality	Specifies the name of the municipality. Range: 1 to 127 characters
State/Province	Specifies the name of the state or province. Range: 1 to 127 characters
Country	Specify the name of the country as a country code regulated by ISO03166. Range: 2 characters
Email Address	Specify the e-mail address. Range: 1 to 127 characters
Next button	Click to create data for requesting that a certificate be issued.
Back button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

### Certificate Request

Item	Description
Certificate Request	Displays the data that should be submitted to the certificate signing authority. This is called CSR (Certificate Signing Request). This data is to be submitted to the certificate signing authority by the user.
Save button	Click to save the data for requesting the certificate with the specified name.
OK button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

### Install a Certificate

Item	Description
Install a Certificate	Signed CSR (Certificate Signing Request) should be pasted to this text area.
Next button	Click to display the <b>Network - SSL/TLS - Encryption Strength Setting</b> page.
Back button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

### Encryption Strength Setting

**Note:**

*This menu item appears if a certificate is installed.*

Item	Description
Encryption Strength	Specify the encryption level. Choices: <input type="checkbox"/> AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits <input type="checkbox"/> 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits <input type="checkbox"/> RC4_128bits, DES_56bits or RC4_40bits Default: AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits
Create button	Click to specify the encryption level.  If the <b>Network - SSL/TLS - Install a Certificate</b> page was previously displayed, the certificate is installed.
Back button	Returns to the previous screen.
Cancel button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

## Remove a Certificate

**Note:**

*This menu item appears if a certificate is installed.*

Item	Description
OK button	Click to display a confirmation message. Click <b>OK</b> in the confirmation message to delete the certificate.
Back button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

## Mode Using SSL/TLS

**Note:**

*This menu item appears if a certificate is installed.*

Item	Description
Mode Using SSL/TLS	Selects the SSL transmission mode. Choice: Disable, Enable Default: Disable
Apply button	Click to apply the setting specified beside "Mode Using SSL/TLS".
Clear button	Resets all configuration settings to previous values.
Back button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

## Authentication

### User Authentication

**Note:**

- This page appears only if an optional hard disk drive is installed.*
- When **User Authentication** or **Account Track** is set to **On** and **Public Access** is set to **Restrict** on this page, printing is not possible except from a host where authentication settings can be specified (Windows printer driver). In addition, resources (fonts, color profiles and form overlays) can no longer be downloaded and firmware can no longer be updated.*

<b>Item</b>	<b>Description</b>
User Authentication	Select whether or not user authentication is performed. Choices: On, Off Default: Off
Public Access	Select whether or not logon as a Public user is permitted when authentication settings have been specified. Choices: Allow, Restrict Default: Allow
Account Track	Select whether or not account authentication is performed. Choices: On, Off Default: Off
Account Track Method	Specify the account track authentication method. Choices: Account Name & Password, Password Only Default: Account Name & Password
Synchronize User Authentication & Account Track	Select whether or not user authentication and account track settings are to be synchronized. Choices: Synchronize, Do Not Synchronize Default: Synchronize
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

### ***Auto Logout***

<b>Item</b>	<b>Description</b>
Admin Mode Logout Time	Specify the length of time to automatically log off from Administrator mode. Range: 1 - 60 (Minutes) Default: 10
User Mode Logout Time	Specify the length of time to automatically log off from User Mode. Range: 1 - 60 (Minutes) Default: 60
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

*IEEE802.1x*

Item	Description
IEEE802.1x	<p>Select whether to enable or disable the IEEE802.1x function.</p> <p>Choices: Enable, Disable</p> <p>Default: Disable</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - IEEE802.1X - ENABLE</p>
EAP Type	<p>Select the type of authentication used with IEEE802.1x.</p> <p>Choices: None, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP, Server Specification</p> <p>Default: None</p>
User ID	<p>Specifies the account name, when <b>EAP Type</b> is set to <b>EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP</b> or <b>Server Specification</b>.</p> <p>Range: Up to 128 characters</p>
Password	<p>Specifies the password, when <b>EAP Type</b> is set to <b>EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP</b> or <b>Server Specification</b>.</p> <p>Range: Up to 128 characters</p>
TTLS Anonymous Name	<p>Specify the logon name used with EAP-TTLS primary authentication. Specifies the TTLS anonymous name, when <b>EAP Type</b> is set to <b>EAP-TTLS</b> or <b>Server Specification</b>.</p> <p>Range: Up to 128 characters</p> <p>Default: anonymous</p> <p><b>Note:</b> If <b>EAP Type</b> is set to <b>Server Specification</b> while the actual authentication method is EAP-MD5, type in the same name as the User ID.</p>
TTLS Authentication Type	<p>Specify the EAP-TTLS phase 2 authentication procedure. Specifies the TTLS anonymous type, when <b>EAP Type</b> is set to <b>EAP-TTLS</b> or <b>Server Specification</b>.</p> <p>Choices: PAP, MS-CHAP, MS-CHAPv2</p> <p>Default: MS-CHAPv2</p>
Server Certificate Check	<p>Specify the items where the server certificate is verified. Specifies the server certificate check, when <b>EAP Type</b> is set to <b>EAP-TLS, EAP-TTLS</b> or <b>PEAP</b>.</p> <p>Choices: Validity, CA Chain, Server ID</p> <p>Default: Validity</p>

Item	Description
Send Client Certificate	Select whether or not the client certificate is sent when the client certificate is requested by the server. Specifies the send client certificate, when <b>EAP Type</b> is set to <b>EAP-TTLS</b> or <b>PEAP</b> . Choices: Enable, Disable Default: Disable
Client Certificate	Shows whether or not a client certificate has been specified. <b>Note:</b> Specify the settings from the <b>Network - SSL/TLS</b> page.
CA Certificate	Shows whether or not a CA certificate has been specified for CA reliability verification of server certificates. <b>Note:</b> Specify the settings from the <b>Network - Authentication - CA Certificate</b> page.
Server ID	Specify the characters for verification through backward matching with the CN attributes of the server certificate. Specifies the server ID, when <b>EAP Type</b> is set to <b>EAP-TLS</b> , <b>EAP-TTLS</b> , or <b>PEAP</b> . Range: Up to 64 characters
Encryption Strength	Specify the encryption level of TLS packets with EAP-TLS/TTLS/PEAP. Specifies the encryption strength, when <b>EAP Type</b> is set to <b>EAP-TLS</b> , <b>EAP-TTLS</b> , or <b>PEAP</b> . Choices: Low, Medium, High Default: Low
Limit Time of Network Stop	Specify the length of time to postpone stopping the network when authentication fails from the start of authentication. Range: 0, 60 - 255 (seconds) Default: 0
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## CA Certificate

### CA Certificate Information

**Note:**

As a default, CA Certificate is not installed. Click **Setting** to create a certificate and specify the CA Certificate settings.

Item	Description
Setting button	Displays the <b>CA Certificate Settings</b> page.

### *CA Certificate Settings (When a certificate is installed)*

Item	Description
Remove a Certificate	Removes the certificate.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the <b>Network - Authentication - CA Certificate - CA Certificate Information</b> page.

### *CA Certificate Settings (When a certificate is not installed)*

Item	Description
Install a Certificate	Installs the certificate issued by the certificate authority.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the <b>Network - Authentication - CA Certificate - CA Certificate Information</b> page.

### *Install a Certificate*

Item	Description
Install a Certificate	Signed CSR (Certificate Signing Request) should be pasted to this text area.
Next button	Click to display the <b>Network - Authentication - CA Certificate - Install a Certificate</b> page.
Back button	Click to return to the <b>Network - Authentication - CA Certificate - CA Certificate Settings</b> page.
Cancel button	Click to cancel the entered data and return to the <b>Network - Authentication - CA Certificate - CA Certificate Information</b> page.

### *Remove a Certificate*

Item	Description
OK button	Click to display a confirmation message. Click <b>OK</b> in the confirmation message to delete the certificate.



Item	Description
Back button	Click to return to the <b>Network - Authentication - CA Certificate - CA Certificate Settings</b> page.
Cancel button	Click to return to the <b>Network - Authentication - CA Certificate - CA Certificate Information</b> page.

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