EPSON
EXCEED YOUR VISION

WorkForce Enterprise
WF-C20590

Administrator's Guide

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About this Manual

Marks and Symbols

> ⚠️ *Caution:*
>
> *Instructions that must be followed carefully to avoid bodily injury.*

> ❗ *Important:*
>
> *Instructions that must be observed to avoid damage to your equipment.*

Note:
Instructions containing useful tips and restrictions on printer operation.

Related Information

➡ Clicking this icon takes you to related information.

Descriptions Used in this Manual

❑ Screenshots of the printer driver and the Epson Scan 2 (scanner driver) screens are from Windows 10 or OS X El Capitan. The content displayed on the screens varies depending on the model and situation.

❑ Illustrations used in this manual are examples only. Although there may be slight differences depending on the model, the method of operation is the same.

❑ Some of the menu items on the LCD screen vary depending on the model and settings.

Operating System References

Windows

In this manual, terms such as "Windows 10", "Windows 8.1", "Windows 8", "Windows 7", "Windows Vista", "Windows XP", Windows Server 2016, "Windows Server 2012 R2", "Windows Server 2012", "Windows Server 2008 R2", "Windows Server 2008", "Windows Server 2003 R2", and "Windows Server 2003" refer to the following operating systems. Additionally, "Windows" is used to refer to all versions.

❑ Microsoft® Windows® 10 operating system

❑ Microsoft® Windows® 8.1 operating system

❑ Microsoft® Windows® 8 operating system

❑ Microsoft® Windows® 7 operating system

❑ Microsoft® Windows Vista® operating system

❑ Microsoft® Windows® XP operating system

❑ Microsoft® Windows® XP Professional x64 Edition operating system

About this Manual

❏ Microsoft® Windows Server® 2016 operating system

❏ Microsoft® Windows Server® 2012 R2 operating system

❏ Microsoft® Windows Server® 2012 operating system

❏ Microsoft® Windows Server® 2008 R2 operating system

❏ Microsoft® Windows Server® 2008 operating system

❏ Microsoft® Windows Server® 2003 R2 operating system

❏ Microsoft® Windows Server® 2003 operating system

Mac OS

In this manual, "Mac OS" is used to refer to macOS Sierra, OS X El Capitan, OS X Yosemite, OS X Mavericks, OS X Mountain Lion, Mac OS X v10.7.x, and Mac OS X v10.6.8.

Introduction

Manual Component

This manual is for the device administrator who is in charge of connecting the printer or scanner to the network and it contains information on how to make settings to use the functions.

See the *User's Guide* for function usage information.

Preparation

Explains the administrator's tasks, how to set devices, and the software for managing.

Connection

Explains how to connect a device to the network or phone line. It also explains the network environment, such as using a port for the device, DNS and proxy server information.

Function Settings

Explains the settings for each function, such as printing, scanning, and faxing.

Product Security Settings

Explains the basic security settings, such as administrator password settings and protocol control.

Operation and Management Settings

Explains the operations after beginning use of devices, such as information check and maintenance.

Solving Problems

Explains settings initialization and troubleshooting of the network.

Advanced Security Settings for Enterprise

Explains the settings method to enhance the device's security, such as using CA certificate, SSL/TLS communication, and IPsec/IP Filtering.

Depending on the model, some functions in this chapter are not supported.

Definitions of Terms Used in this Guide

The following terms are used in this guide.

Administrator

The person in charge of installing and setting the device or the network at an office or organization. For small organizations, this person may be in charge of both device and network administration. For large organizations, administrators have authority over the network or devices on the group unit of a department or division, and network administrators are in charge of the communication settings for beyond the organization, such as the Internet.

Introduction

Network administrator

The person in charge of controlling network communication. The person who set up the router, proxy server, DNS server and mail server to control communication through the Internet or network.

User

The person who uses devices such as printers or scanners.

Server / client connection (printer sharing using the Windows server)

The connection that indicates the printer is connected to the Windows server through the network or by USB cable, and the print queue set on the server can be shared. Communication between the printer and the computer goes through the server, and the printer is controlled on the server.

Peer to peer connection (direct printing)

The connection that indicates the printer and the computer are connected to the network through the hub or access point, and the print job can be executed directly from the computer.

Web Config(device's web page)

The web server that is built into the device. It is called Web Config. You can check and change the device's status on it using the browser.

Print queue

For Windows, the icon for each port displayed on **Device and Printer** such as a printer or scanner. Two or more icons are created even for a single device if the device is connected to the network by two or more ports, such as standard TCP/IP and WSD network.

Tool

A generic term for software to setup or manage a device, such as Epson Device Admin, EpsonNet Config, EpsonNet SetupManager, etc.

Push scan

A generic term for scanning from the device's control panel. By using this function, the scanning result is saved to a folder, attached to an email, or saved to a cloud service.

ASCII (American Standard Code for Information Interchange)

One of the standard character codes. 128 characters are defined, including such characters as the alphabet (a-z, A-Z), Arabic numbers (0-9), symbols, blank characters, and control characters. When "ASCII" is described in this guide, it indicates the 0x20 - 0x7E (hex number) listed below, and does not involve control characters.

SP*	!	"	#	$	%	&	'	(	)	*	+	,	-	.	/
0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
p	q	r	s	t	u	v	w	x	y	z	{			}	~	

Introduction

*   Space character.

Unicode (UTF-8)

An international standard code, covering the major global languages. When "UTF-8" is described in this guide, it indicates coding characters in UTF-8 format.

Preparation

This chapter explains the role of the administrator and preparation before making settings.

Flow of the Printer Settings and Management

The administrator makes the network connection settings, initial setup and maintenance for the printer or the scanner so they can be available to users.

1. Preparing
   - ❏ Collecting the connection setting information
   - ❏ Decision on the connection method

2. Connecting
   - ❏ Network connection from the printer's control panel
   - ❏ Connection to the phone line

3. Setting up the functions
   - ❏ Printer driver settings
   - ❏ Scanner driver settings
   - ❏ Fax settings
   - ❏ Registration to the contacts
   - ❏ Wi-Fi Direct (Simple AP) connection
   - ❏ Other advanced settings
   - ❏ Cloud services

4. Security settings
   - ❏ Administrator settings
   - ❏ Access control settings
   - ❏ SSL/TLS
   - ❏ Protocol control
   - ❏ Advanced security settings (Option)

5. Operating and managing
   - ❏ Checking the device status
   - ❏ Handling for events emergence
   - ❏ Backup the device settings

Related Information

Preparation

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Example of Network Environment
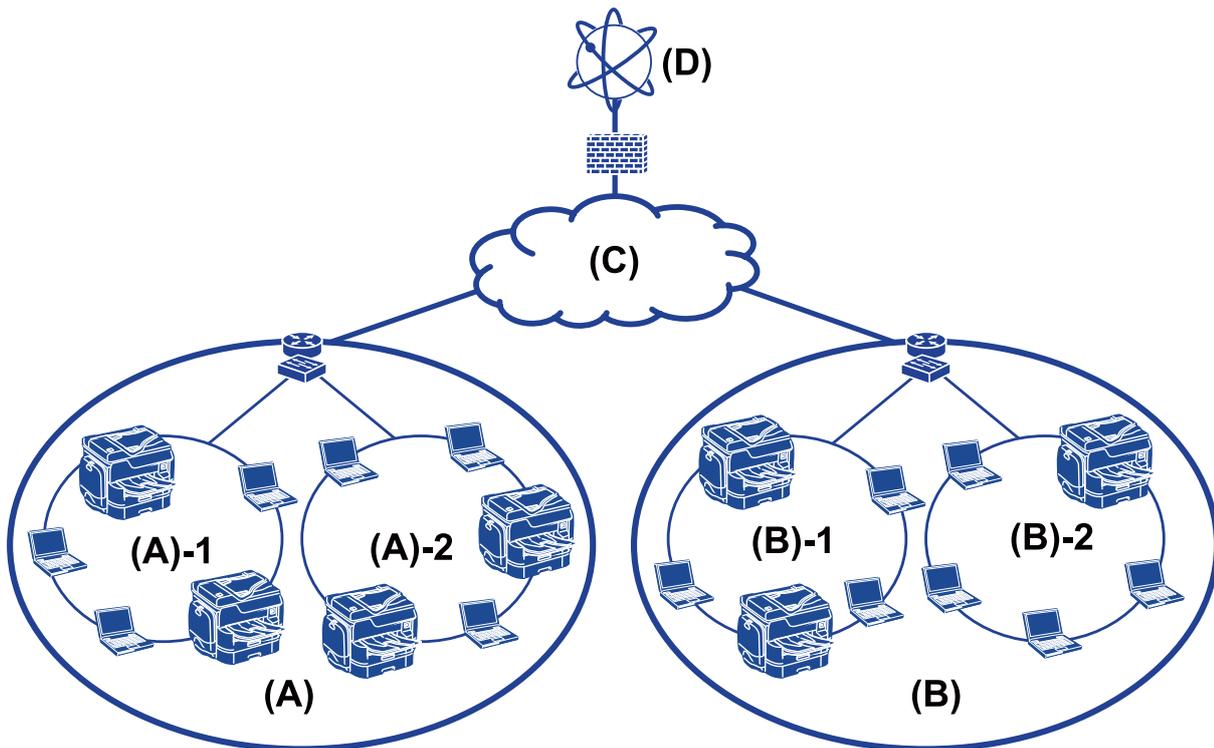
(A) : Office 1

❑ (A) - 1 : LAN 1

❑ (A) - 2 : LAN 2

(B) : Office 2

❑ (B) - 1 : LAN 1

❑ (B) - 2 : LAN 2

(C) : WAN

(D) : Internet

Introduction of Printer Connection Settings

The following two methods are available for the printer's network connection. The printer is connected to the network directly by both methods.

❑ Server / client connection (printer sharing using the Windows server)

❑ Peer to peer connection (direct printing)

Preparation

Related Information

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Server / Client Connection Settings

Connection method:

Connect the printer to the network via hub or access point.

You can also connect the printer to the server directly by USB cable.

Printer driver:

Install the printer driver on the Windows server depending on the OS of the client computers.

By accessing the Windows server and linking the printer, the printer driver is installed on the client computer and can be used.

Features:

❑ Manage the printer and the printer driver in batch.

❑ Depending on the server spec, it may take time to start the print job because all print jobs go through the print server.

❑ You cannot print when the Windows server is turned off.

Related Information

➡

Peer to Peer Connection Settings

Connection method:

Connect the printer to the network directly via hub or access point.

Printer driver:

Install the printer driver on each client computer.

It can be delivered as a package by using EpsonNet SetupManager or automatically by using the Group Policy of the Windows server.

Features:

❑ The print job starts immediately because the print job is sent to the printer directly.

❑ You can print as long as the printer runs.

Related Information

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Preparing Connection to a Network

Gathering Information on the Connection Setting

You need to have an IP address, gateway address, etc. for network connection. Check the following in advance.

Divisions	Items	Note
Device connection method	❏ Ethernet ❏ Wi-Fi	Use a category 5e or higher STP (Shielded Twisted Pair) cable for Ethernet connection.
LAN connection information	❏ IP address ❏ Subnet mask ❏ Default gateway	If you automatically set the IP address using the DHCP function of the router, it is not required.
Wi-Fi connection information	❏ SSID ❏ Password	The following are supported: ❏ Compliance: 802.11b/g/n ❏ Wi-Fi security: WEP (64/128 bit) ❏ WPA-2PSK (AES), WPA2-Enterprise
DNS server information	❏ IP address for primary DNS ❏ IP address for secondary DNS	If you use a static IP address as the IP address, configure the DNS server. Configure when assigning automatically using the DHCP function and when the DNS server cannot be assigned automatically.
Proxy server information	❏ Proxy server name ❏ Port number	Configure when using a proxy server for Internet connection and when using the Epson Connect service or the firmware's automatic update function.

Printer Specifications

The specification that the printer supports standard or connection mode, see the *User's Guide*.

Using Port Number

See "Appendix" for the port number that the printer uses.

Related Information

➡

Type of IP Address Assignment

There are two types for assigning an IP address to the printer.

Static IP address:

Assign the predetermined unique IP address to the printer.

Preparation

The IP address is not changed even when turning the printer or router off, so you can manage the device by IP address.

This type is suitable for a network where many printers are managed, such as a large office or school.

Automatic assignment by DHCP function:

The correct IP address is automatically assigned when the communication between the printer and router that supports the DHCP function succeeds.

If it is inconvenient to change the IP address for a particular device, reserve the IP address in advance and then assign it.

Note:
For the port for the print queue, select the protocol that can automatically detect the IP address, such as EpsonNet Print Port.

DNS Server and Proxy Server

If you use an Internet connection service, configure the DNS server. If you do not configure it, you need to specify the IP address for accessing because you may fail the name resolution.

The proxy server is placed at the gateway between the network and the Internet, and it communicates to the computer, printer, and Internet (opposite server) on behalf of each of them. The opposite server communicates only to the proxy server. Therefore, printer information such as the IP address and port number cannot be read and increased security is expected.

You can prohibit access to a specific URL by using the filtering function, as the proxy server is able to check the contents of the communication.

Method for Setting Network Connection

For connection settings for the printer's IP address, subnet mask, and default gateway, proceed as follows.

Using the Control Panel:

Configure the settings using the printer's control panel for each printer. Connect to the network after configuring the printer's connection settings.

Using the Installer:

If the installer is used, the printer's network and client computer are set automatically. The setting is available by following the installer's instructions, even if you do not have deep knowledge of the network. This is recommended when setting the printer and a few client computers by using the server/client connection (sharing the printer using the Windows server)

Using a Tool:

Use a tool from the administrator's computer. You can discover a printer and then set the printer, or create an SYLK file to make batch settings to printers. You can set many printers, but they need to be connected physically by the Ethernet cable before setting. Therefore, this is recommended if you can build an Ethernet for the setting.

Related Information

Preparation

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Connection

This chapter explains the environment or procedure to connect the printer to the network.

Connecting to the Network

Connecting to the Network from the Control Panel

Connect the printer to the network by using the printer's control panel.

For the printer's control panel, see the *User's Guide* for more details.

Assigning the IP Address

Set up the basic items such as IP Address, Subnet Mask, and Default Gateway.

1. Turn on the printer.

2. Tap **Settings** on the home screen on the printer's control panel.
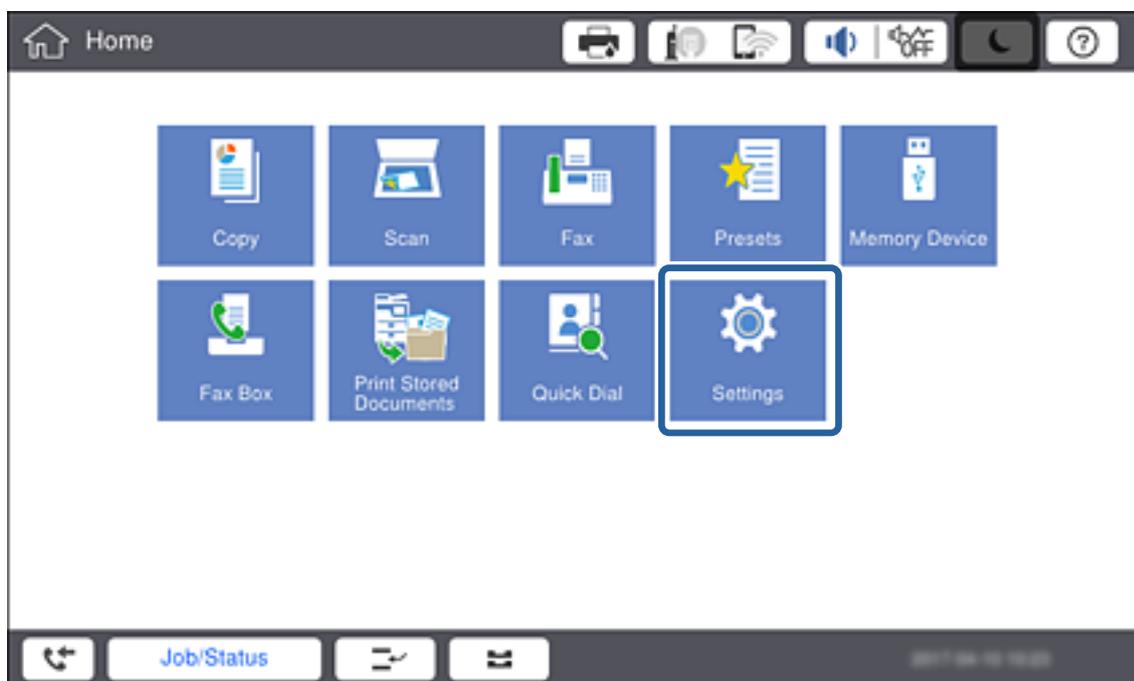
3. Tap **General Settings** > **Network Settings** > **Advanced**.

Connection

4. Tap **TCP/IP**.
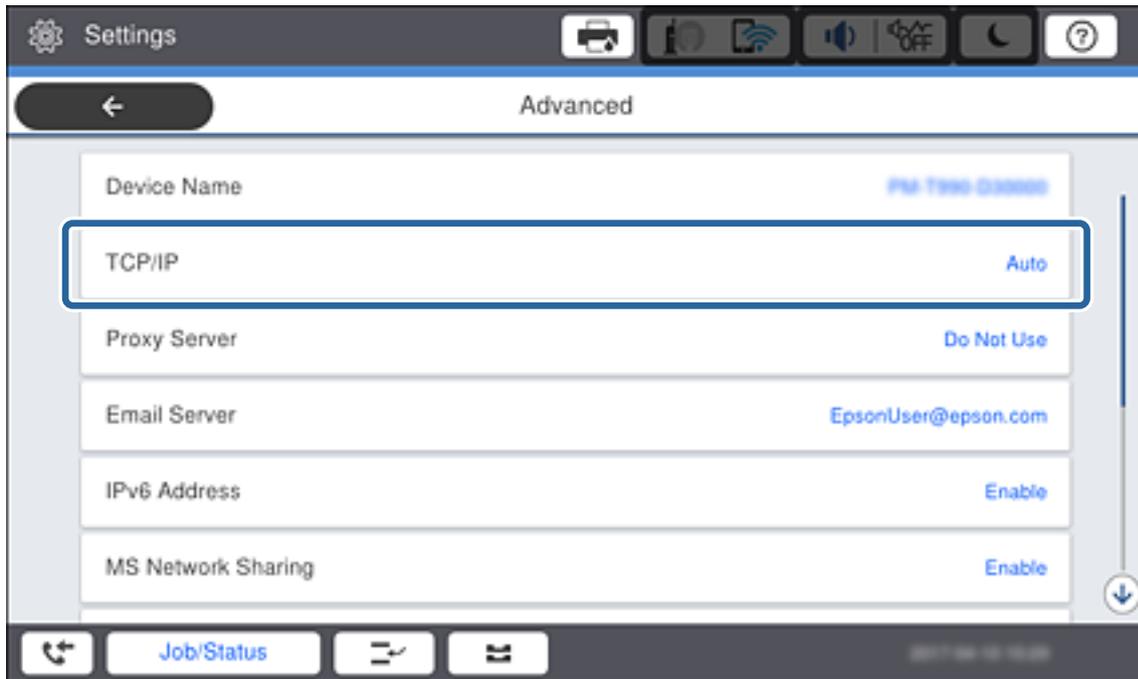
5. Select **Manual** for **Obtain IP Address**.
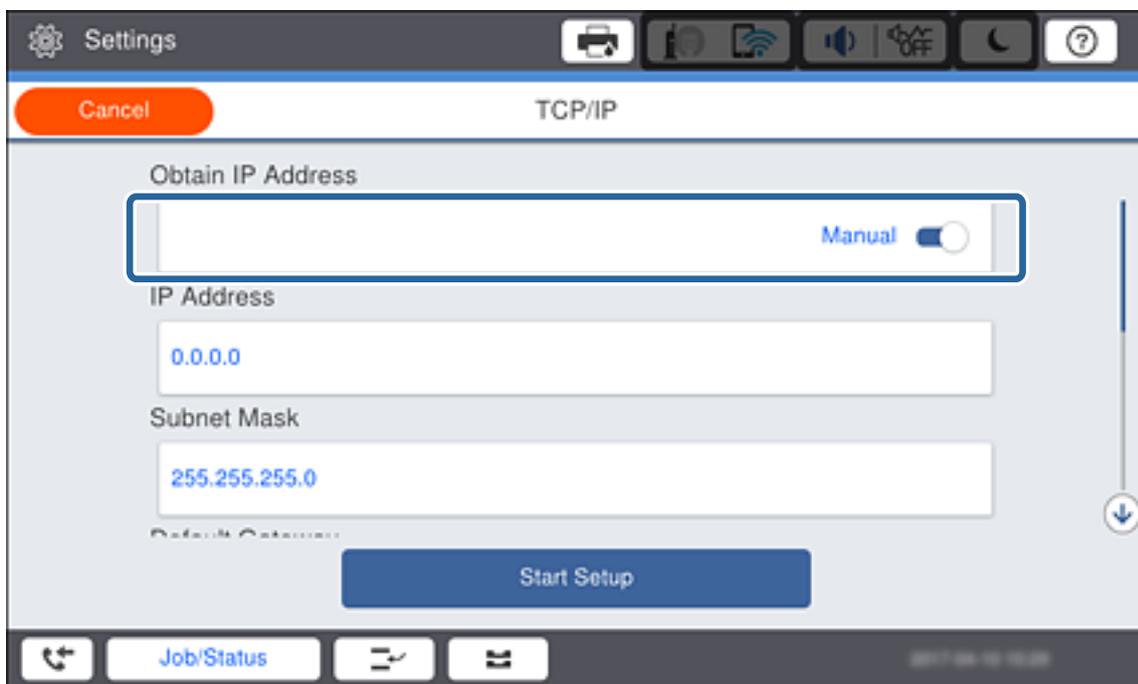
Note:
*When you set the IP address automatically by using the DHCP function of router, select **Auto**. In that case, the **IP Address**, **Subnet Mask**, and **Default Gateway** on step 6 to 7 are also set automatically, so go to step 8.*

6. Tap the **IP Address** field, enter the IP address using the keyboard displayed on the screen, and then tap **OK**.
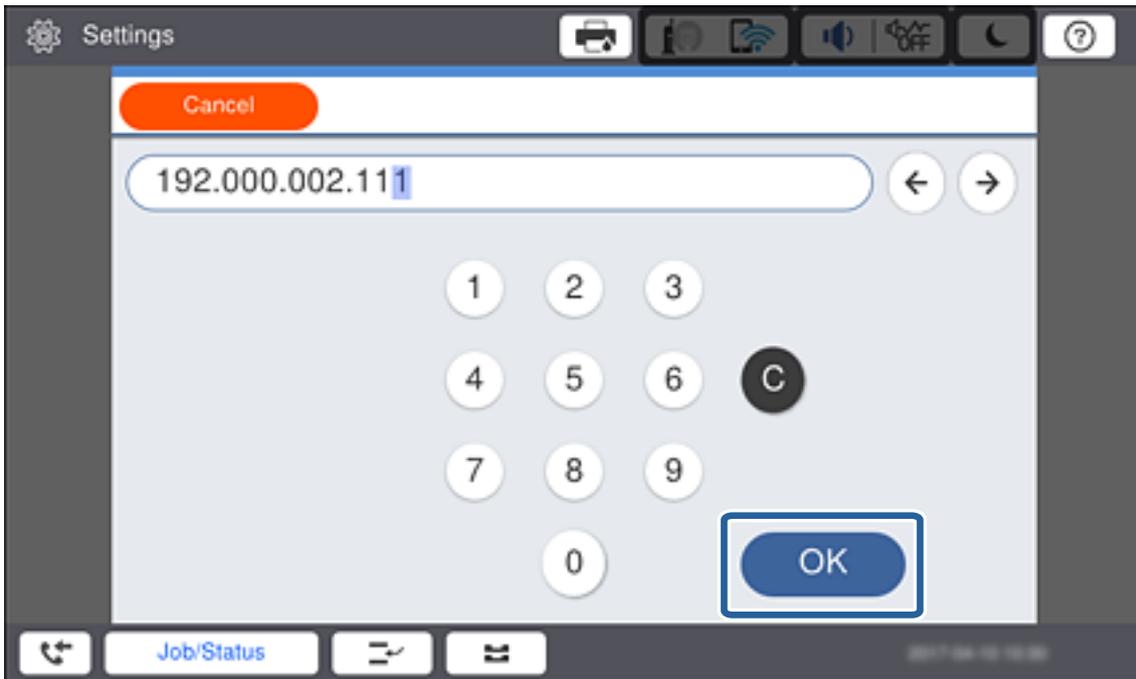
Confirm the value reflected on the previous screen.

7. Set up the **Subnet Mask** and **Default Gateway**.

Confirm the value reflected on the previous screen.

Note:
*If the combination of the IP Address, Subnet Mask and Default Gateway is incorrect, **Start Setup** is inactive and cannot proceed with the settings. Confirm that there is no error in the entry.*

8. Tap the **Primary DNS** field for the **DNS Server**, enter the IP address for the primary DNS server using the keyboard displayed on the screen, and then tap **OK**.

Confirm the value reflected on the previous screen.

Note:
*When you select **Auto** for the IP address assignment settings, you can select the DNS server settings from **Manual** or **Auto**. If you cannot obtain the DNS server address automatically, select **Manual** and enter the DNS server address. Then, enter the secondary DNS server address directly. If you select **Auto**, go to step 10.*

9. Tap the **Secondary DNS** field, enter the IP address for the secondary DNS server using the keyboard displayed on the screen, and then tap **OK**.

Confirm the value reflected on the previous screen.

10. Tap **Start Setup**.

11. Tap **Close** on the confirmation screen.

Setting the Proxy Server

If you have built a proxy server in your network environment, set up the proxy server.

Connection

1. Tap **Settings** on the home screen.

   Note:
   *When making settings after IP address setting, the **Advanced** screen is displayed. Go to step 3.*
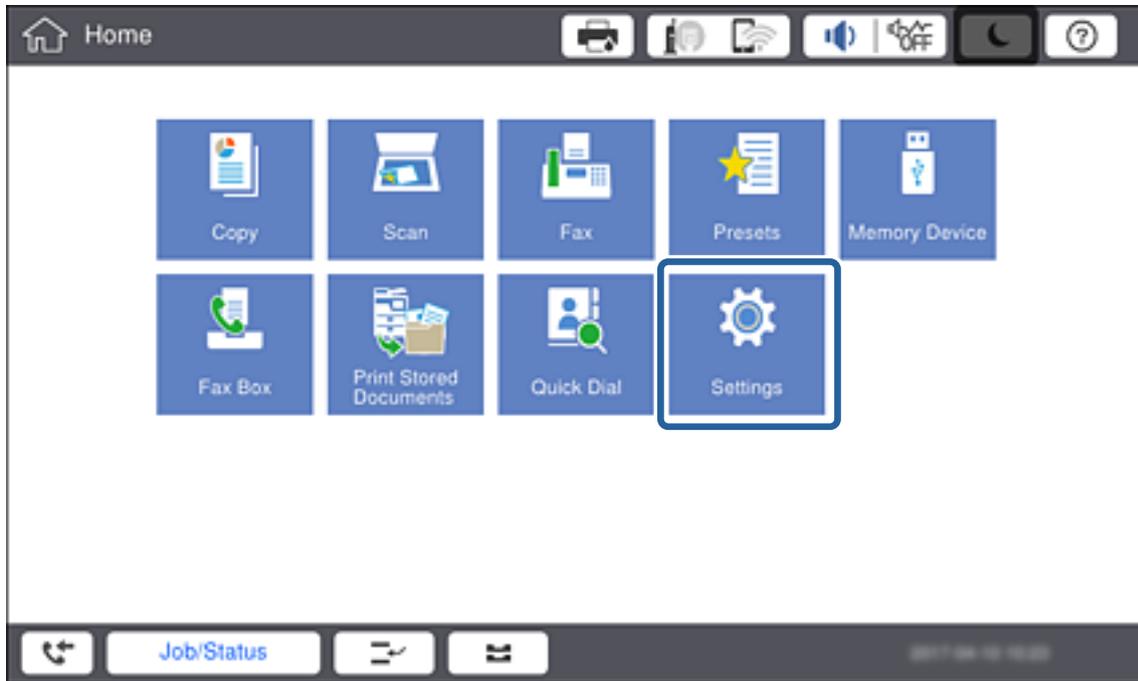
2. Tap **General Settings** > **Network Settings** > **Advanced**.

3. Tap **Proxy Server**.
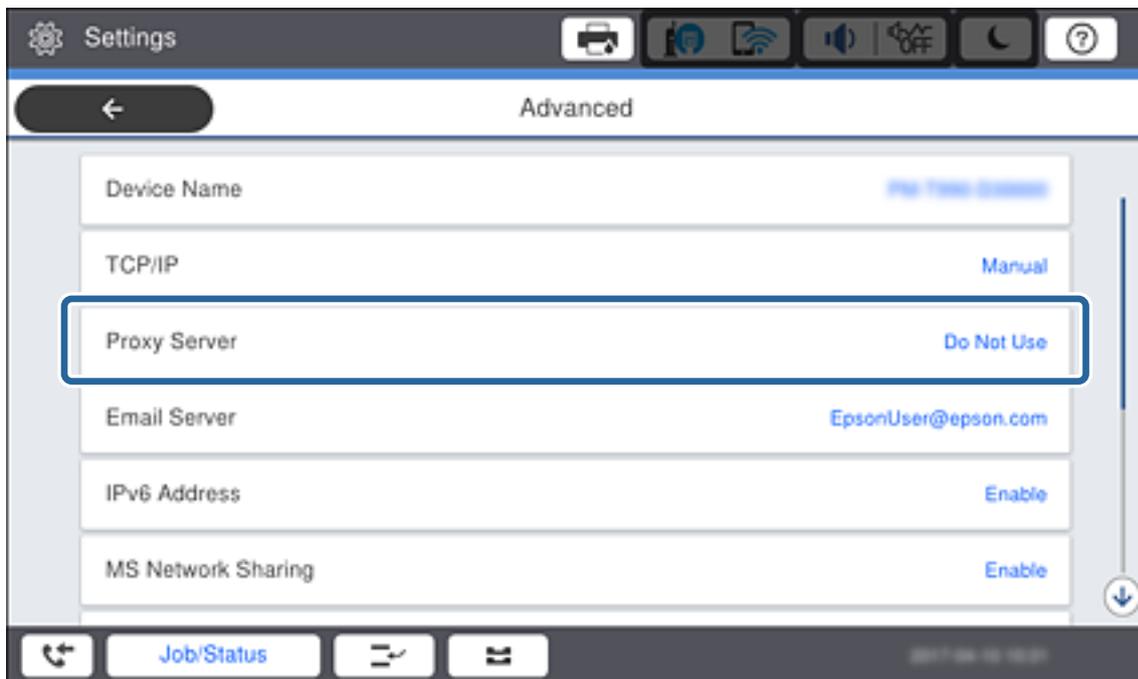
Connection

4. Select **Use** for **Proxy Server Settings**.
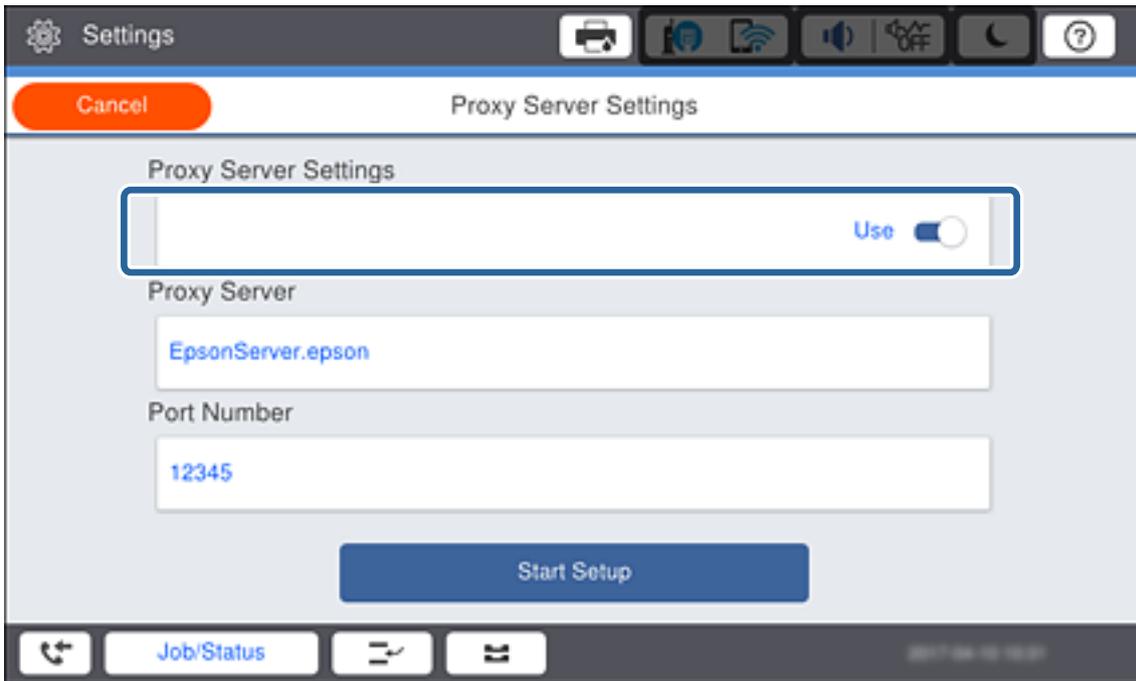
5. Tap the **Proxy Server** field, enter the address for the proxy server by IPv4 or FQDN format using the keyboard displayed on the screen, and then tap **OK**.
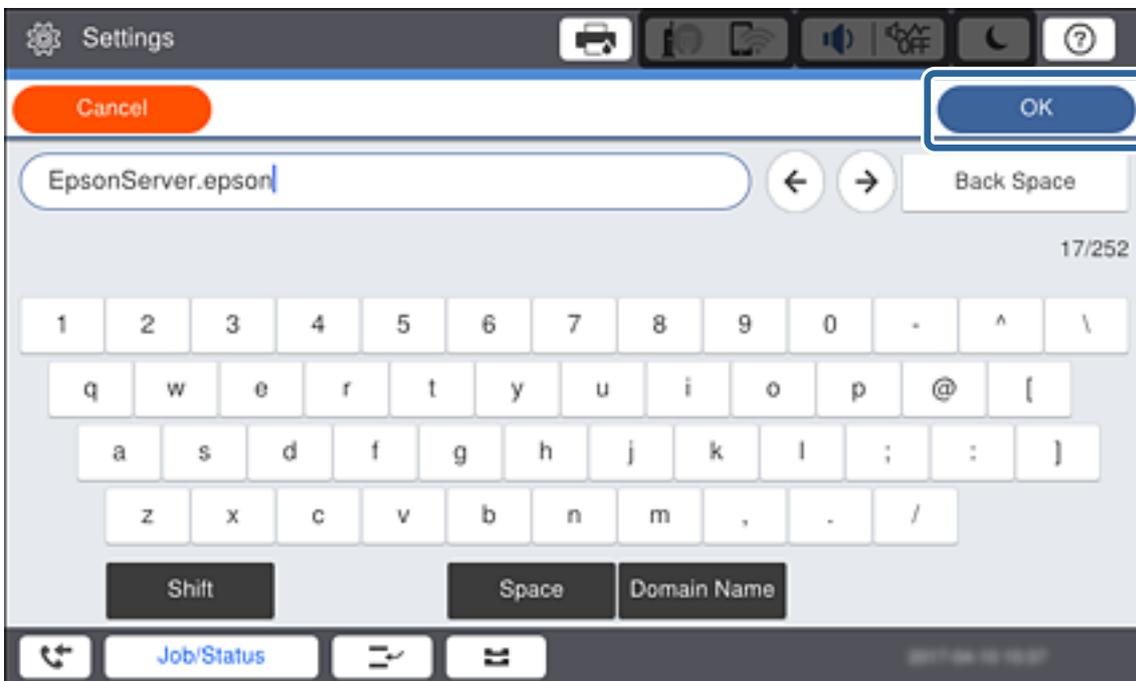
Confirm the value reflected on the previous screen.

6. Tap the **Port Number** field, enter the port number for the proxy server using the keyboard displayed on the screen, and then tap **OK**.

Confirm the value reflected on the previous screen.

7. Tap **Start Setup**.

8. Tap **Close** after the confirmation screen.

Connecting to LAN

Connect the printer to the network by Ethernet or Wi-Fi.

Related Information

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Connecting to Ethernet

Connect the printer to the network by using the Ethernet cable, and check the connection.

1. Connect the printer and hub (L2 switch) by Ethernet cable.

2. Tap **Settings** on the home screen.
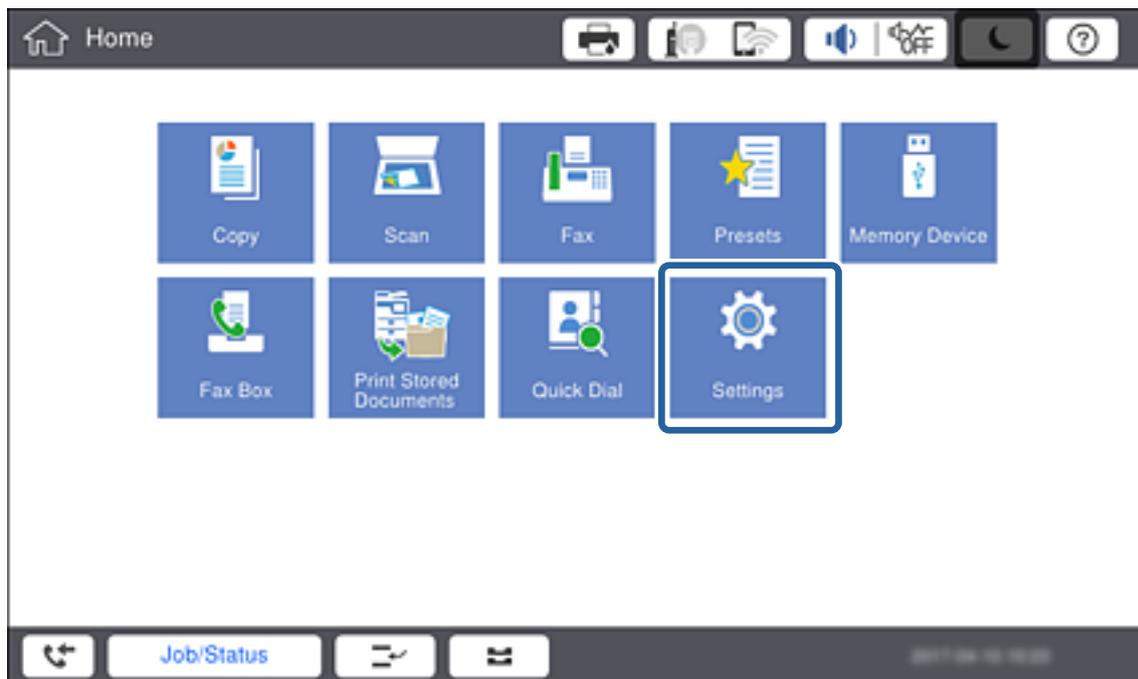
3. Tap **General Settings** > **Network Settings**.

4. Tap **Connection Check**.

   The connection diagnosis result is displayed. Confirm the connection is correct.

5. Tap **OK**.

   Note:
   *When you tap **Print Check Report**, you can print the diagnosis result. Follow the on-screen instructions to print it.*

<div align="center">**Connection**</div>

Related Information

➡

Making Wi-Fi Settings Manually from the Control Panel

You can manually set up the information necessary to connect to an access point from the printer's control panel. To set up manually, you need the SSID and password for an access point.

When the access point supports WPS, you can automatically make the Wi-Fi connection settings by using the push button or PIN code, without using the SSID and password.

Note:
If you are using an access point with its default settings, the SSID and password are on the label. If you do not know the SSID and password, contact the person who set up the access point, or see the documentation provided with the access point.
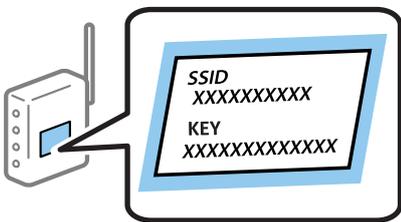
1. Tap   on the printer's control panel.
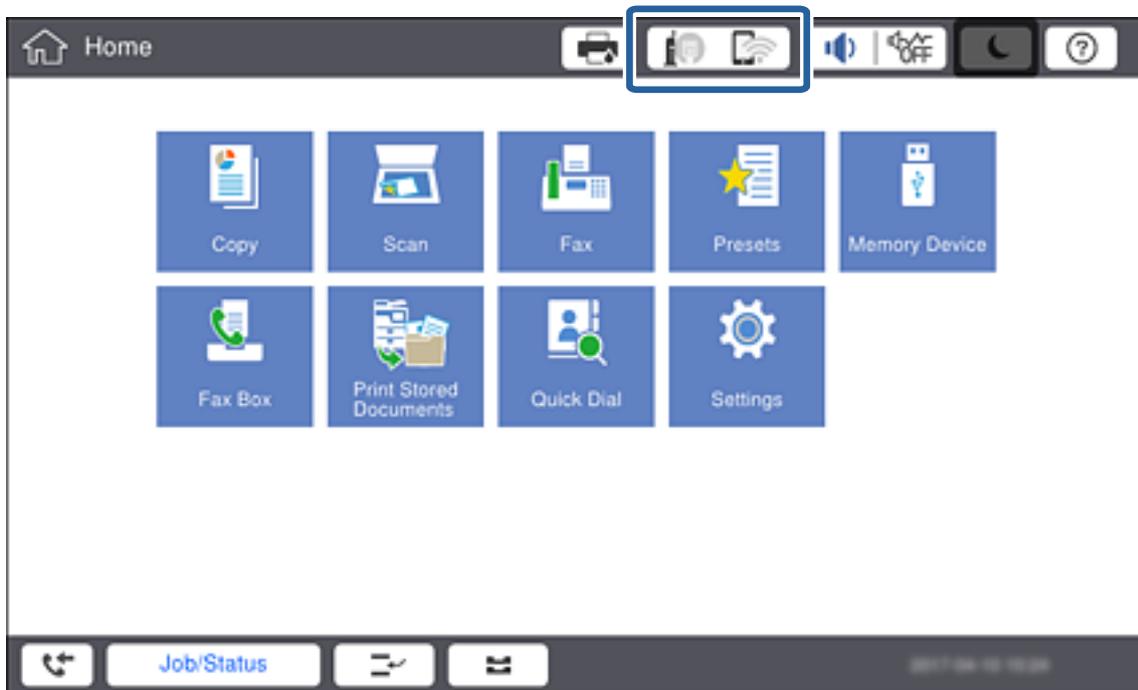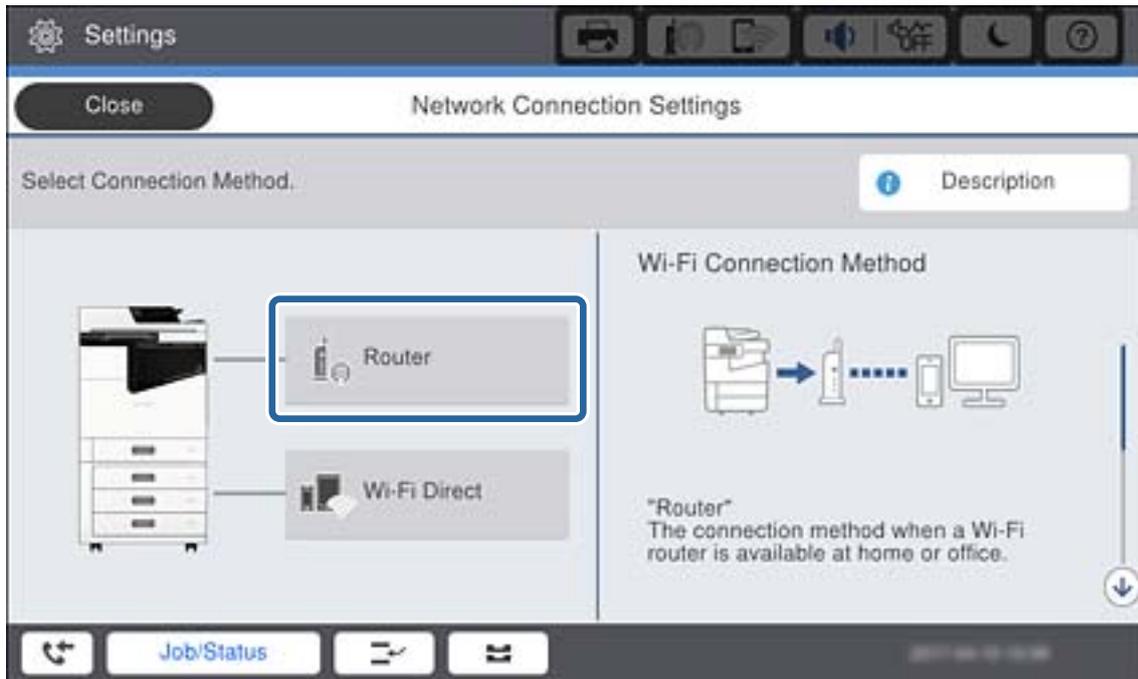
2. Tap **Router**.

3. Tap **Start Setup**.

4. Tap **Wi-Fi Setup**.

   If you have made Ethernet settings, check the message and then tap **Yes**.

5. Tap **Wi-Fi Setup Wizard**.

6. Select the SSID for the access point.

   Note:
   ❏ *If the SSID you want to connect to is not displayed on the printer's control panel, tap **Search Again** to update the list.
   If it is still not displayed, tap **Enter Manually** and then enter the SSID directly.*

   ❏ *If you do not know the SSID, check if it is written on the label of the access point. If you are using the access point
   with its default settings, use the SSID written on the label.*

7. Tap **Enter Password**, enter the password, and then tap **OK**.

   Note:
   ❏ *The password is case-sensitive.*

   ❏ *If you do not know the password, check if it is written on the label of the access point. If you are using the access point
   with its default settings, use the password written on the label. The password may also be called a "Key", a
   "Passphrase", and so on.*

   ❏ *If you enter the SSID directly, select **Available** for **Password**, and then enter the password.*

   ❏ *If you do not know the password for the access point, see the documentation provided with the access point, or
   contact the person who set it up.*

8. When you have finished entry, tap **Start Setup**.

9. Tap **OK**.

    Note:
    If you fail to connect, load A4 size plain paper, and the tap ***Print Check Report*** *to print a network connection report.*

10. Tap **Close** on the network connection settings screen.

Related Information

Connecting to the Network Using the Installer

We recommend using the installer to connect the printer to a computer. You can run the installer using one of the following methods.

❏ Setting up from the website

  Access the following website, and then enter the product name. Go to **Setup**, and then start setting up.

  http://epson.sn

❏ Setting up using the software disc (only for the models that come with a software disc and users with computers with disc drives.)

  Insert the software disc into the computer, and then follow the on-screen instructions.

Selecting the Connection Methods

Follow the on-screen instructions until the following screen is displayed, and then select the connection method of the printer to the computer.

❏ Windows

Select the connection type and then click **Next**.
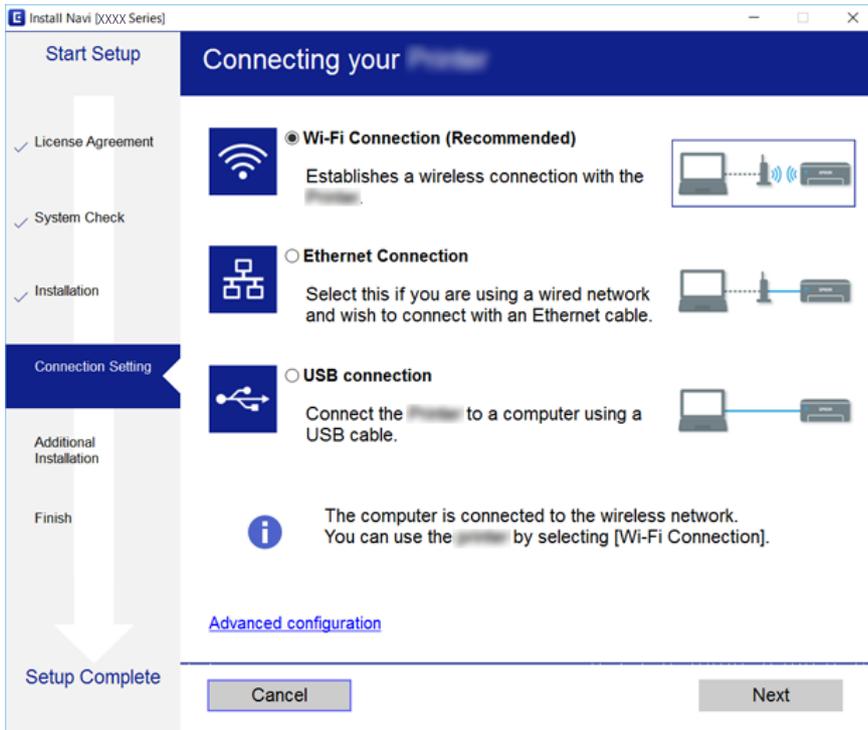
❏ Mac OS

Select the connection type.
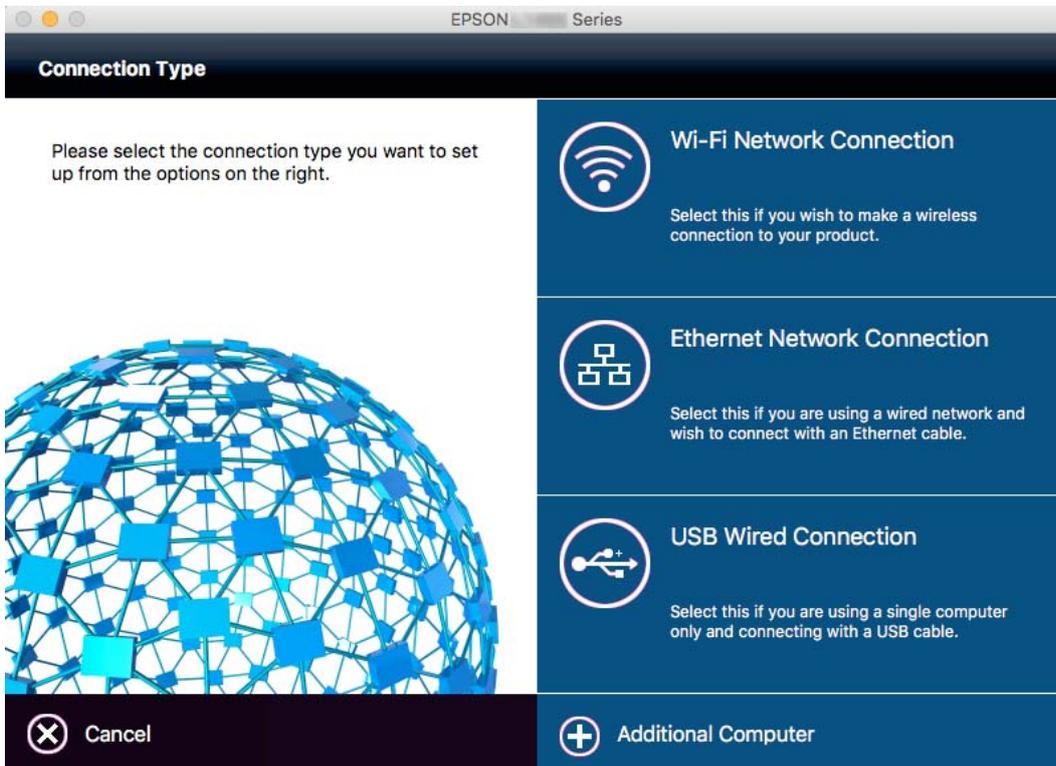
Follow the on-screen instructions. The necessary software is installed.

Connecting to a Phone Line

Compatible Telephone Lines

You can use the printer over standard analogue telephone lines (PSTN = Public Switched Telephone Network) and PBX (Private Branch Exchange) telephone systems.

You may not be able to use the printer with the following phone lines or systems.

❏ VoIP phone line such as DSL or fiber-optic digital service

❏ Digital phone line (ISDN)

❏ Some PBX telephone systems

❏ When adapters such as terminal adapters, VoIP adapters, splitters, or DSL router are connected between the telephone wall jack and the printer

Connecting the Printer to a Phone Line

Connect the printer to a telephone wall jack using an RJ-11 (6P2C) phone cable. When connecting a telephone to the printer, use a second RJ-11 (6P2C) phone cable.

Depending on the area, a phone cable may be included with the printer. If it is included, use that cable.

You may need to connect the phone cable to an adapter provided for your country or region.

Note:
Remove the cap from the EXT. port of the printer only when connecting your telephone to the printer. Do not remove the cap if you are not connecting your telephone.

In areas where lightning strikes occur frequently, we recommend that you use a surge protector.

Connecting to a Standard Phone Line (PSTN) or PBX

Connect a phone cable from the telephone wall jack or PBX port to the LINE port on the back of the printer.
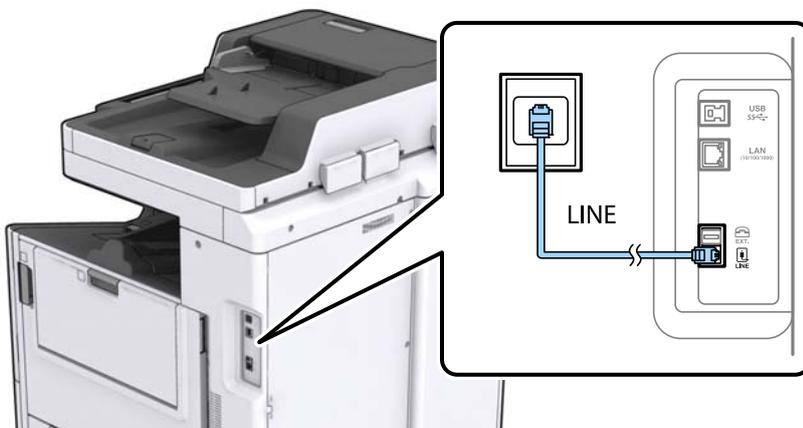
Connecting to DSL or ISDN

Connect a phone cable from the DSL modem or the ISDN terminal adapter to the LINE port on the back of the printer. See the documentation provided with the modem or the adapter for more details.

Note:
If your DSL modem is not equipped with a built-in DSL filter, connect a separate DSL filter.
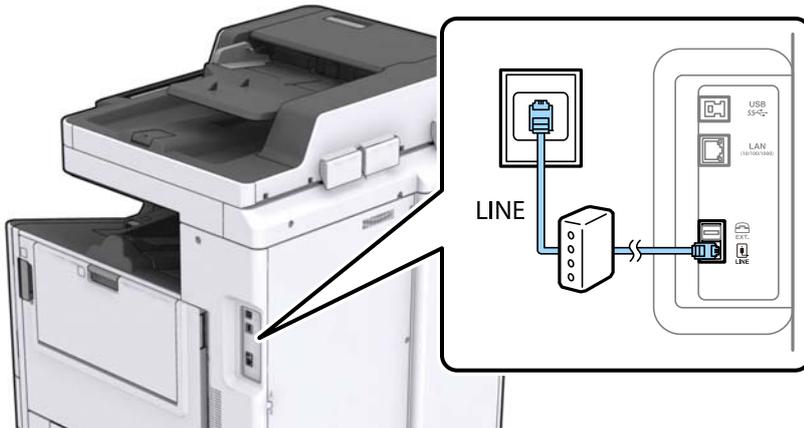
Connecting Your Phone Device to the Printer

When using the printer and your telephone on a single phone line, connect the telephone to the printer.

Note:
❏ *If your phone device has a fax function, disable the fax function before connecting. See the manuals that came with the phone device for details.*

❏ *If you connect an answering machine, make sure the printer's **Rings to Answer** setting is set higher than the number of rings your answering machine is set to answer a call.*

1. Remove the cap from the EXT. port on the back of the printer.
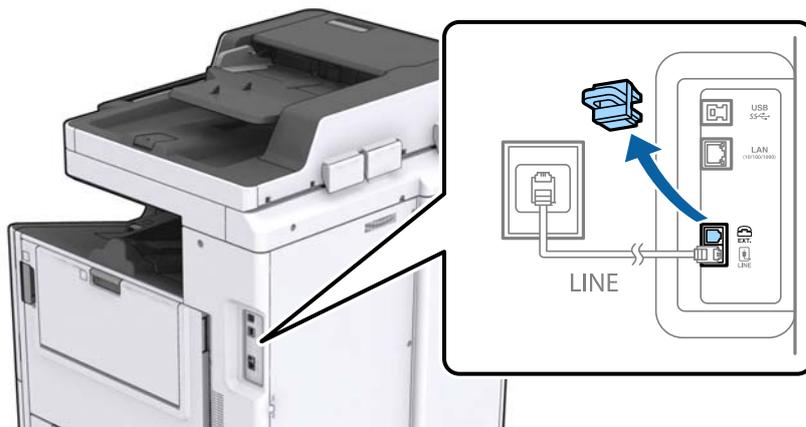
Connection

2. Connect the phone device and the EXT. port with a phone cable.

Note:
When sharing a single phone line, make sure you connect the phone device to the EXT. port of the printer. If you split the line to connect the phone device and the printer separately, the phone and the printer do not work correctly.

3. Tap **Fax** on the home screen.

4. Pick up the handset.

The connection is established when ◇(**Send**) is enabled as the following screen.
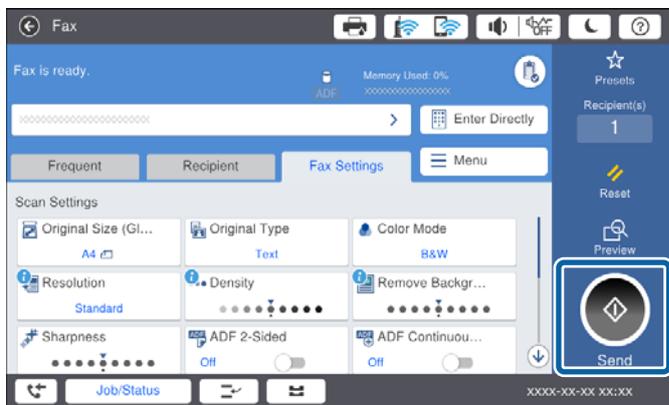
Related Information

➡ "Settings for the Answering Machine" on page 50

Making Basic Fax Settings

The fax setting item is different depending on the region or country of use.

Access Web Config and select the **Device Management** tab > **Country/Region** to make the settings for your country or region before starting to make other settings.

Related Information

➡ "Accessing Web Config" on page 39

Making Basic Fax Settings Using the Fax Setting Wizard

Make basic settings by following the on-screen instructions.

1. Connect the printer to the phone line.

    Note:
    Because an automatic fax connection check runs at the end of the wizard, make sure you connect the printer to the phone line before starting the wizard.

2. Tap **Settings** on the home screen.

3. Tap **General Settings** > **Fax Settings** > **Fax Setting Wizard**.

4. On the **Confirmation** screen, tap **OK**.

    The wizard begins.

5. On the fax header entry screen, enter the sender name such as your company name, and then tap **OK**.

    Note:
    Your sender name and your fax number appear as the header for outgoing faxes.

6. On the phone number entry screen, enter your fax number, and then tap **OK**.

7. On the **Distinctive Ring Detection (DRD) Setting** screen, make the following settings.

    ❏ If you have subscribed to a distinctive ring service from your telephone company: Tap **Proceed**, and then select the ring pattern to be used for incoming faxes.

      - If you select **All**, go to step 8.

      - If you select any other setting, **Receive Mode** is automatically set to **Auto**. Go to step 10.

    ❏ If you do not need to set this option: Tap **Skip**, and then go to step 10.

    Note:
    ❏ *Distinctive ring services, offered by many telephone companies (the service name differs by company), allows you to have several phone numbers on one phone line. Each number is assigned a different ring pattern. You can use one number for voice calls and another for fax calls. Select the ring pattern assigned to fax calls in **DRD**.*

    ❏ *Depending on the region, **On** and **Off** are displayed as the **DRD** options. Select **On** to use the distinctive ring feature.*

8. On the **Receive Mode Setting** screen, select whether you are using your phone device connected to the printer.

    ❏ When connected: Tap **Yes**, and then go to the next step.

    ❏ When not connected: Tap **No**, and then go to step 10. **Receive Mode** is set to **Auto**.

9. On the **Receive Mode Setting** screen, select whether you want to receive faxes automatically.

    ❏ To receive automatically: Tap **Yes**. **Receive Mode** is set to **Auto**.

    ❏ To receive manually: Tap **No**. **Receive Mode** is set to **Manual**.

10. On the **Proceed** screen, check the settings you made, and then tap **Proceed**.

    To correct or change settings, tap ⬅.

11. Tap **Start Checking** to run the fax connection check, and when the screen prompts you to print the check result, tap **Print**.

    A report of the check result that shows the connection status is printed.

Note:
❏ *If there are any errors reported, follow the instructions on the report to solve them.*

❏ *If the **Select Line Type** screen is displayed, select the line type.*

*- When you are connecting the printer to a PBX phone system or terminal adapter, select **PBX**.*

*- When you are connecting the printer to a standard phone line (**PSTN**), select **Disable** on the **Confirmation** screen displayed. However, setting this to **Disable** may cause the printer to skip the first digit of a fax number when dialing and send the fax to the wrong number.*

Related Information

➡
➡

Making Paper Source Settings to Receive Faxes

You can set the printer so that specific paper sources are not used for printing received documents and fax reports. By default, all of the paper sources are enabled for fax printing. Use this feature if you do not want to use paper in a specific paper source for fax printing.

1. Tap **Settings** on the home screen.

2. Tap **General Settings** > **Printer Settings** > **Paper Source Settings** > **Auto Select Settings** > **Fax**.

3. Tap each box of the paper source that you do not want to use for printing faxes.

   The paper source setting is changed to **Off** and is disabled for printing faxes.

Using Wi-Fi Direct (Simple AP) Connection

You can directly connect to the printer without going through the connected network by using Wi-Fi Direct (Simple AP) from a smartphone or tablet when the administrator permits direct connection.

When you use NFC from a smartphone or tablet, Wi-Fi Direct (Simple AP) must be enabled.

Enabling Wi-Fi Direct (Simple AP)

1. Access Web Config and select the **Network** tab > **Wi-Fi Direct**.

2. Select **Enable** for **Wi-Fi Direct**.

3. Click **Next**.

4. Click **OK**.

   The network is re-connected, and then Wi-Fi Direct (Simple AP) is enabled.

   Note:
   *By clicking **Delete** you can delete the registered device information connected by Wi-Fi Direct (Simple AP).*

Related Information

➡

Configuring a Mail Server

Configure this when you want to use the scan function using email or want to receive event mailings from devices.

Check the following before configuring.

❏ The printer is connected to a network.

❏ The computer's email server information.

1. Access Web Config and select the **Network** tab > **Email Server** > **Basic**.

2. Enter a value for each item.

3. Select **OK**.

   The settings you have selected are displayed.

Related Information

➡
➡

Connection

Mail Server Setting Items
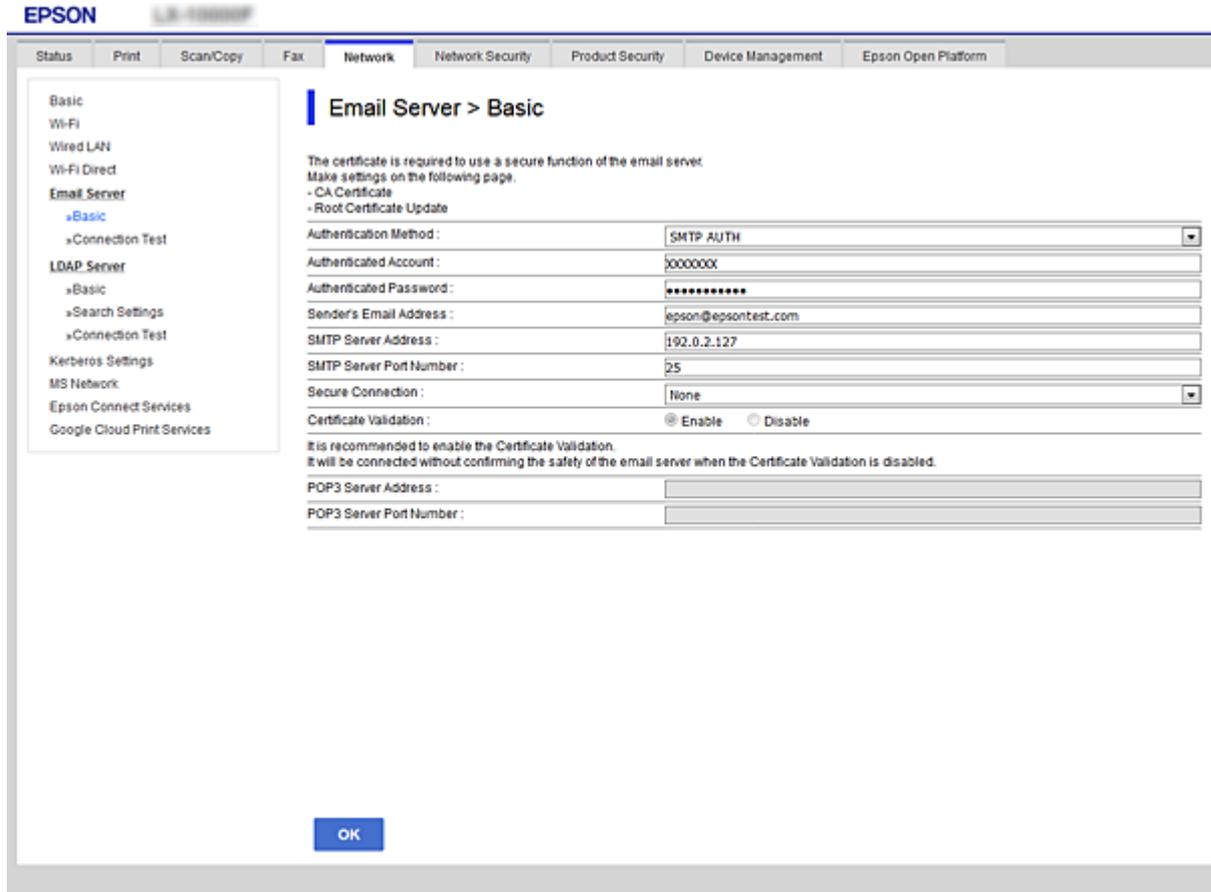
Items	Settings and Explanation	
Authentication Method	Specify the authentication method for the printer to access the mail server.	
	Off	Authentication is disabled when communicating with a mail server.
	SMTP AUTH	Requires that a mail server supports SMTP Authentication.
	POP before SMTP	Configure the POP3 server when selecting this method.
Authenticated Account	If you select **SMTP AUTH** or **POP before SMTP** as the **Authentication Method**, enter the authenticated account name between 0 and 255 characters in ASCII (0x20-0x7E).	
Authenticated Password	If you select **SMTP AUTH** or **POP before SMTP** as the **Authentication Method**, enter the authenticated password between 0 and 20 characters using A-Z a-z 0-9 ! # $ % & ' * + - . / = ? ^ _ {	} ~ @.	
Sender's Email Address	Enter the sender's email address. Enter between 0 and 255 characters in ASCII (0x20-0x7E) except for : ( ) < > [ ] ; ¥. A period "." cannot be the first character.	
SMTP Server Address	Enter between 0 and 255 characters using A-Z a-z 0-9 . - . You can use IPv4 or FQDN format.	
SMTP Server Port Number	Enter a number between 1 and 65535.	

Connection

Items	Settings and Explanation	
Secure Connection	Specify the secure connection method for the email server.	
	None	If you select **POP before SMTP** in **Authentication Method**, the connection method is set to **None**.
	SSL/TLS	This is available when **Authentication Method** is set to **Off** or **SMTP AUTH**.
	STARTTLS	This is available when **Authentication Method** is set to **Off** or **SMTP AUTH**.
Certificate Validation	The certificate is validated when this is enabled. We recommend this is set to **Enable**.	
POP3 Server Address	If you select **POP before SMTP** as the **Authentication Method**, enter the POP3 server address between 0 and 255 characters using A-Z a-z 0-9 . - . You can use IPv4 or FQDN format.	
POP3 Server Port Number	If you select **POP before SMTP** as the **Authentication Method**, enter a number between 1 and 65535.	

Related Information

➡

Checking a Mail Server Connection

1. Access Web Config and select the **Network** tab > **Email Server** > **Connection Test**.

2. Select **Start**.

   The connection test to the mail server is started. After the test, the check report is displayed.

Related Information

➡

➡

Mail Server Connection Test References

Messages	Explanation
Connection test was successful.	This message appears when the connection with the server is successful.
SMTP server communication error. Check the following. - Network Settings	This message appears when ❏ The printer is not connected to a network ❏ SMTP server is down ❏ Network connection is disconnected while communicating ❏ Received incomplete data

Connection

Messages	Explanation
POP3 server communication error. Check the following. - Network Settings	This message appears when ❏ The printer is not connected to a network ❏ POP3 server is down ❏ Network connection is disconnected while communicating ❏ Received incomplete data
An error occurred while connecting to SMTP server. Check the followings. - SMTP Server Address - DNS Server	This message appears when ❏ Connecting to a DNS server failed ❏ Name resolution for an SMTP server failed
An error occurred while connecting to POP3 server. Check the followings. - POP3 Server Address - DNS Server	This message appears when ❏ Connecting to a DNS server failed ❏ Name resolution for an POP3 server failed
SMTP server authentication error. Check the followings. - Authentication Method - Authenticated Account - Authenticated Password	This message appears when SMTP server authentication failed.
POP3 server authentication error. Check the followings. - Authentication Method - Authenticated Account - Authenticated Password	This message appears when POP3 server authentication failed.
Unsupported communication method. Check the followings. - SMTP Server Address - SMTP Server Port Number	This message appears when you try to communicate with unsupported protocols.
Connection to SMTP server failed. Change Secure Connection to None.	This message appears when an SMTP mismatch occurs between a server and a client, or when the server does not support SMTP secure connection (SSL connection).
Connection to SMTP server failed. Change Secure Connection to SSL/TLS.	This message appears when an SMTP mismatch occurs between a server and a client, or when the server requests to use an SSL/TLS connection for an SMTP secure connection.
Connection to SMTP server failed. Change Secure Connection to STARTTLS.	This message appears when an SMTP mismatch occurs between a server and a client, or when the server requests to use an STARTTLS connection for an SMTP secure connection.
The connection is untrusted. Check the following. - Date and Time	This message appears when the printer's date and time setting is incorrect or the certificate has expired.
The connection is untrusted. Check the following. - CA Certificate	This message appears when the printer does not have a root certificate corresponding to the server or a CA Certificate has not been imported.
The connection is not secured.	This message appears when the obtained certificate is damaged.
SMTP server authentication failed. Change Authentication Method to SMTP-AUTH.	This message appears when an authentication method mismatch occurs between a server and a client. The server supports SMTP AUTH.
SMTP server authentication failed. Change Authentication Method to POP before SMTP.	This message appears when an authentication method mismatch occurs between a server and a client. The server does not support SMTP AUTH.

Connection

Messages	Explanation
Sender's Email Address is incorrect. Change to the email address for your email service.	This message appears when the specified sender's Email address is wrong.
Cannot access the printer until processing is complete.	This message appears when the printer is busy.

Related Information

➡

Function Settings

This chapter explains the first settings to make in order to use each function of the device.

Software for Setting

In this topic, the procedure for making settings from the administrator's computer using Web Config is explained.

Web Config (Web Page for Device)

About Web Config

Web Config is a browser-based application for configuring the printer's settings.

To access Web Config, you need to have first assigned an IP address to the printer.

Note:
You can lock the settings by configuring the administrator password to the printer.

Accessing Web Config

Enter the printer's IP address into a web browser. JavaScript must be enabled. When accessing Web Config via HTTPS, a warning message will appear in the browser since a self-signed certificate, stored in the printer, is used.

❏ Accessing via HTTPS

IPv4: https://<printer IP address> (without the < >)

IPv6: https://[printer IP address]/ (with the [ ])

❏ Accessing via HTTP

IPv4: http://<printer IP address> (without the < >)

IPv6: http://[printer IP address]/ (with the [ ])

Note:
❏ *Examples*

IPv4:

https://192.0.2.111/

http://192.0.2.111/

IPv6:

https://[2001:db8::1000:1]/

http://[2001:db8::1000:1]/

❏ *If the printer name is registered with the DNS server, you can use the printer name instead of the printer's IP address.*

Related Information

➡
➡

Using the Print Functions

Enable to use the printer's print function.

Requirement for Printing over a Network

The following is required to print over a network.

You can configure these settings using the printer driver and functions of the operating system.

❏ Installing the printer driver

❏ Making the print queue to a computer

❏ Setting the port to a network

Setting of the Printer Driver Using Server / Client Connection

Set the printer to enable printing from a computer that was previously set as the print server, and share the printer.

Install the printer driver for both the server and the client on the print server.

If the installer is used, setting of the printer's network or computer, installation of the driver, and making the print queue are performed automatically.

Setting Up Standard TCP/IP Ports - Windows

Set up the Standard TCP/IP port on the print server, and create the print queue for network printing.

1. Open the devices and printers screen.

   ❏ Windows 10/Windows Server 2016

   Right-click the start button or press and hold it, and then select **Control Panel** > **Devices and Printers** .

   ❏ Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012

   Desktop > **Settings** > **Control Panel** > **Hardware and Sound** or **Hardware** > **Devices and Printers**.

   ❏ Windows 7/Windows Server 2008 R2

   Click start > **Control Panel** > **Hardware and Sound** (or **Hardware**) > **Devices and Printers**.

   ❏ Windows Vista/Windows Server 2008

   Click start > **Control Panel** > **Hardware and Sound** > **Printers**.

   ❏ Windows XP/Windows Server 2003 R2/Windows Server 2003

   Click start > **Control Panel** > **Printers and Other Hardware** > **Printers and Faxes**.

2. Add a printer.

   ❏ Windows 10/Windows 8.1/Windows 8/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012

   Click **Add printer**, and then select **The printer that I want isn't listed**.

   ❏ Windows 7/Windows Server 2008 R2

   Click **Add printer**.

   ❏ Windows Vista/Windows Server 2008

   Click **Install Printer**.

   ❏ Windows XP/Windows Server 2003 R2/Windows Server 2003

   Click **Install Printer**, and then click **Next**.

3. Add a local printer.

   ❏ Windows 10/Windows 8.1/Windows 8/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012

   Select **Add a local printer or network printer with manual settings**, and then click **Next**.

   ❏ Windows 7/Windows Server 2008 R2/Windows Vista/Windows Server 2008

   Click **Add a local printer**.

   ❏ Windows XP/Windows Server 2003 R2/Windows Server 2003

   Select **Local printer attached to this computer**, and then click **Next**.

Function Settings

4. Select **Create a new port**, select **Standard TCP/IP Port** as the Port Type, and then click **Next**.

   For Windows XP/Windows Server 2003 R2/Windows Server 2003, click **Next** on the **Add Standard TCP/IP Printer Port Wizard** screen.
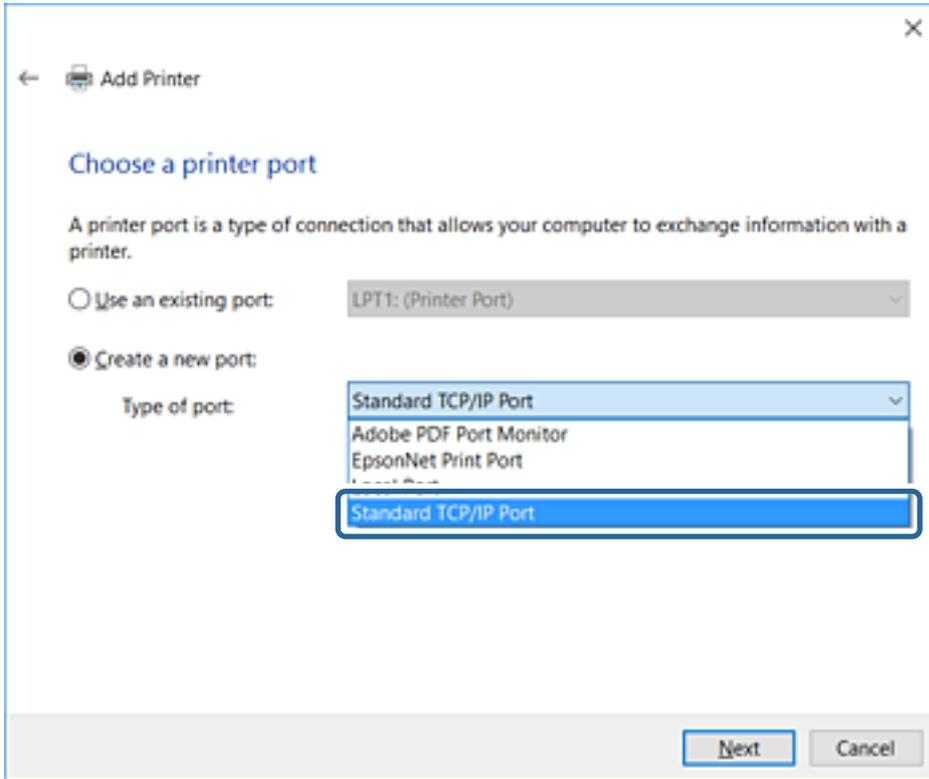
5. Enter the printer's IP address or printer name in **Host Name or IP Address** or **Printer Name or IP Address**, and then click **Next**.

   Do not change **Port name**.

   Click **Continue** when the **User Account Control** screen is displayed.

Function Settings

For Windows XP/Windows Server 2003 R2/Windows Server 2003, click **Done** on the **Standard TCP/IP Printer Port** screen.

Note:
If you specify the printer name on the network where the name resolution is available, the IP address is tracked even if printer's IP address has been changed by DHCP. You can confirm the printer name from the network status screen on the printer's control panel or network status sheet.

6. Set the printer driver.

   ❏ If the printer driver is already installed:

   Select **Manufacturer** and **Printers**. Click **Next**.

   ❏ If the printer driver is not installed:

   Click **Have Disc** and then insert the software disc supplied with the printer. Click **Browse**, and then select the folder on the disc containing the printer driver. Make sure you select the correct folder. The location of the folder may change depending on your operating system.

   32 bit version of Windows: WINX86

   64 bit version of Windows: WINX64

7. Follow the on-screen instructions.

   For Windows XP/Windows Server 2003 R2/Windows Server 2003, setup is complete. For Windows Vista/ Windows Server 2008 and later, check the port configuration.

When using the printer under the server / client connection (printer sharing using the Windows server), make the sharing settings hereafter.

Related Information

➡

Checking the Port Configuration - Windows

Check if the correct port is set for the print queue.

1. Open the devices and printers screen.

   ❏ Windows 10/Windows Server 2016

   Right-click the start button or press and hold it, and then select **Control Panel** > **Devices and Printers** .

   ❏ Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012

   Desktop > **Settings** > **Control Panel** > **Hardware and Sound** or **Hardware** > **Devices and Printers**.

   ❏ Windows 7/Windows Server 2008 R2

   Click start > **Control Panel** > **Hardware and Sound** (or **Hardware**) > **Devices and Printers**.

   ❏ Windows Vista/Windows Server 2008

   Click start > **Control Panel** > **Hardware and Sound** > **Printers**.

2. Open the printer properties screen.

   ❏ Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Server 2016/Windows Server 2012 R2/
   Windows Server 2012/Windows Server 2008 R2

   Right-click the printer icon, and then click **Printer properties**.

   ❏ Windows Vista

   Right-click the printer icon, and then select **Run as administrator** > **Properties**.

   ❏ Windows Server 2008

   Right-click the printer icon, and then click **Properties**.

3. Click the **Ports** tab, select **Standard TCP/IP Port**, and then click **Configure Port**.

4. Check the port configuration.

   ❏ For RAW

   Check that **Raw** is selected in **Protocol**, and then click **OK**.

   ❏ For LPR

   Check that **LPR** is selected in **Protocol**. Enter "PASSTHRU" in **Queue name** from **LPR Settings**. Select **LPR Byte Counting Enabled**, and then click **OK**.

Sharing the Printer (Windows only)

When using the printer under the server / client connection (printer sharing using the Windows server), set up the printer sharing from the print server.

1. Select **Control Panel** > **View devices and printers** on the print server.

2. Right-click the printer icon (print queue) that you want to share with, and then select **Printer Properties** > **Sharing** tab.

3. Select **Share this printer** and then enter to **Share name**.

   For Windows Server 2012, click **Change Sharing Options** and then configure the settings.

Installing Additional Drivers (Windows only)

If the Windows versions for a server and clients are different, it is recommended to install additional drivers to the print server.

1. Select **Control Panel** > **View devices and printers** on the print server.

2. Right-click the printer icon that you want to share with the clients, and then click **Printer Properties** > **Sharing** tab.

3. Click **Additional Drivers**.

   For Windows Server 2012, click Change Sharing Options and then configure the settings.

4. Select versions of Windows for clients, and then click OK.

5. Select the information file for the printer driver (*.inf) and then install the driver.

Related Information

➡ "Using the Shared Printer – Windows" on page 44

Using the Shared Printer – Windows

The administrator needs to inform the clients of the computer name assigned to the print server and how to add it to their computers. If the additional driver(s) have not been configured yet, inform the clients how to use **Devices and Printers** to add the shared printer.

If additional driver(s) have already been configured on the print server, follow these steps:

1. Select the name assigned to the print server in **Windows Explorer**.

2. Double-click the printer that you want to use.

Related Information

➡ "Sharing the Printer (Windows only)" on page 43
➡ "Installing Additional Drivers (Windows only)" on page 44

Printer Driver Settings for Peer to Peer Connection

For peer to peer connection (direct printing), the printer driver must be installed on each client computer.

Related Information

➡ "Setting the Printer Driver - Windows" on page 45
➡ "Setting the Printer Driver - Mac OS" on page 46

Setting the Printer Driver - Windows

For small organizations, we recommend installing the printer driver on each client computer. Use the installer on Epson website or on the software disc.

Note:
When the printer is used from many client computers, by using EpsonNet SetupManager and delivering the driver as a package, install operation time can be reduced dramatically.

1. Run the installer.

    ❏ Running from the website

        Access the following website, and then enter the product name. Go to **Setup**, download the software, and then run it.

        http://epson.sn

    ❏ Running from the software disc (only for the models that come with a software disc and users with computers with disc drives.)

        Insert the software disc into the computer.

2. Select the connection method for the printer, and then click **Next**.
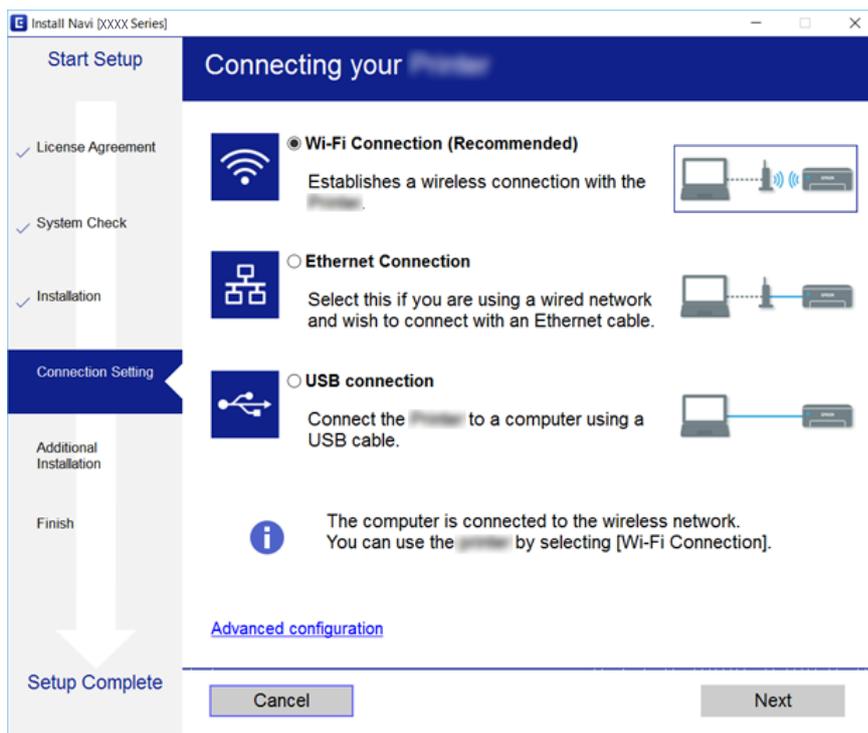
Note:
*If **Select Software Installation** is displayed, select **Change or re-set the connection method** and then click **Next**.*

3. Follow the on-screen instructions.

Related Information

➡ "EpsonNet SetupManager" on page 107

Setting the Printer Driver - Mac OS

Download the software from the website, and then make connection settings for adding a computer. Start the setup under the Internet available environment.

When you want to install the Epson PostScript printer driver for a PostScript supported printer, see the printer's *User's Guide*.

1. Access the following website from the computer you want to make settings, and then enter the product's name.

   http://epson.sn

2. Go to **Setup**, and then download the software.

3. Run the software, and then follow the on-screen instructions.

4. Select **Additional Computer** on the Connection Type screen.
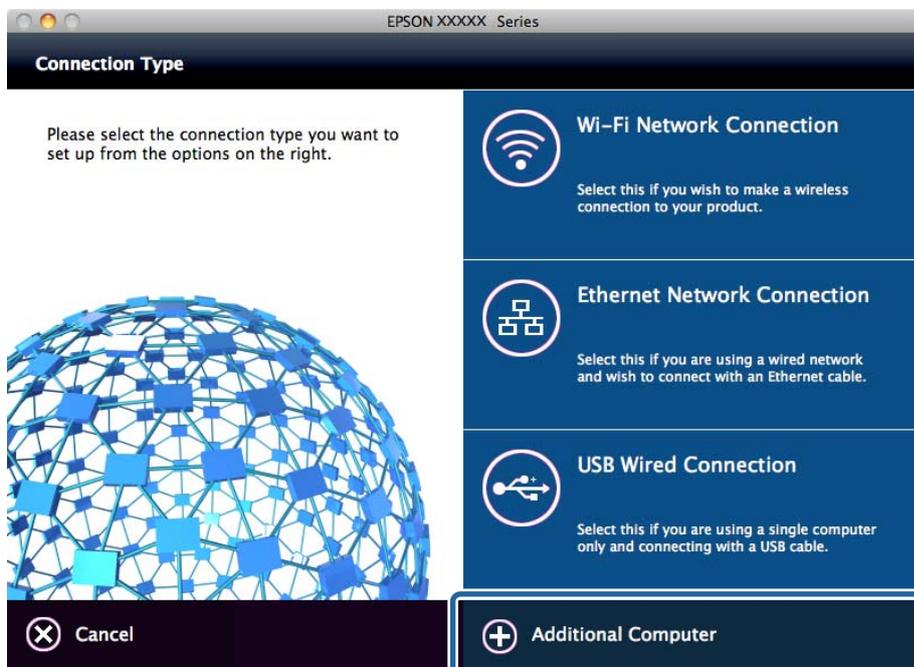
5. Follow the on-screen instructions.

Using Scan Functions

You can use the scan functions from the computer or by using the printer's control panel.

Scanning From a Computer

Install the software and check that the network scan service is enabled to scan via a network from the computer.

Related Information

➡ "Software to be installed" on page 47

➡

Software to be installed

❏ Epson Scan 2

This is a scanner driver. If you use the device from a computer, install the driver on each client computer. If Document Capture Pro/Document Capture is installed, you can perform the operations assigned to the buttons of the device.

If EpsonNet SetupManager is used, the printer driver is also distributed as a package.

❏ Document Capture Pro (Windows)/Document Capture (Mac OS)

It is installed on the client computer. The jobs registered on a network computer where Document Capture Pro/ Document Capture is installed can be called and run from the deivce's control panel.

You can scan over the network from a computer. Epson Scan 2 is required to scan.

Related Information

➡

Confirming that Network Scan is Enabled

You can set the network scan service when you scan from a client computer over the network. The default setting is enabled.

1. Access Web Config and select the **Scan/Copy** tab > **Network Scan**.

2. Make sure that **Enable scanning** of **EPSON Scan** is selected.

    If it is selected, this task is completed. Close Web Config.

    If it is cleared, select it and go to next step.

3. Click **Next**.

4. Click **OK**.

    The network is re-connected, and then the settings are enabled.

Related Information

➡

Scanning using the control panel

The scan to folder function and the scan to mail function using the printer's control panel, as well as the transfer of scan results to mail, folders, etc. are performed by executing a job from the computer.

Related Information

➡

Settings of Servers and Folders

Name	Settings	Location	Requirement
Scan to Network Folder (SMB)	Create and set up sharing of the save folder	A computer that has a save folder location	The administrative user account to the computer that creates save folders.
	Destination for Scan to Network Folder (SMB)	Contacts of the device	User name and password to log on to the computer that has the save folder, and the privilege to update the save folder.
Scan to Network Folder (FTP)	Setup for FTP server log on	Contacts of the device	Logon information for the FTP server and the privilege to update the save folder.
Scan to Email	Setup for email server	Device	Setup information for email server
Scan to Cloud	Printer registration to Epson Connect	Device	Internet connection environment
	Contact registration to Epson Connect	Epson Connect service	User and printer registration to Epson Connect service
Scan to Document Capture Pro (when using Document Capture Pro Server/Document Capture Pro)	Server setup for Document Capture Pro	Device	IP address, host name, or FQDN for the computer that Document Capture Pro Server/Document Capture Pro is installed on

Related Information

➡ "Configuring a Mail Server" on page 33

➡ "Managing Scanning from the Control Panel (Document Capture Pro Server/Document Capture Pro)" on page 48

Managing Scanning from the Control Panel (Document Capture Pro Server/Document Capture Pro)

By using Document Capture Pro Server/Document Capture Pro (server mode), you can manage the sorting method, saving format, and forwarding destination of a scanning result executed from the printer's control panel. You can call and execute a job previously registered on the server from the printer's control panel.

Install it on the server computer.

For more information on Document Capture Pro Server, contact your local Epson office.

Related Information

➡ "Setting Document Capture Pro Server/Document Capture Pro (Server Mode)" on page 49

Setting Document Capture Pro Server/Document Capture Pro (Server Mode)

To use Document Capture Pro Server, set up as follows.

1. Access Web Config and select the **Scan/Copy** tab > **Document Capture Pro**.

2. Select **Server Mode** for **Mode**.

3. Enter the address of the server with Document Capture Pro Server installed on it for **Server Address**.

   Enter between 2 and 255 characters in either IPv4, IPv6, host name or FQDN format. For FQDN format, you can use alphanumeric characters in ASCII (0x20-0x7E) and "- " except for at the beginning and end of the address.

4. Click **OK**.

   The network is re-connected, and then the settings are enabled.

Related Information

➡ "Accessing Web Config" on page 39

Using Fax Functions

Enable to use the printer's fax functions.

Setting Receive Mode

Depending on your situation, set up Receive Mode.

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Basic**.

2. Select how to receive on **Receive Mode**.

   ❏ **Auto**: Recommended for heavy fax users. The printer automatically receives a fax after the number of rings you specified.

   ❏ **Manual**: Recommended for users who do not fax often, or who want to receive a fax after answering calls with the connected telephone. When receiving a fax, pick up the handset, and then operate the printer.

   > **Important:**
   > *If you do not connect a telephone to the printer, select **Auto** mode.*

   Note:
   *If you enable the **Remote Receive** function, you can start receiving a fax just by using the connected telephone.*

3. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

➡
➡

Settings for the Answering Machine

You need to make the following settings to use an answering machine.

1. Access Web Config and then select the **Fax** tab > **Receive Settings** > **Basic**.

2. Select **Auto** for **Receive Mode**.

3. Set the **F/T Ring Times** setting of the printer to a higher number than the number of rings for the answering machine.

   If the **F/T Ring Times** setting of the printer is set to a lower number than the number of rings for the answering machine, the answering machine cannot receive voice calls to record voice messages. See the guides that came with the answering machine for its settings. This item is not displayed except for the machine that supports an answering machine.

4. Click **OK**.

Related Information

➡

Receiving Faxes Using a Connected Telephone (Remote Receive)

By using the **Remote Receive** function, you can start receiving faxes just by using the phone. The **Remote Receive** function is available for telephones that support tone dialing.

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Basic**.

2. Select **On** for **Remote Receive**.

3. Enter a two digit code (0 to 9, *, and # can be entered) in the **Start Code** field.

   Start Code is a code that is entered on a connected telephone in order to start receiving faxes.

4. Click **OK**.

Related Information

➡

Dealing with Received Faxes

You can deal with a received fax as follows.

❏ Print

❏ Save to Inbox

❏ Save to Computer

Function Settings

❑ Save to Memory Device

❑ Forward

Note:
*If you select all features above, received documents are saved and transferred to each destination and you can receive a notification email when the process has finished. You cannot select only **Print** and **Save to Inbox**.*

Related Information

➡ "Setting the Mail Notification After Receiving a Fax" on page 51

➡ "Making Print Settings for Receiving Faxes" on page 51

➡ "Setting to Save Received Faxes in the Inbox" on page 52

➡ "Setting PC-FAX Reception" on page 52

➡ "Saving Settings for External Memory" on page 53

➡ "Forwarding Settings for Faxes" on page 53

Setting the Mail Notification After Receiving a Fax

When the process of receiving a fax has finished, an email notification can be sent.

The notification address must be registered in the contacts in advance.

The mail server must be configured to use this function.

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Fax Output**.

2. Select items that you want to be notified about by email when the fax dealing has finished for **Email Notifications**.

3. Click **Select from Contacts** for **Recipient**.

4. Select the notification address.

5. Click **Select** to set the destination.

6. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

➡ "Configuring a Mail Server" on page 33

Making Print Settings for Receiving Faxes

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Fax Output**.

2. Select **Printing**.

3. Make the settings for **Print Settings** as necessary.

4. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Setting to Save Received Faxes in the Inbox

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Fax Output**.

2. Select **Save to Inbox**.

3. Click **OK**.

4. Select **Receive Settings** > **Inbox**.

   When the box password has been set, enter the password to open the setting screen.

5. Select the option to use when the inbox is full.

   ❏ **Reject incoming faxes**: The printer does not answer incoming fax calls.

   ❏ **Receive and print faxes**: The printer prints all received documents that cannot be saved in the Inbox.

6. When protecting the settings by password, select **Change Password**, and then set up the box password.

7. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Setting PC-FAX Reception

To use PC-FAX reception, install the printer driver and FAX Utility on the computer. When you use the installer for setting up the printer, they are installed at the same time. In case you have to install individually, use the software disc or download them from Epson website.

Convert the received Fax to a PDF file, and save it to the connected computer. It can be printed at the same time.

> **Important:**
> ❏ Set the printer's received mode to **Auto**.
> ❏ Before saving faxes on the computer, they are saved in the printer's memory. Leave the destination computer on because the printer's memory is limited, and send and receive may not be available. The amount of temporary saved data is displayed on the fax mode icon.

1. Run FAX Utility on the computer connected to the printer.

2. Open the FAX Utility settings screen.

   ❏ Windows

   Select **Fax Settings for Printer** > **Received Fax Output Settings**.

   ❏ Mac OS

   Click **Fax Receive Monitor**, select your printer, and then click **Receive Settings**.

Function Settings

3. Click **Save faxes on this computer** and specify the destination folder to save.

4. Make other settings as necessary, and send the settings to the printer.

   Note:
   For an explanation on the setting items and a detailed procedure, see the help for FAX Utility.

5. Tap **Settings** on the printer's control panel.

6. Tap **General Settings** > **Fax Settings** > **Receive Settings**.

7. Tap **Save/Forward Settings** > **Unconditional Save/Forward**.

8. Current settings are displayed. Confirm the settings are set to save to the computer (Save to Computer).

9. When you want to save data to the computer and print automatically at the same time, tap **Save to Computer** > **Yes and Print**.

   Note:
   *To quit saving data to the computer, select **No** for **Save to Computer** on the printer's control panel. On Web Config select the **Fax** tab > **Receive Settings** > **Fax Output**, clear **Save to Computer**, and then click **OK**.*

Saving Settings for External Memory

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Fax Output**.

2. Select **Save to Memory Device**.

3. Click **OK**.

Related Information

➡

Forwarding Settings for Faxes

The forwarding destination must have been previously registered in the contacts.

1. Access Web Config and select the **Fax** tab > **Receive Settings** > **Fax Output**.

2. Select **Forward**.

3. Click **Select from Contacts** on **Where to Forward**.

4. Select the forwarding destination.

   You can set up to five.

5. Click **Select**.

6. Set up the handling method for when forwarding fails for **Options When Forwarding Failed**.

7. Enter the subject for emails with attached faxes on **Email Subject to Forward**.

   Enter 50 characters or less in ASCII (0x20-0x7E). If you do not specify this, leave it blank.

8. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Descriptions of the Fax Settings Menu

You can configure detailed settings for the fax function in the **Fax** tab using Web Config.

Related Information

➡ "Accessing Web Config" on page 39

Send Settings

Basic

Item	Description
PC to FAX Function	You can specify whether to transmit using fax from computer.
Auto Rotation	If a document is set to portrait orientation on A4 size paper in the ADF or scanner glass, it will usually be sent as an A3 size document. If you enable the setting, the document is rotated and sent as A4 size.
Batch Send	Multiple documents with the same destination can be sent automatically. You can send up to five documents (total of 100 pages). It reduces the number of transmissions and saves on transmission costs.
Quick memory send	After the first page of the document has been read, fax transmission will start. Normally, the scanned document is saved to the memory first, and then sent. However, Quick memory send is performed in parallel with the scan and fax transmission, so you can reduce the overall operation time.
Save Failure Data	A document whose transmission failed is saved to the memory.
Auto Redial Count	Select the number of redials while talking or when an error occurs.
Auto Redial Interval	Select the time for the next redial.
Fax Header	Setup for fax header and your phone number. Setup content here displays the header of document transmission. The fax header can have up to 40 characters in Unicode (UTF-8). If you do not specify this, leave it blank.
Others	You can add a fax header to be displayed in the header of the transmitted document. The fax header entered here can be selected at fax transmission. You can enter up to 40 characters in Unicode (UTF-8) and register up to 20 destinations.
Your Phone Number	Setup for your phone number. Setup content here displays the header of document transmission. Enter within 30 characters or less using 0-9 + or space. If you do not specify this, leave it blank.

Send Stored Document Box

Select the menu to switch to the editing screen of the send box. When the password is set to the send box, and the administrator password is not configured, switch to the password entry screen. When the administrator password is set, switch to the editing screen regardless of the password setting of the send box.

Function Settings

Item	Description
Change Password	Select whether to change the password of the box.
Box Password	Set the password of the box. Enter within 20 characters or less in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
Confirm Password	Enter the password to confirm.

Polling Send Box

Item	Description
Change Password	Select whether to change the password of the box.
Box Password	Set the password of the box. Enter the within 20 characters or less in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
Confirm Password	Enter the password to confirm.
Auto Delete After Polling Send	Select whether to delete the transmitted document after polling.
Notify Send Result	Select whether to send email notifications after polling.
Recipient	Set up the destination for email notifications.

Board Box (Top screen)

Item	Description
Number	Index number of the box.
Name	Name of the box.
Edit	Select the box and click **Edit** to switch to the editing screen.
	When the password is set to the send box, and the administrator password is not configured, switch to the password entry screen. When the administrator password is set, switch to the editing screen regardless of the password setting of the send box.

Board Box (Editing screen)

Item	Description
Number	Index number of the box.
Name	Enter the name of the box. Enter within 30 characters or less in Unicode (UTF-8) without control characters. If you do not specify this, leave it blank. Double-bytes character and single-byte characters are both counted as one character.
Change Password	Select whether to change the password of the box.
Box Password	Set the password of the box. Enter within 20 characters or less in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
Confirm Password	Enter the password to confirm.

Function Settings

Item	Description
Subaddress(SEP)	Set the sub address of the box. Enter within 20 characters or less using 0-9, *, # or spaces. If you do not specify this, leave it blank.
Password(PWD)	Set the password for the sub address. Enter up within 20 characters or less using 0-9, *, # or spaces. If you do not specify this, leave it blank.
Auto Delete After Polling Send	Select whether to delete the transmitted document after polling.
Notify Send Result	Select whether to send email notifications after polling.
Recipient	Set up the destination for email notifications.

Receive Settings

Basic

Item	Description
Receive Mode	Select the receiving mode. The setting item is different depending on your region or country.
DRD	If you subscribe to the DRD service that your phone company supplies, you can select the ringer pattern for fax reception. DRD (Distinctive Ring Service) is a service that multiple phone numbers are able to use with a phone line, and many phone companies provide this service. (the service name is different depending on the company). A ring pattern is given for each phone number. You can use one for voice calls, and another for fax calls. **On** and **Off** are displayed as DRD settings depending on your region.
Rings to Answer	Select the number of rings to receive a fax after the phone rings. The setting item is different depending on your region or country.
Remote Receive	When you answer a call that is a fax using an external phone, enter the start code to start fax reception using the phone. Set whether or not to use remote reception.
Start Code	Set the start code of **Remote Receive**. Enter two characters using 0-9, *, #.
Receiving Paper Size	Select the paper size for fax reception.

Fax Output

Item	Description
Fax Output	Set how to process the received documents. When you select multiple methods, the same document is saved to each destination, and the same document is transferred to the destination. You cannot specify only **Print** and **Save to Inbox**.

Function Settings

Item		Description
	Printing	Printing received documents.
	Save to Inbox	You can store a maximum of 100 received documents in the printer's inbox. When you set this, received documents are not printed automatically. You can check on the printer's control panel, and then print out only the necessary documents.
	Save to Computer	Convert received documents to PDF format, and save to the computer that is connected to the printer. Saving and printing are available at the same time. You can set in this using FAX Utility. Install FAX Utility on the computer in advance.
	Save to Memory Device	Convert received documents to PDF format, and then save them to an external memory device that is connected to the printer. Saving and printing are available at the same time.
	Forward	Received documents are transferred to another fax machine, converted to PDF format, and then transferred to the folder or email address in the network. Transferred documents will be deleted. You need to register the contacts in advance. Also, if the destination you specify is an email address, you need to configure a mail server.
Print Settings		Print setup for printing received documents.

Function Settings

Item		Description
	Auto Reduction	When the size of a received document is larger than the size of the paper loaded in the printer, it shrinks to fit the paper size, and then prints. Depending on the document, it may be unable to shrink. When disabled, multiple pages are printed without reduction, and a second page might be blank.
	Auto Rotation	When A5, B5, A4, and Letter size landscape-oriented documents are received, it rotates automatically to print on a suitable paper size.
	Acting Print	Select the printing method when the size of received documents is larger than the size of the paper loaded in the printer. When **On(Split to pages)** is selected, it splits the document longitudinally. When **On (Reduce to Fit)** is selected, the minimum reduction ratio is 50%.
	Overlap When Split	For split printing, set whether to overlap the printings. When enabled, enter the amount of overlap from 1-15.
	Delete Print Data After Split	For split printing, set whether to delete the top edge or the bottom edge of the image. When enabled, enter the amount of deletion from 1-30.
	Add Reception Information	Select whether to print reception information on the header of the received fax.
	Collation Stack	Printing from the last page of a received document, then sorting it into the correct page order. This might not be applied when the memory for receiving documents is low.
	2-Sided	Select whether to use 2-Sided printing for received documents.
	Binding(Copy)	Select the binding direction when printing 2-Sided.
	Print Start Timing	Select the settings for when to start printing received documents.
	Print Suspend Time	Save this time (in the specified time zone) in the memory of the received document without printing it. It will automatically print at the restart time. You can take advantage of noise prevention at night as well as prevention of confidential information leaks during your absence.
	Time to Stop	Set the time to stop printing received documents.
	Time to Restart	Set the time start printing received documents.
	Quiet Mode	Set the quiet mode to enable or disable.
Forward Settings		Configure settings for transferring received documents.
	Where to Forward	Click **Select from Contacts**, then select the destination for transferring received documents. You can select up to 5 destinations.
	Options When Forwarding Failed	Select this operation when transferring a received document has failed.
	Email Subject to Forward	Enter the subject of the email in ASCII within 50 characters or less when the transfer destination of received documents is email. If you do not specify this, leave it blank.
Email Notifications		Set whether to notify by email when the process for a received document is complete.

Function Settings

Item		Description
	Receive	Notify when you receive a fax.
	Printing	Notify when you finish printing a received fax.
	Save to Memory Device	Notify when you finish storing a received fax on an external memory device.
	Forward	Notify when you finish transferring a received fax.
	Recipient	Set the destination of the process completion email. Click **Select from Contacts** to select from contacts.

Conditions Output Settings (Top screen)

Item	Description
Number	Index number of the box.
Name	Name of the box.
Edit	Select the box and click **Edit** to switch to the editing screen.
Delete	Delete the selected box.

Conditions Output Settings (Editing screen)

Item	Description
Enable this Conditions Output Settings.	Enable the conditional box that has been set.
Number	Index number of the conditional output.
Name	Enter the name of the box. Enter within 30 characters or less in Unicode (UTF-8) without control characters If you do not specify this, leave it blank. Double-bytes character and single-byte characters are both counted as one character.
Condition(s)	Set the conditions for distributing received documents.

Function Settings

Item		Description
	Number	Set the sender's phone number as a condition. Select the condition to match, and then enter the phone number.
		Enter within 20 characters or less using 0-9, +, *, #, or space for the phone number. If you do not specify this, leave it blank.
	Subaddress(SUB)	Set the sub address as a condition. When you select **Equals**, enter the sub address to match.
		Enter within 20 characters or less using 0-9, *, #, or space for the sub address. If you do not specify this, leave it blank.
	Password(SID)	Set the password of the sub address as a condition. When you select **Equals**, enter the password to match.
		Enter within 20 characters or less using 0-9, *, #, or space for the password. If you do not specify this, leave it blank.
	Receiving Time	Set to specify the time that the condition applies. Overtime setting is the same as disabling the condition setting, and conditional output does not apply.
	Start Time	Set the start time that the condition applies.
	End Time	Set the end time that the condition applies.
Fax Output		Set the processing method for when the situation matches the conditions.
	Printing	Select to print for when received documents match the conditions.
	Save to Fax Box	Select to store in the inbox or confidential box for when received documents match the conditions.
		Select the name of the **Inbox** and **Personal Box** from the pull-down menu.
	Save to Memory Device	Select to store to an external memory device for when received documents match the conditions.
	Forward	Select to transfer for when received documents match the conditions. Click **Select from Contacts** to select the transfer destination from the contacts.
	Options When Forwarding Failed	Select this operation when conditional processing has failed.
Email Notifications		Set whether to notify by email when completing the conditional output.
	Receive	Notify when you store received documents in the inbox or confidential box.
	Printing	Notify when you finish printing a received fax.
	Save to Memory Device	Notify when you finish storing a received fax on an external memory device.
	Forward	Notify when you finish transferring a received fax.
	Recipient	Set the destination of the process completion email. Click **Select from Contacts** to select from contacts.
Report Settings		Set the report for conditional output.
	Transmission Report	Select a condition to output from the conditional output result report.

Function Settings

Fax Block Settings

Item		Description
Rejection Fax		Set a rejection of the incoming faxes from the other party's number.
	Rejection Number List	If the other party's phone number is in the rejection number list, set whether to reject the incoming faxes.
	Fax Header Blank Blocked	If the other party's phone number is blocked, set whether to reject the incoming faxes.
	Unregistered Contacts	If the other party's phone number is not in the contacts, set whether to reject the incoming faxes.
Rejection Number List		Register the other party's phone number to reject incoming faxes and calls. You can register up to 30 destinations. Enter within 20 characters or less using 0-9, *, #, or space for the other party's phone number, and then click **Add**. You can also register from **Add from Call History**. To delete registered phone number(s), select them, and then click **Delete**. Click **OK** on the page to add the registered phone number.

Inbox

Select the menu to switch to the editing screen of the inbox. When the password is set to the inbox, and the administrator password is not configured, switch to the password entry screen. When the administrator password is set, switch to the editing screen regardless of the password setting of the inbox.

Item	Description
Change Password	Select whether to change the password of the box.
Box Password	Set the password of the box. Enter within 20 characters or less in ASCII (0x20-0x7E).If you do not specify this, leave it blank.
Confirm Password	Enter the password to confirm.
Operation Fax Data Full	Set the operation when the inbox memory is full.

Personal Box (Editing screen)

Select the menu to switch to the editing screen of the inbox. When the password is set to the inbox, and the administrator password is not configured, switch to the password entry screen. When the administrator password is set, switch to the editing screen regardless of the password setting of the inbox.

Item	Description
Number	Index number of the box.
Name	Enter the name of the box. Enter within 30 characters or less in Unicode (UTF-8) without control characters. If you do not specify this, leave it blank. Double-bytes character and single-byte characters are both counted as one character.
Change Password	Select whether to change the password of the box.

Function Settings

Item	Description
Box Password	Set the password of the box. Enter within 20 characters or less in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
Confirm Password	Enter the password to confirm.

Report Settings

Item	Description
Forwarding Report	Set whether to print the report on transferring of the received document.
Backup Error Report	Set whether to print the report in case automatic backup after fax transmission fails.
Fax Log Auto Print	Set whether to print the fax log automatically. Select **On(Every 30)** to print a log every time 30 fax jobs are completed. Select **On(Time)** to print the log at a specified time. However, if the number of fax jobs exceeds 30, the log is printed before the specified time. If you select **On(Time)**, it will also set the time to be printed.
Attach Image to Report	Prints a **Last Transmission Report** with an image of the first page of the sent document. Select **On(Large Image)** to print the upper part of the page without reducing. Select **On(Small Image)** to print the entire page reducing it to fit onto the report.
Report Format	Set the display format of the fax log report and transmission result report. If the display format is **Detail**, error codes will be displayed.
Output Method	Select the output destination of the report.
Where to Forward (When the report output destination is [Forward])	Select the destination when the output destination of the report is set to **Forward**. Click **Select from Contacts** to select a destination from the contacts.

Line Settings

Item	Description
Line Type	Select the line type to which you have connected the printer. When using the printer in an environment that uses extensions and requires an external access code, such as 0 and 9, to get an outside line, select **PBX** and register the access code. Once you have registered the access code, enter # (hashtag) instead of the access code when sending a fax to an outside fax number. For an environment that uses a DSL modem or terminal adapter, setting to **PBX** is also recommended.
Access Code	Set whether or not to use the access code. Register when **PBX** is used and when the access code is required for outside access. If enabled, enter within four characters or less using 0-9, *, or # when accessing. If you do not specify this, leave it blank.
Dial Mode	Select the type of phone system to which you have connected the printer. When set to **Pulse**, you can temporarily switch the dialing mode from pulse to tone by pressing ⁎ ("T" is entered) while entering numbers on the fax top screen. This setting may not be displayed depending on your region or country.

Item	Description
Fax Speed	Set the fax transmission speed. When communication errors occur often or when using an IP telephone in an environment, **Slow(9,600bps)** is recommended.
ECM	Automatically corrects errors in the fax transmission (Error Correction Mode), which are mainly caused by telephone line noise. If this is disabled, you cannot send or receive documents in color.
Dial Tone Detection	Detects a dial tone before starting to dial. If the printer is connected to a PBX (Private Branch Exchange) or IP telephone, you cannot dial the number. In this situation, change the **Line Type** setting to **PBX**. If this does not work, disable this feature. However, disabling this feature may drop the first digit of a fax number and send the fax to the wrong number.

Security Settings

Item	Description
Direct Dialing Restrictions	Enable this to disable the manual entry of recipient's fax numbers allowing the operator to select recipients only from the contacts list or sent history. Select **Enter Twice** to require the operator to enter the fax number again when the number was manually entered.
Confirm Address List	Displays a recipient confirmation screen before starting the transmission.
Backup Data Auto Clear	To prepare for an unexpected power off due to an electricity failure or an incorrect operation, the printer temporarily stores backup copies of sent and received documents in its memory. Enable this option to automatically erase the backups when sending or receiving a document completes successfully and the backups become unnecessary.

Using PC-FAX Function

When FAX Utility is installed on the client computer connected by network or USB cable, sending and receiving faxes is enabled.

Set up the following.

1. Access the Web Config and select the **Fax** tab > **Send Settings** > **Basic**.

2. Select **Use** for **PC to FAX Function**.

3. Click **OK**.

Related Information

➡

Using Contacts

Destination Setting Features

You can use the printer's contacts list or the LDAP server to choose the destination for the scan and fax features.

Function Settings

Note:
❏ *The available features may vary by model. For more details, see the printer's documentation.*

❏ *You can switch between your printer's contacts list and the LDAP using the printer's control panel.*

❏ *To use email features, you need to configure a mail server.*

Related Information

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➡

Configuring Contacts

The Contacts list can include the following types of destinations:

❏ **Fax**: Destination for fax

❏ **Email**: Destination for email

❏ **Network Folder (SMB)/FTP**: Destination for scan data and fax forwarding data

Contacts Configuration Comparison

There are three tools for configuring the printer's contacts: Web Config, EpsonNet Config, and the printer's control panel. The differences between three tools are listed in the table below. Using EpsonNet Config will open Web Config, and you can then configure using Web Config.

Features	Web Config	Printer's control panel
Registering a destination	✓	✓
Editing a destination	✓	✓
Adding a group	✓	✓
Editing a group	✓	✓
Deleting a destination or groups	✓	✓
Deleting all destinations	✓	–
Copying destinations or groups	–	–
Importing a file	✓	–
Exporting to a file	✓	–
Assigning destinations to frequent use	✓	✓
Sorting destinations assigned to frequent use	–	✓

Note:
You can also configure the fax destination using the FAX Utility.

Registering a Destination to Contacts

1. Access Web Config and select the **Scan/Copy** or **Fax** tab > **Contacts**.

2. Select the number that you want to register, and then click **Edit**.

3. Enter **Name** and **Index Word**.

4. Select the destination type as the **Type** option.

   Note:
   You cannot change the Type option after registration is complete. If you want to change the type, delete the destination and then register again.

5. Enter a value for each item, and then click **Apply**.

Related Information

➡ "Accessing Web Config" on page 39
➡ "Destination Setting Items" on page 65
➡ "Backing Up the Contacts and Settings" on page 92

Destination Setting Items
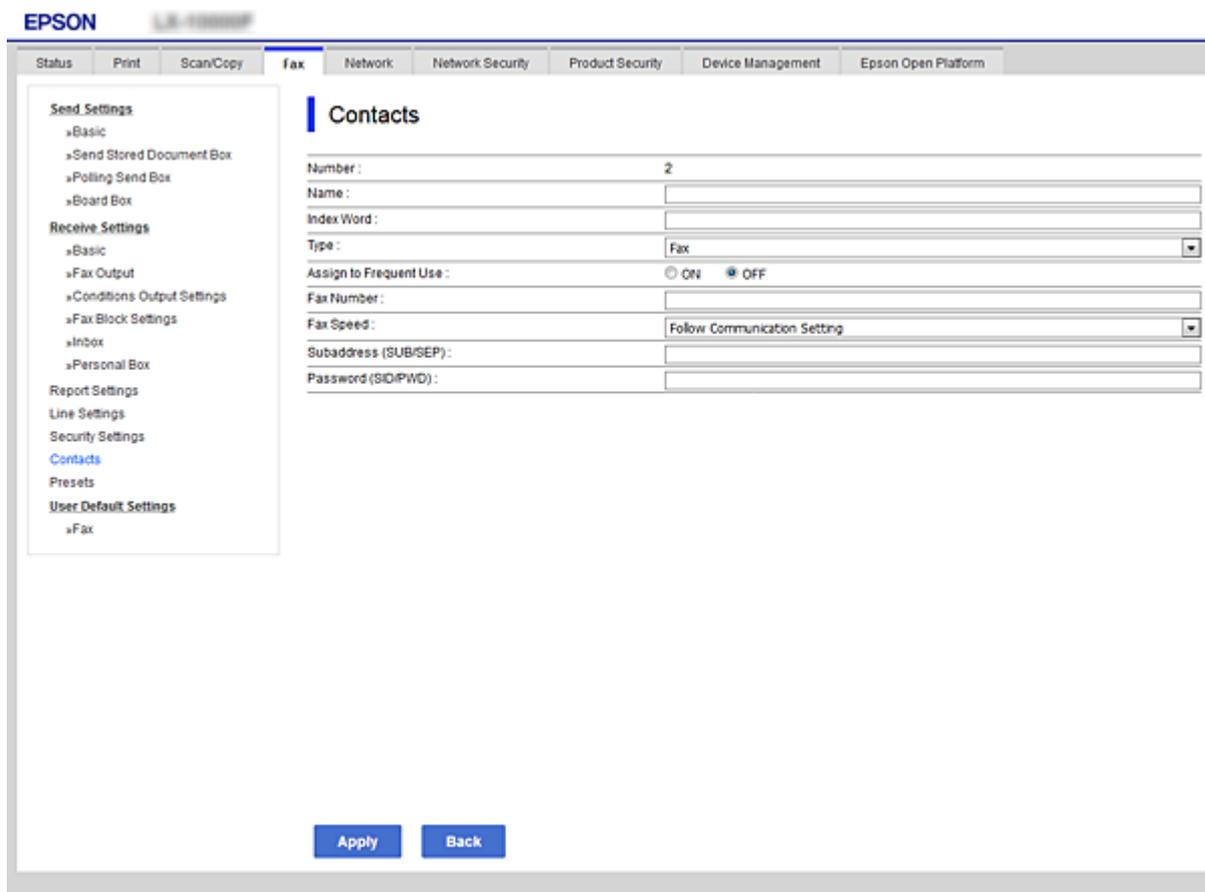
Function Settings

Items	Settings and Explanation
Common Settings	
Name	Enter a name displayed in the contacts in 30 characters or less in Unicode (UTF-8). If you do not specify this, leave it blank.
Index Word	Enter words to search in 30 characters or less in Unicode (UTF-8). If you do not specify this, leave it blank.
Type	Select the type of the address that you want to register.
Assign to Frequent Use	Select to set the registered address as a frequently used address. When setting as a frequently used address, it is displayed on the top screen of fax and scan, and you can specify the destination without displaying the contacts.
Fax	
Fax Number	Enter between 1 and 64 characters using 0-9 - * # and space.
Fax Speed	Select a communication speed for a destination.
Subaddress (SUB/SEP)	Set the sub address of the box. Enter within 20 characters or less using 0-9, *, # or spaces. If you do not specify this, leave it blank.
Password (SID/PWD)	Set the password for the sub address. Enter within 20 characters or less using 0-9, *, # or spaces. If you do not specify this, leave it blank.
Email	
Email Address	Enter between 1 and 255 characters using A-Z a-z 0-9 ! # $ % & ' * + - . / = ? ^ _ { | } ~ @.
Network Folder (SMB)	
Save to	\\"Folder path" Enter the location where the target folder is located between 1 and 253 characters in Unicode (UTF-8), omitting "\\".
User Name	Enter a user name to access a network folder in 30 characters or less in Unicode (UTF-8). However, avoid using control characters (0x00 to 0x1f, 0x7F).
Password	Enter a password to access a network folder in 20 characters or less in Unicode (UTF-8). However, avoid using control characters (0x00 to 0x1f, 0x7F).
FTP	
Save to	Enter the server name between 1 and 253 characters in ASCII (0x20-0x7E), omitting "ftp://".
User Name	Enter a user name to access an FTP server in 30 characters or less in Unicode (UTF-8). However, avoid using control characters (0x00 to 0x1f, 0x7F). If the server allows anonymous connections, enter a user name such as Anonymous and FTP. If you do not specify this, leave it blank.
Password	Enter a password to access to an FTP server within 20 characters or less in Unicode (UTF-8). However, avoid using control characters (0x00 to 0x1f, 0x7F). If you do not specify this, leave it blank.
Connection Mode	Select the connection mode from the menu. If a firewall is set between the printer and the FTP server, select **Passive Mode**.
Port Number	Enter the FTP server port number between 1 and 65535.

Related Information

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Registering Destinations as a Group

If the destination type is set to **Fax** or **Email**, you can register the destinations as a group.

1. Access Web Config and select the **Scan/Copy** or **Fax** tab > **Contacts**.

2. Select the number that you want to register, and then click **Edit**.

3. Select a group from **Type**.

4. Click **Select** for **Contact(s) for Group**.

   The available destinations are displayed.

5. Select the destination that you want to register to the group, and then click **Select**.
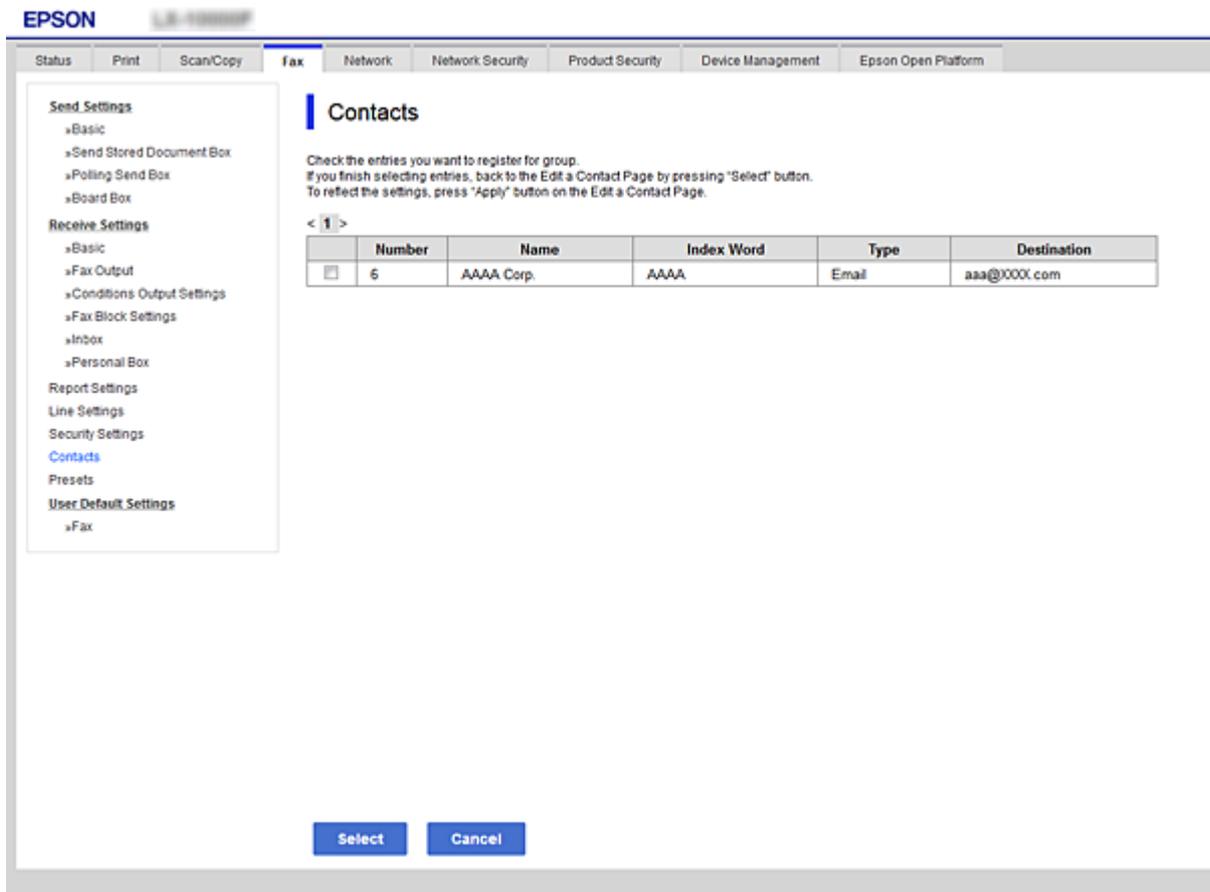
6. Enter a **Name** and **Index Word**.

7. Select whether or not you assign the registered group to the frequently used group.

   Note:
   Destinations can be registered to multiple groups.

8. Click **Apply**.

Related Information

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Cooperation between the LDAP Server and Users

When cooperating with the LDAP server, you can search and specify the destination for email or fax from the contacts on the LDAP server.

Related Information

➡

Configuring the LDAP Server

1. Access the Web Config and select the **Network** tab > **LDAP Server** > **Basic**.

2. Enter a value for each item.

3. Select **OK**.

   The settings you have selected are displayed.

Related Information

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Function Settings

LDAP Server Setting Items
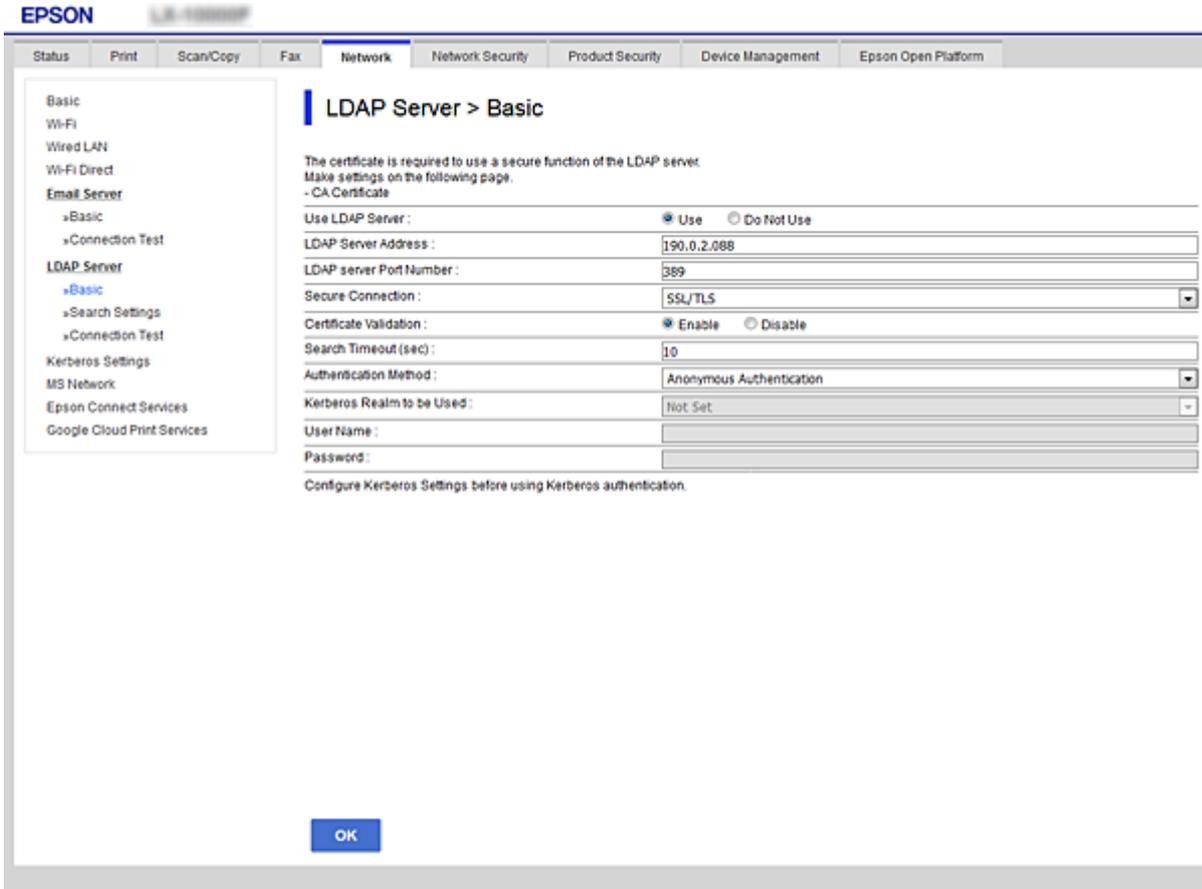
Items	Settings and Explanation
Use LDAP Server	Select **Use** or **Do Not Use**.
LDAP Server Address	Enter the address of the LDAP server. Enter between 1 and 255 characters of either IPv4, IPv6, or FQDN format. For the FQDN format, you can use alphanumeric characters in ASCII (0x20-0x7E) and "- " except for the beginning and end of the address.
LDAP server Port Number	Enter the LDAP server port number between 1 and 65535.
Secure Connection	Select the encryption method for connecting to the LDAP server.
Certificate Validation	Specify whether to validate the certificate when connecting to the LDAP server.
Search Timeout (sec)	Set the length of time for searching before timeout occurs between 5 and 300.
Authentication Method	Select one of the methods. If you select **Kerberos Authentication**, select **LDAP Server** > **Kerberos Settings** to make settings for Kerberos.
Kerberos Realm to be Used	If you select **Kerberos Authentication** for **Authentication Method**, select the Kerberos realm that you want to use.

Function Settings

Items	Settings and Explanation
User Name	Enter the user name for the LDAP server in 128 characters or less in Unicode (UTF-8). You cannot use control characters, such as 0x00-0x1F and 0X7F. This setting is not used when **Anonymous Authentication** is selected as the **Authentication Method**. If you do not specify this, leave it blank.
Password	Enter the password for the LDAP server authentication in 128 characters or less in Unicode (UTF-8). You cannot use control characters, such as 0x00-0x1F and 0X7F. This setting is not used when **Anonymous Authentication** is selected as the **Authentication Method**. If you do not specify this, leave it blank.

Related Information

Kerberos Settings

If you select **Kerberos Authentication** for **Authentication Method** of **LDAP Server** > **Basic**, make the following Kerberos settings from the **Network** tab > **Kerberos Settings**. You can make up to 10 settings for the Kerberos settings.

Items	Settings and Explanation
Realm (Domain)	Enter the realm of the Kerberos authentication in 255 characters or less in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
KDC Address	Enter the address of the Kerberos authentication server. Enter 255 characters or less in either IPv4, IPv6 or FQDN format. If you do not specify this, leave it blank.
Port Number (Kerberos)	Enter the Kerberos server port number between 1 and 65535.

Configuring the LDAP Server Search Settings

1. Access Web Config and select the **Network** tab > **LDAP Server** > **Search Settings**.

2. Enter a value for each item.

3. Click **OK** to display the setting result.

    The settings you have selected are displayed.

Related Information

Function Settings

LDAP Server Search Setting Items
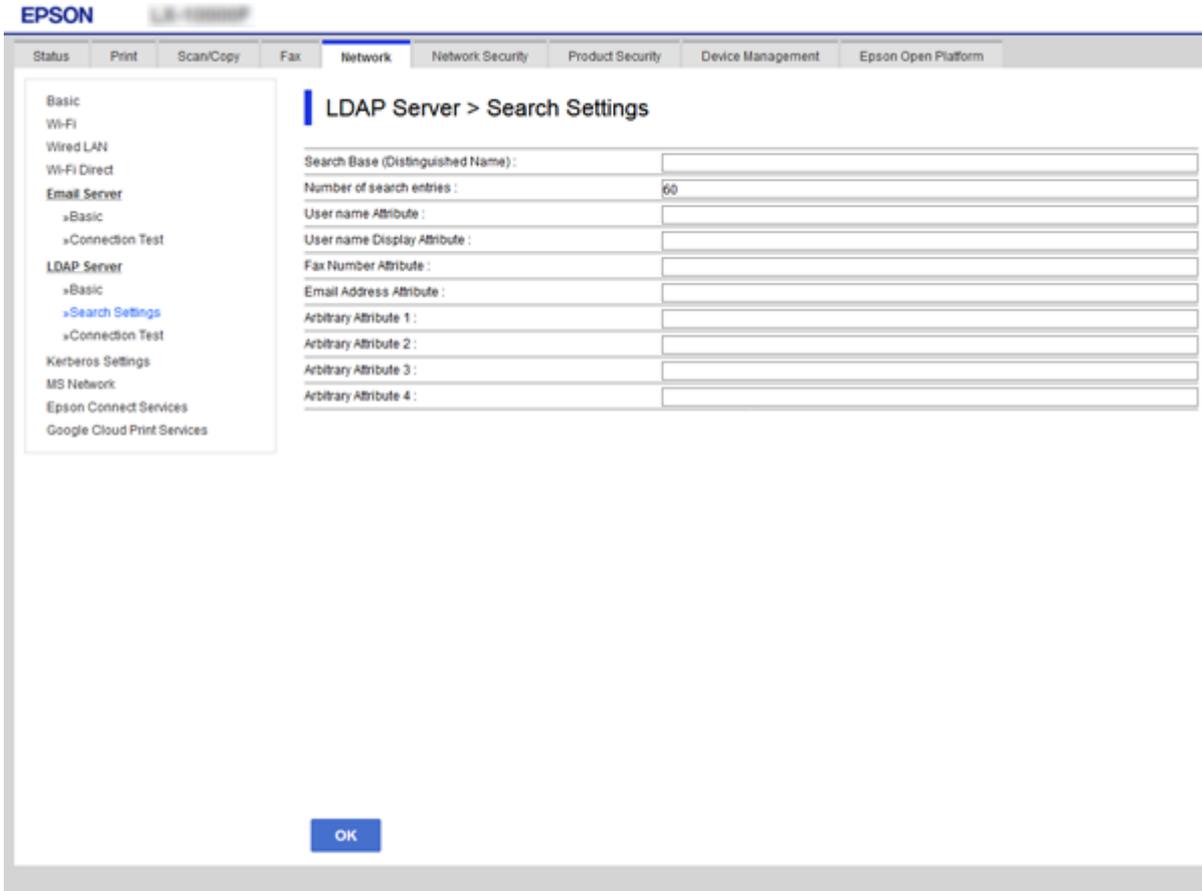
Items	Settings and Explanation
Search Base (Distinguished Name)	If you want to search an arbitrary domain, specify the domain name of the LDAP server. Enter between 0 and 128 characters in Unicode (UTF-8). If you do not search for arbitrary attribute, leave this blank. Example for the local server directory: dc=server,dc=local
Number of search entries	Specify the number of search entries between 5 and 500. The specified number of the search entries is saved and displayed temporarily. Even if the number of the search entries is over the specified number and an error message appears, the search can be completed.
User name Attribute	Specify the attribute name to display when searching for user names. Enter between 1 and 255 characters in Unicode (UTF-8). The first character should be a-z or A-Z. Example: cn, uid
User name Display Attribute	Specify the attribute name to display as the user name. Enter between 0 and 255 characters in Unicode (UTF-8). The first character should be a-z or A-Z. Example: cn, sn
Fax Number Attribute	Specify the attribute name to display when searching for fax numbers. Enter a combination of between 1 and 255 characters using A-Z, a-z, 0-9, and -. The first character should be a-z or A-Z. Example: facsimileTelephoneNumber

Function Settings

Items	Settings and Explanation
Email Address Attribute	Specify the attribute name to display when searching for email addresses. Enter a combination of between 1 and 255 characters using A-Z, a-z, 0-9, and -. The first character should be a-z or A-Z. Example: mail
Arbitrary Attribute 1 - Arbitrary Attribute 4	You can specify other arbitrary attributes to search for. Enter between 0 and 255 characters in Unicode (UTF-8). The first character should be a-z or A-Z. If you do not want to search for arbitrary attributes, leave this blank. Example: o, ou

Related Information

➡

Checking the LDAP Server Connection

1. Access Web Config and select the **Network** tab > **LDAP Server** > **Connection Test**.

2. Select **Start**.

   The connection test is started. After the test, the check report is displayed.

Related Information

➡
➡

LDAP Server Connection Test References

Messages	Explanation
Connection test was successful.	This message appears when the connection with the server is successful.
Connection test failed. Check the settings.	This message appears for the following reasons: ❏ The LDAP server address or the port number is incorrect. ❏ A timeout has occurred. ❏ **Do Not Use** is selected as the **Use LDAP Server**. ❏ If **Kerberos Authentication** is selected as the **Authentication Method**, settings such as **Realm (Domain)**, **KDC Address** and **Port Number (Kerberos)** are incorrect.
Connection test failed. Check the date and time on your product or server.	This message appears when the connection fails because the time settings for the printer and the LDAP server are mismatched.
Authentication failed. Check the settings.	This message appears for the following reasons: ❏ **User Name** and/or **Password** is incorrect. ❏ If **Kerberos Authentication** is selected as the **Authentication Method**, the time/date may not be configured.

Function Settings

Messages	Explanation
Cannot access the printer until processing is complete.	This message appears when the printer is busy.

Related Information

➡ "Checking the LDAP Server Connection" on page 72

Making System Settings

Setting the Control Panel

Setup for the printer's control panel. You can set up as follows.

1. Access Web Config and select the **Device Management** tab > **Control Panel**.

2. Set up the following items as necessary.

    ❏ Language

    Select the displayed language on the control panel.

    ❏ Panel Lock

    If you select **ON**, the administrator password is required when you perform an operation that requires the administrator's authority. If the administrator password is not set, panel lock is disabled.

    ❏ Operation Timeout

    If you select **ON**, when you log in as the access control user or administrator, you are automatically logged out and go to the initial screen if there is no activity for a certain period of time.

    You can set between 10 seconds and 240 minutes by the second.

3. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Power Saving Settings During Inactivity

Make the power saving setting for the printer's period of inactivity. Set the time depending on your usage environment.

Note:
You can also make the power saving settings on the printer's control panel.

1. Access Web Config and select the **Device Management** tab > **Power Saving**.

2. Enter the time for the **Sleep Timer** to switch to power saving mode when inactivity occurs.

    You can set up to 240 minutes by the minute.

3. Select the turning off time for the **Power Off Timer**. If you use the fax function, set to **None**.

4. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Setting the Sound

Make the sound settings when operating the control panel, printing, faxing and so on.

1. Access Web Config and select the **Device Management** tab > **Sound**.

2. Set up the following items as necessary.

❏ Normal Mode

Set the sound when the printer is set to **Normal Mode**.

❏ Quiet Mode

Set the sound when the printer is set to **Quiet Mode**.

This is enabled when the one of the following items is enabled.

❏ Printer's control panel:

Settings > **General Settings** > **Printer Settings** > **Quiet Mode**

Settings > **General Settings** > **Fax Settings** > **Receive Settings** > **Print Settings** > **Quiet Mode**

❏ Web Config :

Fax tab > **Receive Settings** > **Fax Output** > **Quiet Mode**

3. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Synchronizing the Date and Time with Time Server

If you use a CA certificate, you can prevent trouble with the time.

1. Access Web Config and select the **Device Management** tab > **Date and Time** > **Time Server**.

2. Select **Use** for **Use Time Server**.

3. Enter the time server address for **Time Server Address**.

You can use IPv4, IPv6 or FQDN format. Enter 252 characters or less. If you do not specify this, leave it blank.

4. Enter **Update Interval (min)**.

You can set up to 10,800 minutes by the minute.

5. Click **OK**.

   Note:
   *You can confirm the connection status with the time server on **Time Server Status**.*

Related Information

➡ "Accessing Web Config" on page 39

Setting the Default Value for Scanning and Copying (User Default Settings)

You can set the default value for the functions.

You can set the following functions.

❏ Scan to Network Folder/FTP

❏ Scan to Email

❏ Scan to Memory Device

❏ Scan to Cloud

❏ Copy

❏ Fax

1. Access Web Config and select the functions for which you want to set the default value for the **Scan/Copy** tab > **User Default Settings**.

   Select the **Fax** tab > **User Default Settings** to set the default value for fax.

2. Set each item.

3. Click **OK**.

   If the combination of the value is invalid, a valid value that is automatically modified is displayed. Confirm the modified value and click **OK** again.

Related Information

➡ "Accessing Web Config" on page 39

Registering Settings Used Frequently to Preset

You can save settings such as scanning, copying, and the faxing function as presets. Register it after finishing the settings for each function.

You can set up the following functions.

❏ Scan to Network Folder/FTP

❏ Scan to Email

❏ Scan to Memory Device

❏ Scan to Cloud

❏ Copy

Function Settings

❏ Fax

1. Access Web Config and select **Scan/Copy** or **Fax** tab > **Presets**.

2. Select the registered number and click **Edit**.

3. Select **Type** for the preset you want to set.

    Note:
    *After registering, **Type** cannot be changed. If you want to change **Type** after registering, delete the preset and then re-register.*

4. Click **Next**.

5. Set up each item.

    Enter a **Name** between 1 and 30 characters in Unicode (UTF-8).

6. Click **OK**.

    If the combination of the value is invalid, a valid value that is automatically modified is displayed. Confirm the modified value and click **OK** again.

Related Information

➡ "Accessing Web Config" on page 39

Using MS Network

You can specify whether or not to enable MS network sharing.

When this is enabled, you can send the scanned result and received fax to the folder shared by the workgroup.

1. Access Web Config and select the **Network** tab > **MS Network**.

2. Select **Use Microsoft network sharing**.

3. Enter the name of the workgroup that the printer belongs to in **Workgroup Name** within 15 characters or less in ASCII.

4. Click **Next**.

5. Confirm the settings, and then click **OK**.

Related Information

➡ "Accessing Web Config" on page 39

Print Settings

Basic

Set the basic operation of the printer.

Select whether to disable **Speed Priority** and select the paper output destination for copying, faxing, etc.

Paper Source Settings

Set the size and type of paper to be loaded in each paper source.

Interface Settings

Select the printing language for print jobs sent directly via USB device or network.

Error Settings

Set for which device errors to display.

❏ Paper Size Notice

Set whether to display an error on the control panel when the paper size of the specified paper source is different from the paper size of the print data.

❏ Paper Type Notice

Set whether to display an error on the control panel when the paper type of the specified paper source is different from the paper type of the print data.

❏ Auto Error Solver

Set whether to automatically cancel the error if there is no operation on the control panel for 5 seconds after displaying the error.

Universal Print Settings

Make settings to print from external devices via the printer driver.

Using Epson Connect Service

By using Epson Connect service available on the Internet, you can print from your smartphone, tablet PC, or laptop, anytime and practically anywhere.

The features available on the Internet are as follows.

Email Print	Epson iPrint remote print	Scan to Cloud	Remote Print Driver
✓	✓	✓	✓

See the Epson Connect portal website for details.

https://www.epsonconnect.com/

http://www.epsonconnect.eu (Europe only)

Product Security Settings

This chapter explains the security settings of the device.

Introduction of Product Security Features

This section introduces the security function of the Epson Devices.

Feature name	Feature type	What to set	What to prevent
Setup for the administrator password	Locks the system settings, such as connection setup for network or USB, detail setup for fax reception/transmission or transferring, and the user default settings.	An administrator sets a password to the device. Configuration or update are available anywhere from Web Config, the control panel, Epson Device Admin, and EpsonNet Config.	Prevent from illegally reading and changing the information stored in the device such as ID, password, network settings, and contacts. Also, reduce a wide range of security risks such as leakage of information for the network environment or security policy.
Setup for access control	Limits the functions that can be used on devices, such as print, scan, copy, and fax for each user. If you log on with a user account registered in advance, you are allowed to use certain functions.	Register any user account, and then select the function you want to allow, such as copy and scan. You can register up to 10 user accounts.	The risk of leakage and unauthorized viewing of data can be reduced by minimizing the numbers of functions in accordance with the business content and the role of the user. In addition, after logging on from the control panel, you will be logged off automatically if there is no activity for a certain period of time.
Setup for external interface	Controls the interface, such as USB port and NFC port, that connects to the device.	Enable or disable the USB port for connecting external devices such as USB memory, NFC, and USB connection with the computer.	❏ USB port control: Reduces the possibility of data being taken through unauthorized scanning of confidential documents. ❏ NFC: Prevents illegal printing using NFC. ❏ USB connection of computer: Prevents unauthorized use of the device by prohibiting printing or scanning without going through the network.
Setup for processing saved data	Automatically erases job data temporarily stored in the built-in hard disc of the device. You can also safely erase all data stored in the hard disc.	Set whether to automatically delete when the job is finished. You can also erase all the data if you want to discard the device.	By overwriting with a specific pattern, you can prevent someone from restoring and using the data even if the hard disc is removed.

Product Security Settings

Related Information

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Configuring the Administrator Password

When you set the administrator password, users other than the administrators will not be able to change the settings for the system administration. You can set and change the administrator password using either Web Config, the printer's control panel, or software (Epson Device Admin or EpsonNet Config). When using the software, see the documentation for each software.

Related Information

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Configuring the Administrator Password from the Control Panel

You can set the administrator password from the printer's control panel.

1. Tap **Settings** on the printer's control panel.

2. Tap **General Settings** > **System Administration** > **Security Settings**.

3. Tap **Admin Settings**.

4. Tap **Admin Password** > **Register**.

5. Enter the new password, and then tap **OK**.

6. Enter the password again, and then tap **OK**.

7. Tap **OK** on the confirmation screen.

   The administrator settings screen is displayed.

8. Tap **Lock Setting**, and then tap **OK** on the confirmation screen.

Note:
*You can change or delete the administrator password when you select **Change** or **Reset** on the **Admin Password**screen and enter the administrator password.*

Configuring the Administrator Password Using Web Config

You can set the administrator password usingWeb Config.

1. Access Web Config and select the **Product Security** tab > **Change Administrator Password**.

2. Enter a password to **New Password** and **Confirm New Password**. Enter the user name, if necessary.

    If you want to change the password to new one, enter a current password.

3. Select **OK**.

    Note:
    ❏ *To set or change the locked menu items, click **Administrator Login**, and then enter the administrator password.*

    ❏ *To delete the administrator password, click**Administrator Settings** > **Delete Administrator Authentication Information**, and then enter the administrator password.*

Related Information

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Items to be Locked by Administrator Password

Administrators have setting and change privileges for all features on devices.

<div align="center">

Product Security Settings

</div>

In addition, if an administrator password is set on a device, it locks and does not allow the item for network setting to be changed and restricts user features relating to device management.

The following are the items that an administrator can control.

Item	Description
Maintenance information (Web Config only)	Confirm information about the total pages for printing, paper size, color/black and white, pages of printing for 2-sided and 1-sided, and printing pages for each language of the printer.
Maintenance contacts	Registering and editing of a destination to the contacts.
User default setting	The default setting of push scan and fax.
Access control	Setup for the user or functions that allow use.
Printer setting	Printing language settings, operation settings for error occurrence, etc.
Fax settings	General fax settings for reception and transmission, output, and communication mode.
Wi-Fi, Ethernet connection settings	Change the name of devices and the IP address, setup of the DNS server or proxy server, and setting changes related to network connections.
User services setting	Setup for controlling communication protocols or MS Network, Network scan, and Wi-Fi Direct services.
Email server setting	Setup of an email server that devices directly communicate with.
LDAP server setting	Setup to use the contacts on the LDAP server as an email or fax destination.
Security setting	Settings for network security, such as SSL/TLS communication, IPsec/IP filtering, and IEEE802.1X.
Cloud service connection setting	Connection setup for the Epson Connect service or another company's cloud service. And updating a root certificate that is necessary for cloud service.
Firmware update	Check and update the firmware of devices.
Time, timer setting	Sleep transition time, auto power off, date/time, non-operation timer, other settings related to a timer.
Default mode setting	Setting of the control panel when the printer is turned on. You can set the features of the screen to something like copy and fax, instead of the home screen.
Home setting	Placement and background color setting of the home screen.
Default screen of status confirmation	Setting of the status display of the print job or a printer that is displayed by tapping the **Job/Status** of the control panel.
Scan setting	Email server setting, destination confirmation before scan, Document Capture Pro setting.
Favorite setting	Registering and deleting of favorites.
Register/Delete the contacts limit*	Omitting registration and deletion of contacts from the setting items that are locked by the administrator password.
Log access setting	Setting for the display of detailed information about the job history, such as job log, fax recent access, sent history of Scan to Email.
Log and report print setting*	Setting to print logs and reports, such as save history of Scan to Network Folder/FTP, fax report.
Language setting*	Setting for the language displayed on the control panel.

Product Security Settings

Item	Description
Settings affecting print speed*	Print settings that affect print speed, such as Thick Paper, Quiet Mode, Print Speed Priority.
Personal data display setting*	Setting for the display of the folder path, such as destination for Scan to Network Folder/FTP.
Transmission of printer information setting	Setting transmission information of the printing count.
Detection of double feed setting*	Setting for detection of double feed of the document to be scanned.
Deletion of internal memory	Setting deletion of data from the internal memory of the printer.
Delete all password printing jobs	Setting deletion of all password printing jobs.
Restore to default settings	Setting for the printer to be re-set to factory settings.
Administrator setting	Setting of the administrator lock or administrator password.
Epson Open Platform setting	Setting to enable the Epson Open Platform. Set when using the printer on an authentication system that supports Epson Open Platform, such as Epson Print Admin.
Certified device setting	ID setting of the authentication device. Set when using the printer on an authentication system that supports authentication devices, such as Epson Print Admin.

* You can omit from the locked items.

Related Information

➡ "Changing Settings for Items Locked by the Administrator Password" on page 82

Changing Settings for Items Locked by the Administrator Password

For some functions, you can switch between including to and omitting from the items locked by the administrator password.

1. Tap **Settings** on the printer's control panel.

2. Tap **General Settings** > **System Administration** > **Security Settings**.

3. Tap **Restrictions**.

4. Tap the item for the function that you want to change the setting of, and then set to **On** or **Off**.

Restricting Available Features

You can create up to 10 unique users and restrict available printer features for each user. Users have to log in with a username and password using the printer's control panel. Users can log out manually or the printer will log them out automatically after a period of time.

If you want to restrict printing from the printer driver and the scanner driver, use the dedicated driver for the printer.

If you use the printer from a Windows computer, you can assign the user name and password to the printer driver and the scanner driver in advance. The printer will authenticate the user automatically when using the computer and you will not need to enter a password each time. For more information on configuring the driver, see the driver's help.

You cannot use this feature with Mac OS.

Configuring Access Control

1. Access Web Config and select the **Product Security** tab > **Access Control Settings** > **Basic**.

2. Select the **Enables Access Control** box and click **OK**.

> ❗ *Important:*
>
> *If you un-check the **Allows printing and scanning without authentication information** box, unauthenticated jobs sent from the following sources will not be received:*
>
> ❏ *The OS default driver*
>
> ❏ *The PCL printer driver/ PostScript printer driver*
>
> ❏ *Web services such as Epson Connect and Google Cloud Print*
>
> ❏ *Smartphones and other mobile devices*
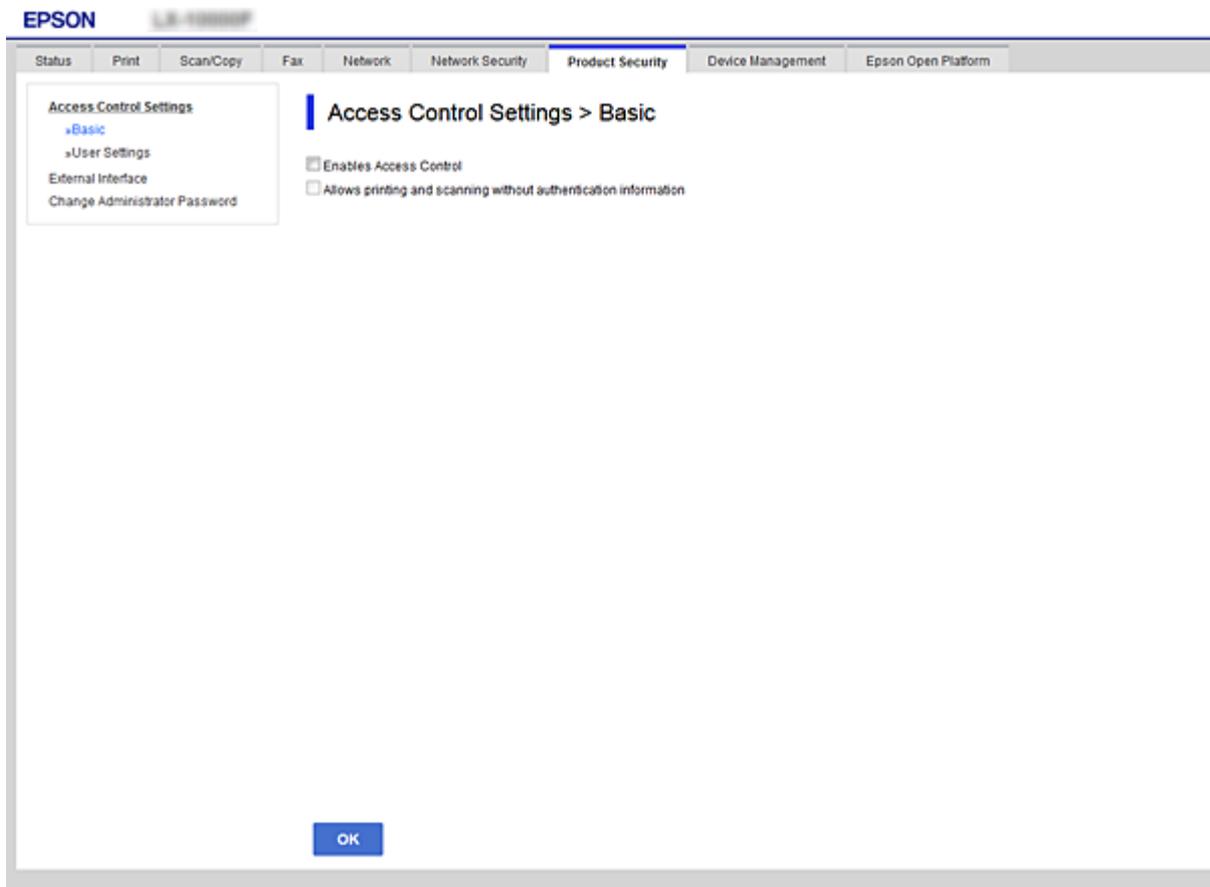
3. Select the **Product Security** tab > **Access Control Settings** > **User Settings**.

4. Click **Add**, then enter a value for each item.

5. Click **Apply**.

    Note:
    ***Delete** is displayed when you edit a registered user. Click it to delete a user.*

Related Information

User Features Setting Items
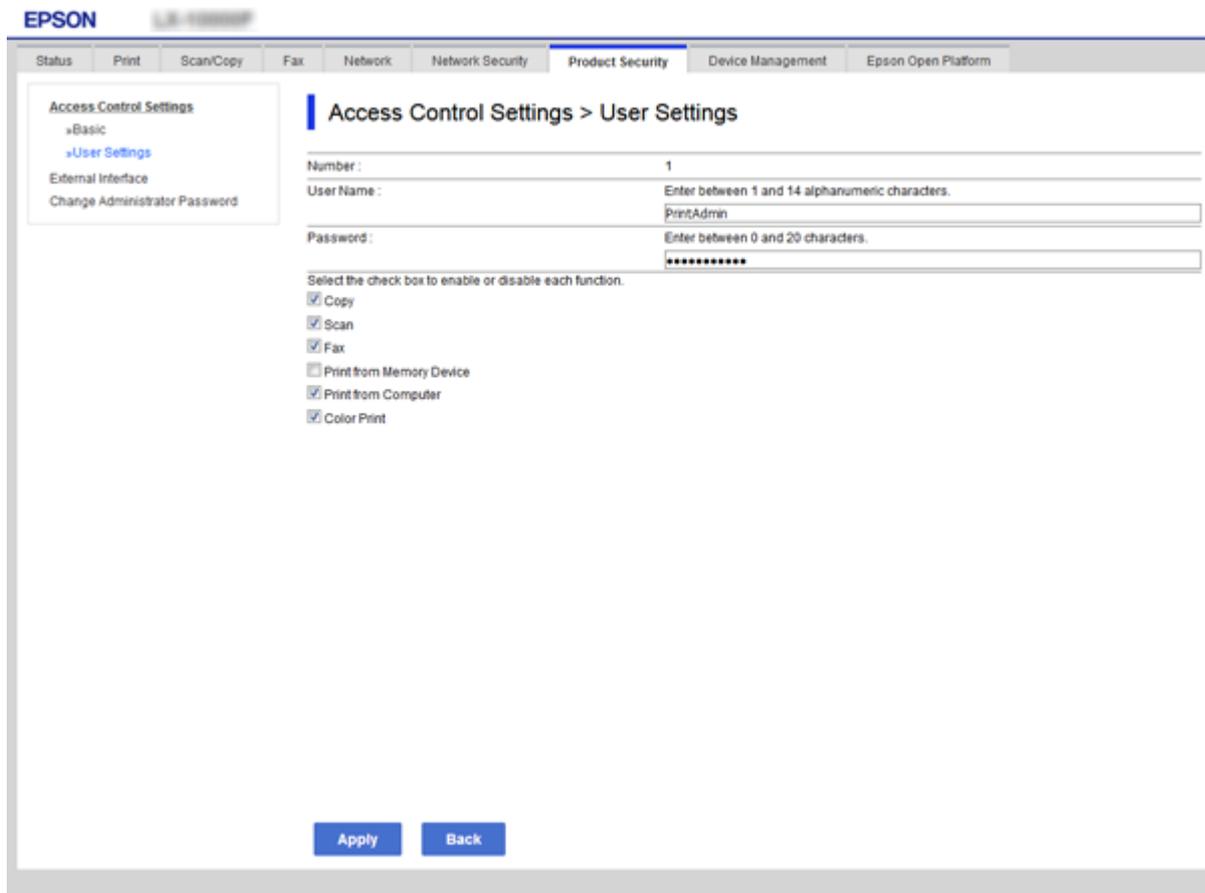
Items	Settings and Explanation
User Name	Enter a display name on the list between 1 and 14 characters in ASCII (0x20-0x7E).
Password	Enter between 0 and 20 characters in ASCII (0x20-0x7E). If you want to restore a password to the default, leave the field blank.
Select the check box to enable or disable each function.	Checked functions are allowed for use.

Setting the Restriction for the External Interface

You can restrict the usage of the USB connection from the computer. Make the restriction settings to restrict printing and scanning other than via network.

Note:
You can also make the restriction settings on the printer's control panel.

1. Access Web Config and select the **Product Security** tab > **External Interface**.

2. Select **Enable** or **Disable**.

    If you want to restrict it, select **Disable**.

3. Click **OK**.

Related Information

➡

Making Settings for Processing Saved Data

You can make settings for processing data stored in the internal hard disc.

Jobs for printing, copying, and scanning are temporarily saved to the hard disc in order to handle the data for authenticated printing and the large amount of copying, scanning, printing, etc. Make settings to safely erase this data.

Sequential Deletion from Hard Disk

When enabled, the target data is erased sequentially when it becomes unnecessary, such as when printing or scanning is completed. The target to be deleted is data written while this function is enabled.

Because access to the hard disc is necessary, the time to enter power saving mode will be delayed.

Erase All Memory

Erases all data on the hard disc. You cannot perform other operations or turn off the device during formatting.

❏ High Speed: Erases all data with a dedicated erase command.

❏ Overwrite: Erases all data with a dedicated erase command, and overwrites other data in all areas to erase all data.

Related Information

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Making Settings for Sequential Deletion

Note:
You can also make settings from the device's control panel.

Product Security Settings

1. Access Web Config and select the **Device Management** > **Stored Data**.

2. Select **ON** for **Sequential Deletion from Hard Disk**.

3. Click **OK**.

Format the Internal Hard Disc

1. Tap **Settings** on the home screen on the device's control panel.

2. Tap **General Settings** > **System Administration** > **HDD Erase Settings**.

3. Tap **Erase All Memory**.

4. Tap **High Speed** or **Overwrite** according to the purpose.

5. Tap **Yes** on the confirmation screen.

6. Tap **OK** on the completion screen.

Operation and Management Settings

This chapter explains the items related to the daily operations and management of the device.

Logging on to the Printer as an Administrator

If the administrator password is set to the printer, you need to log on as an administrator to operate the locked menu items.

Logging on the Printer Using the Control Panel

1. Tap .

2. Tap **Administrator**.

3. Enter the administrator password.

4. Tap **OK**.

    is displayed when being authenticated, then you can operate the locked menu items.

   Tap to log off.

Note:
When you select **On** *for* **Settings** > **General Settings** > **Basic Settings** > **Operation Time Out***, you log off automatically after a specific length of time if there is no activity on the control panel.*

Logging on to the Printer Using Web Config

1. Enter the printer's IP address into a browser to run Web Config.

2. Click **Administrator Login**.

3. Enter the user name and administrator password in **User Name** and **Current password**.

4. Click **OK**.

   The locked items and **Administrator Logout** are displayed when being authenticated.

   Click **Administrator Logout** to log off.

Note:
When you select **ON** *for the* **Device Management** *tab* > **Control Panel** > **Operation Timeout***, you log off automatically after a specific length of time if there is no activity on the control panel.*

Confirm Information of a Device

You can check the following information of the operating device from **Status** by using Web Config.

❏ Product Status

Check the language, status, cloud service, product number, MAC address, etc.

❏ Network Status

Check the information of the network connection status, IP address, DNS server, etc.

❏ Maintenance

Check the first day of printings, ink replacement count, printed pages, printing count for each language, scanning count, etc.

❏ Hardware Status

Check the status of each scanner and fax feature.

❏ Job History

Check the job log for a print job, reception job, and transmission job.

❏ Panel Snapshot

Display a screen image snapshot that is displayed on the control panel of the device.

Related Information

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Managing Devices (Epson Device Admin)

You can manage and operate many devices using Epson Device Admin. Epson Device Admin allows you to manage devices located on a different network. The following outlines the main management features.

For more information about functions and using the software, see the documentation or help of Epson Device Admin.

❏ Discovering devices

You can discovering devices on the network, and then register them to a list. If Epson devices such as printers and scanners are connected to the same network segment as the administrator's computer, you can find them even if they have not been assigned an IP address.

You can also discover devices that are connected to computers on the network by USB cables. You need to install the Epson Device USB Agent on the computer.

❏ Setting devices

You can make a template containing setting items such as the network interface and the paper source, and apply it to other devices as shared settings. When it is connected to the network, you can assign an IP address on a device that has not been assigned an IP address.

❏ Monitoring devices

You can regularly acquire the status and detailed information for devices on the network. You can also monitor devices that are connected to computers on the network by USB cables and devices from other companies that have been registered to the device list. To monitor devices connected by USB cables, you need to install the Epson Device USB Agent.

Operation and Management Settings

❏ Managing alerts

You can monitor alerts about the status of devices and consumables. The system automatically sends notification emails to the administrator based on set conditions.

❏ Managing reports

You can create regular reports as the system accumulates data on device usage and consumables. You can then save these created reports and send them by email.

Related Information

➡

Receiving Email Notifications When Events Occur

About Email Notifications

You can use this feature to receive alerts by email when events occur, such as your printer running out of paper. You can register up to 5 email addresses and choose which events you want to receive notifications for.

The mail server must be configured to use this function.

Related Information

➡

Configuring Email Notification

To use the feature, you need to configure a mail server.

1. Access Web Config and select the **Device Management** tab > **Email Notification**.

2. Enter an email address that you want to receive email notifications.

3. Select the language for the email notifications.

4. Check the boxes for the notifications you want to receive.
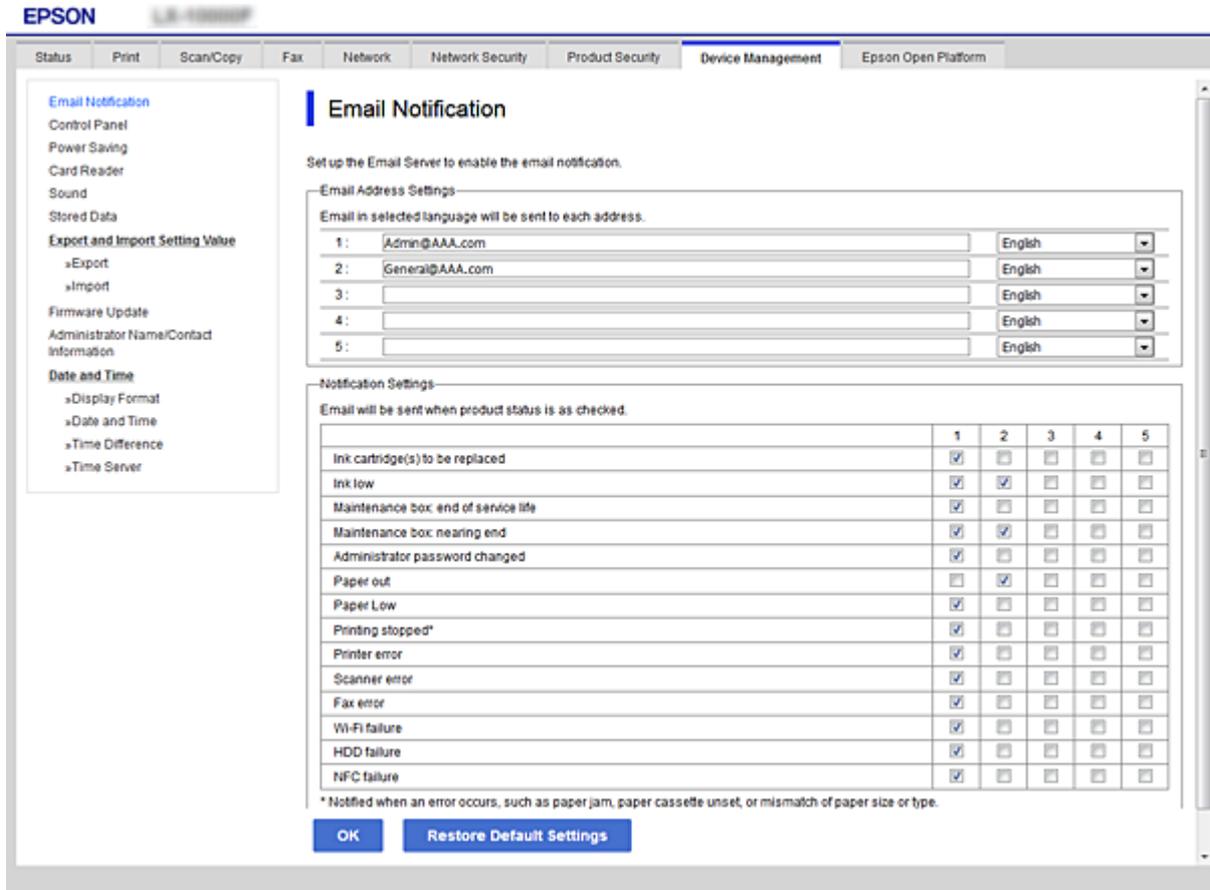
5. Click **OK**.

Related Information

Updating Firmware

Updating the Printer's Firmware using the Control Panel

If the printer is connected to the Internet, you can update the printer's firmware using the control panel. You can also set the printer to regularly check for firmware updates and notify you if any are available.

1. Tap **Settings** on the home screen.

2. Tap **General Settings** > **System Administration** > **Firmware Update**.

   Note:
   *Tap **Notification** > **On** to set the printer to regularly check for available firmware updates.*

3. Tap **Start Checking**.

    The printer starts searching for available updates.

4. If a message is displayed on the LCD screen informing you that a firmware update is available, follow the on-screen instructions to start the update.

> **!** *Important:*
> ❏ *Do not turn off or unplug the printer until the update is complete; otherwise, the printer may malfunction.*
>
> ❏ *If the firmware update is not completed or is unsuccessful, the printer does not start up normally and "Recovery Mode" is displayed on the LCD screen the next time the printer is turned on. In this situation, you need to update the firmware again using a computer. Connect the printer to the computer with a USB cable. While "Recovery Mode" is displayed on the printer, you cannot update the firmware over a network connection. On the computer, access your local Epson website, and then download the latest printer firmware. See the instructions on the website for the next steps.*

Updating Firmware Using Web Config

Updates firmware using Web Config. The device must be connected to the Internet.

1. Access Web Config and select the **Device Management** tab > **Firmware Update**.

2. Click **Start**.

    The firmware confirmation starts, and the firmware information is displayed if the updated firmware exists.

3. Click **Start**, and follow the on-screen instructions.

Note:
You can also update the firmware using Epson Device Admin. You can visually confirm the firmware information on the device list. It is useful when you want to update multiple devices' firmware. See the Epson Device Admin guide or help for more details.

Related Information

➡ "Accessing Web Config" on page 39
➡ "Epson Device Admin" on page 106

Updating Firmware by Using Epson Firmware Updater

You can download the device's firmware from Epson website on the computer, and then connect the device and the computer by USB cable to update the firmware. If you cannot update over the network, try this method.

1. Access Epson website and download the firmware.

2. Connect the computer that contains the downloaded firmware to the device by USB cable.

3. Double-click the downloaded .exe file.

    Epson Firmware Updater starts.

4. Follow the on-screen instructions.

Backing Up the Contacts and Settings

By exporting the setting items on Web Config, you can copy the items to the other printers.

Export the settings

Export each setting for the printer.

1. Access Web Config, and then select the **Device Management** tab > **Export and Import Setting Value** > **Export**.

2. Select the settings that you want to export.

    Select the settings you want to export. If you select the parent category, subcategories are also selected. However, subcategories that cause errors by duplicating within the same network (such as IP addresses and so on) cannot be selected.

3. Enter a password to encrypt the exported file.

    You need the password to import the file. Leave this blank if you do not want to encrypt the file.

4. Click **Export**.

    > **Important:**
    >
    > *If you want to export the printer's network settings such as the device name and IPv6 address, select **Enable to select the individual settings of device** and select more items. Only use the selected values for the replacement printer.*

Related Information

➡ "Accessing Web Config" on page 39

Import the settings

Import the exported Web Config file to the printer.

> **Important:**
>
> *When importing values that include individual information such as a printer name or IP address, make sure the same IP address does not exist on the same network. If the IP address overlaps, the printer does not reflect the value.*

1. Access Web Config, and then select the **Device Management** tab > **Export and Import Setting Value** > **Import**.

2. Select the exported file, and then enter the encrypted password.

3. Click **Next**.

4. Select the settings that you want to import, and then click **Next**.

5. Click **OK**.

Operation and Management Settings

The settings are applied to the printer.

Solving Problems

Tips for Solving Problems

You can find more information in the following manuals.

❑ User's Guide

Provides instructions on using the printer, replacing ink supply unit, maintenance, and solving problems.

❑ Epson Connect website

https://www.epsonconnect.com/

Provides information on Epson Connect features and solving problems.

Checking the Log for Server and Network Device

If trouble occurred in the network connection, you may be able to identify the cause by checking the log for the mail server or the LDAP server or the status by using the system log for the network device, such as a router, or commands.

Initializing the Network Settings

Disabling Wi-Fi from Web Config

To use Web Config, printers and devices must have an IP address and be connected to the same network.

1. Check the printer's IP address.

    You can check this from the Network Status screen on the printer's control panel, a connection report, or the [IP Address] column of a network status sheet.

2. Enter the printer's IP address into a browser to run Web Config.

    ← → C 🗋 http://XXX.XXX.XXX.XXX

3. Select the **Network** tab > **Wi-Fi**, and then select **Disable Wi-Fi**.

4. Check the message, and then select **OK**.

Disconnecting Wi-Fi Direct (Simple AP) from Web Config

To use Web Config, printers and devices must have an IP address and be connected to the same network.

Solving Problems

1. Check the printer's IP address.

   You can check this from the network status screen on the printer's control panel, a connection report, or the [IP Address] column of a network status sheet.

2. Enter the printer's IP address into a browser to run Web Config.

   ← → C 🗋 http://XXX.XXX.XXX.XXX

3. Select the **Network** tab > **Wi-Fi Direct**.

4. Select **Disable** for **Wi-Fi Direct**.

5. Click **Next**

6. Check the message, and then select **OK**.

Disabling Wi-Fi from the Control Panel

When Wi-Fi is disabled, the Wi-Fi connection is disconnected.

1. Tap [icon] on the home screen.

2. Tap **Router**.

   The network status is displayed.

3. Tap **Start Setup**.

4. Tap **Wi-Fi Setup**.

5. Tap **Others** > **Disable Wi-Fi**.

6. Check the message, and then tap **Start Setup**.

7. When a completion message is displayed, tap **Close**.

   The screen automatically closes after a specific length of time if you do not tap **Close**.

Disconnecting Wi-Fi Direct (Simple AP) Connection from the Control Panel

Note:
When Wi-Fi Direct (Simple AP) connection disabled, all computers and smart devices connected to the printer in Wi-Fi Direct (Simple AP) connection are disconnected. If you want to disconnect a specific device, disconnect from the device instead of the printer.

1. Tap [icon] on the home screen.

2. Tap **Wi-Fi Direct**.

    The Wi-Fi Direct information is displayed.

3. Tap **Start Setup**.

4. Tap **Disable Wi-Fi Direct**.

5. Check the message, and then tap **Disable the settings**.

6. When a completion message is displayed, tap **Close**.

    The screen automatically closes after a specific length of time if you do not tap **Close**.

Restoring the Network Settings from the Control Panel

You can restore all network settings to their defaults.

1. Tap **Settings** on the home screen.

2. Tap **General Settings** > **System Administration** > **Restore Default Settings** > **Network Settings**.

3. Check the message, and then tap **Yes**.

4. When a completion message is displayed, tap **Close**.

    The screen automatically closes after a specific length of time if you do not tap **Close**.

Checking the Communication between Devices and Computers

Checking the Connection Using a Ping Command - Windows

You can use a Ping command to make sure the computer is connected to the printer. Follow the steps below to check the connection using a Ping command.

1. Check the printer's IP address for the connection that you want to check.

    You can check this from the Network Status screen on the printer's control panel, a connection report, or the **IP Address** column of a network status sheet.

2. Display the computer's command prompt screen.

    ❑ Windows 10/Windows Server 2016

    Right-click the start button or press and hold it, and then select **Command Prompt**.

    ❑ Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012

    Display the application screen, and then select **Command Prompt**.

    ❑ Windows 7/Windows Server 2008 R2/Windows Vista/Windows Server 2008 or earlier

    Click the start button, select **All Programs** or **Programs** > **Accessories** > **Command Prompt**.

3. Enter 'ping xxx.xxx.xxx.xxx', and then press the Enter key.

    Enter the printer's IP address for xxx.xxx.xxx.xxx.

4. Check the communication status.

    If the printer and the computer are communicating, the following message is displayed.

If the printer and the computer are not communicating, the following message is displayed.

Checking the Connection Using a Ping Command - Mac OS

You can use a Ping command to make sure the computer is connected to the printer. Follow the steps below to check the connection using a Ping command.

Solving Problems

1. Check the printer's IP address for the connection that you want to check.

   You can check this from the Network Status screen on the printer's control panel, a connection report, or the **IP Address** column of a network status sheet.

2. Run Network Utility.

   Enter "Network Utility" in **Spotlight**.

3. Click the **Ping** tab, enter the IP address that you checked in step 1, and then click **Ping**.
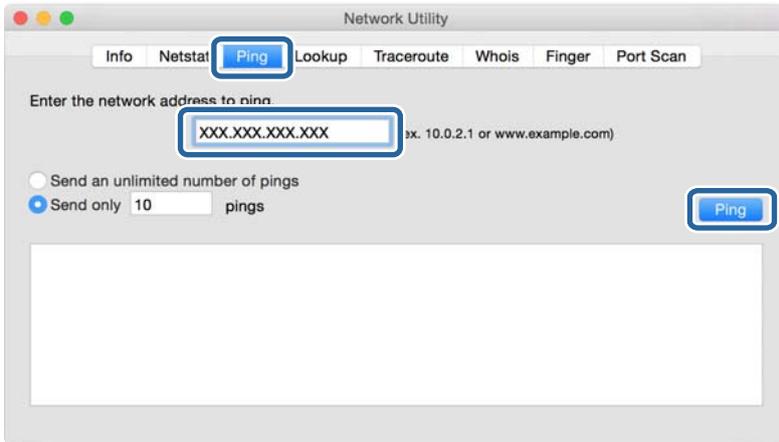
4. Check the communication status.

   If the printer and the computer are communicating, the following message is displayed.
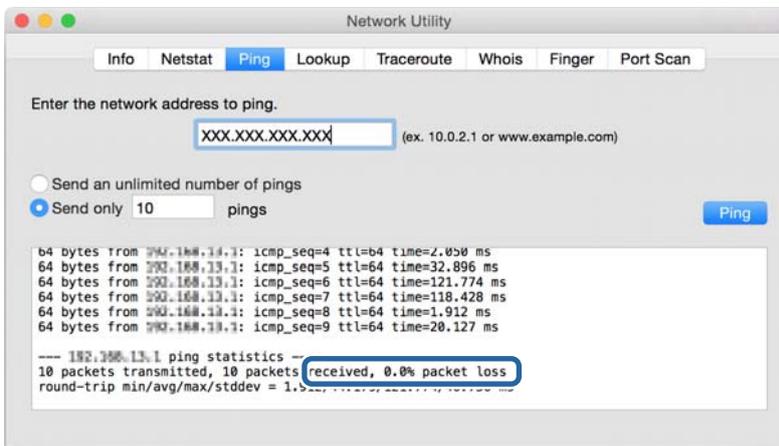
If the printer and the computer are not communicating, the following message is displayed.
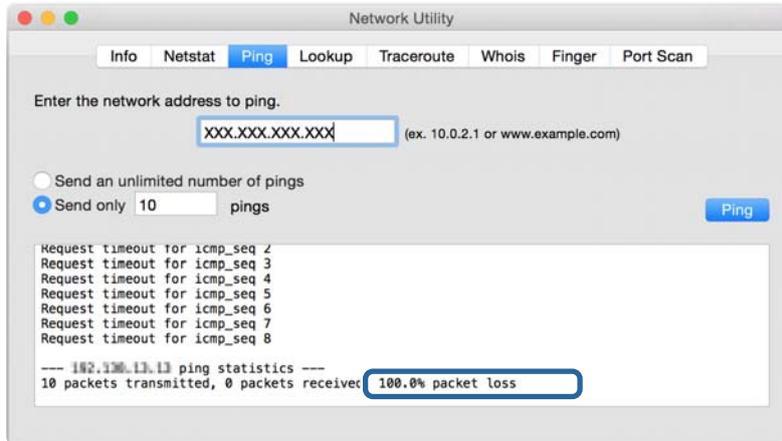
Printing a Network Connection Report

You can print a network connection report to check the status between the printer and the access point.

1. Load papers.

2. Tap **Settings** on the home screen.

3. Tap **General Settings** > **Network Settings** > **Connection Check**.

    The connection check starts.

4. Tap **Print Check Report**.

5. Tap **Start Printing** to print the network connection report.

    If an error has occurred, check the network connection report, and then follow the printed solutions.

6. Tap **Close**.

    The screen automatically closes after a specific length of time if you do not tap **Close**.

Related Information

➡

Messages and Solutions on the Network Connection Report

Check the messages and error codes on the network connection report, and then follow the solutions.

a. Error code

b. Messages on the Network Environment

a. Error code

Code	Solution
E-1	❏ Make sure that the Ethernet cable is connected to the printer, a hub, or other network devices. ❏ Make sure that the hub or other network devices are turned on.

Code	Solution
E-2 E-3 E-7	❏ Make sure that the access point is turned on. ❏ Check that the computer or other devices are connected correctly to the access point. ❏ Place the printer close to the access point. Remove any obstacles between them. ❏ If you have entered the SSID manually, check if it is correct. Check the SSID from the **Network Status** part on the network connection report. ❏ To establish a network using push button setup, check that the access point supports WPS. If it does not support WPS, you cannot establish a network using push button setup. ❏ Check that only ASCII characters (alphanumeric characters and symbols) are used for the SSID. The printer cannot display an SSID which contains any characters other than ASCII characters. ❏ Check the SSID and password before connecting to the access point. If you are using an access point with its default settings, the SSID and password are on the label. If you do not know the SSID and password, contact the person who set up the access point, or see the documentation provided with the access point. ❏ When you want to connect to an SSID generated using the tethering function on a smart device, check the SSID and password in the documentation provided with the smart device. ❏ If the Wi-Fi connection is suddenly disconnected, check the following. If any of these are applicable, reset the network settings using the installer. You can run it from the following website. http://epson.sn > **Setup** ❏ Another smart device was added to the network using push button setup. ❏ The Wi-Fi network was set up using any method other than push button setup.
E-5	Make sure the access point's security type is set to one of the following. If it is not, change the security type on the access point, and then reset the printer's network settings. ❏ WEP-64 bit (40 bit) ❏ WEP-128 bit (104 bit) ❏ WPA PSK (TKIP/AES)* ❏ WPA2 PSK (TKIP/AES)* ❏ WPA (TKIP/AES) ❏ WPA2 (TKIP/AES) * : WPA PSK is also known as WPA Personal. WPA2 PSK is also known as WPA2 Personal.
E-6	❏ Check if the MAC address filtering is disabled. If it is enabled, register the printer's MAC address so that it is not filtered. See the documentation provided with the access point for details. You can check the printer's MAC address from the **Network Status** part on the network connection report. ❏ If the access point's shared authentication is enabled on the WEP security method, make sure the authentication key and index are correct.
E-8	❏ Enable DHCP on the access point when the printer's Obtain IP Address is set to Auto. ❏ If the printer's Obtain IP Address is set to Manual, the IP address you manually set is out of range (for example: 0.0.0.0) and it is disabled. Set a valid IP address from printer's control panel or Web Config.

Solving Problems

Code	Solution
E-9	Check the following. ❏ Devices are turned on. ❏ You can access the Internet and other computers or network devices on the same network from the devices you want to connect to the printer. If it still does not work after checking the above, reset the network settings using the installer. You can run it from the following website. http://epson.sn > **Setup**
E-10	Check the following. ❏ Other devices on the network are turned on. ❏ Network addresses (IP address, subnet mask, and default gateway) are correct if you have set the printer's Obtain IP Address to Manual. Reset the network address if these are incorrect. You can check the IP address, subnet mask, and default gateway from the **Network Status** part on the network connection report. When DHCP is enabled, change the printer's Obtain IP Address to Auto. If you want to set the IP address manually, check the printer's IP address from the **Network Status** part on the network connection report, and then select Manual on the network settings screen. Set the subnet mask to [255.255.255.0].
E-11	Check the following. ❏ The default gateway address is correct when you set the printer's TCP/IP Setup to Manual. ❏ The device that is set as the default gateway is turned on. Set the correct default gateway address. You can check the default gateway address from the **Network Status** part on the network connection report.
E-12	Check the following. ❏ Other devices on the network are turned on. ❏ The network addresses (IP address, subnet mask, and default gateway) are correct if you are entering them manually. ❏ The network addresses for other devices (subnet mask and default gateway) are the same. ❏ The IP address does not conflict with other devices. If it still does not work after checking the above, try the following. ❏ Make network settings on the computer that is on the same network as the printer using the installer. You can run it from the following website. http://epson.sn > **Setup** ❏ You can register several passwords on an access point that uses the WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

Solving Problems

Code	Solution
E-13	Check the following. ❏ Network devices such as an access point, hub, and router are turned on. ❏ The TCP/IP Setup for network devices has not been set up manually. (If the printer's TCP/IP Setup is set automatically while the TCP/IP Setup for other network devices is performed manually, the printer's network may differ from the network for other devices.) If it still does not work after checking the above, try the following. ❏ Make network settings on the computer that is on the same network as the printer using the installer. You can run it from the following website. http://epson.sn > **Setup** ❏ You can register several passwords on an access point that uses the WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

b. Messages on the Network Environment

Message	Solution
*Multiple network names (SSID) that match your entered network name (SSID) have been detected. Confirm network name (SSID).	The same SSID may be set on several access points. Check the settings on the access points, and change the SSID.
The Wi-Fi environment needs to be improved. Turn the wireless router off and then turn it on. If the connection does not improve, see the documentation for the wireless router.	After moving the printer closer to the access point and removing any obstacles between them, turn the access point on. If it still does not connect, see the documentation supplied with the access point.
*No more devices can be connected. Disconnect one of the connected devices if you want to add another one.	You can simultaneously connect up to four computers and smart devices in Wi-Fi Direct (Simple AP) connection. To add another computer or smart device, disconnect one of the connected devices first.

Printing a Network Status Sheet

You can check the detailed network information by printing it.

1. Load papers.

2. Tap **Settings** on the home screen.

3. Tap **General Settings** > **Network Settings** > **Network Status**.

4. Tap **Print Status Sheet**.

5. Check the message, and then tap **Start Printing**.

   The network status sheet is printed.

6. Tap **Close**.

   The screen automatically closes after a specific length of time if you do not tap **Close**.

Problems Using Network Software

Cannot Access Web Config

Is the IP address of the printer properly configured?

Configure the IP address using EpsonNet Config or the printer's control panel. You can confirm the current setting information with a network status sheet or from the printer's control panel.

Does your browser support the bulk encryptions for the Encryption Strength for SSL/TLS?

The bulk encryptions for the Encryption Strength for SSL/TLS are as follows. Web Config can only be accessed in a browser supporting the following bulk encryptions. Check your browser's encryption support.

❏ 80bit: AES256/AES128/3DES

❏ 112bit: AES256/AES128/3DES

❏ 128bit: AES256/AES128

❏ 192bit: AES256

❏ 256bit: AES256

The message "Out of date" appears when accessing Web Config using SSL communication (https).

If the certificate is out of date, obtain the certificate again. If the message appears before its expiration date, make sure that the printer's date is configured correctly.

The message "The name of the security certificate does not match⋯" appears when accessing Web Config using SSL communication (https).

The printer's IP address entered for **Common Name** for creating a self-signed certificate or CSR does not match with the address entered into the browser. Obtain and import a certificate again or change the printer name.

The printer is being accessed via a proxy server.

If you are using a proxy server with your printer, you need to configure your browser's proxy settings.

❏ Windows:

Select **Control Panel** > **Network and Internet** > **Internet Options** > **Connections** > **LAN settings** > **Proxy server**, and then configure not to use the proxy server for local addresses.

❏ Mac OS:

Select **System Preferences** > **Network** > **Advanced** > **Proxies**, and then register the local address for **Bypass proxy settings for these Hosts & Domains**.

Example:

192.168.1.*: Local address 192.168.1.XXX, subnet mask 255.255.255.0

192.168.*.*: Local address 192.168.XXX.XXX, subnet mask 255.255.0.0

Related Information

Model name and/or IP address are not displayed on EpsonNet Config

Did you select Block, Cancel, or Shut down when a Windows security screen or a firewall screen was displayed?

If you select **Block**, **Cancel**, or **Shut down**, the IP address and model name will not display on EpsonNet Config or EpsonNet Setup.

To correct this, register EpsonNet Config as an exception using Windows firewall and commercial security software. If you use an antivirus or security program, close it and then try to use EpsonNet Config.

Is the communication error timeout setting too short?

Run EpsonNet Config and select **Tools** > **Options** > **Timeout**, and then increase the length of time for the **Communication Error** setting. Note that doing so can cause EpsonNet Config to run more slowly.

Related Information

➡ "Running EpsonNet Config - Windows" on page 107

➡ "Running EpsonNet Config - Mac OS" on page 107

Appendix

Introduction of Network Software

The following describes the software that configures and manages devices.

Epson Device Admin

Epson Device Admin is an application that allows you to install devices on the network, and then configure and manage the devices. You can acquire detailed information for devices such as status and consumables, send notifications of alerts, and create reports for device usage. You can also make a template containing setting items and apply it to other devices as shared settings. You can download Epson Device Admin from Epson support website. For more information, see the documentation or help of Epson Device Admin.

Running Epson Device Admin (Windows only)

Select **All Programs** > **EPSON** > **Epson Device Admin** > **Epson Device Admin**.

Note:
If the firewall alert appears, allow access for Epson Device Admin.

EpsonNet Config

EpsonNet Config allows the administrator to configure the printer's network settings, such as assigning an IP address and changing the connection mode. The batch setting feature is supported on Windows. For more information, see the documentation or help of EpsonNet Config.

Running EpsonNet Config - Windows

Select **All Programs** > **EpsonNet** > **EpsonNet Config SE** > **EpsonNet Config**.

Note:
If the firewall alert appears, allow access for EpsonNet Config.

Running EpsonNet Config - Mac OS

Select **Go** > **Applications** > **Epson Software** > **EpsonNet** > **EpsonNet Config SE** > **EpsonNet Config**.

EpsonNet Print (Windows Only)

EpsonNet Print is a software to print on the TCP/IP network. There are features and restrictions listed below.

❏ The printer's status is displayed on the spooler screen.

❏ If the printer's IP address is changed by DHCP, the printer is still detected.

❏ You can use a printer located on a different network segment.

❏ You can print using one of the various protocols.

❏ IPv6 address is not supported.

EpsonNet SetupManager

EpsonNet SetupManager is a software to create a package for a simple printer installation, such as installing the printer driver, installing EPSON Status Monitor and creating a printer port. This software allows the administrator to create unique software packages and distribute them among groups.

For more information, visit your regional Epson website.

Assigning an IP Address Using EpsonNet Config

You can assign an IP address to the printer using EpsonNet Config. EpsonNet Config allows you to assign an IP address to a printer that has not been assigned one after connecting using an Ethernet cable. When connecting to Wi-Fi, connect to Ethernet once, and then change the connection to Wi-Fi.

Assigning IP Address Using Batch Settings

Creating the File for Batch Settings

Using the MAC address and model name as the keys, you can create a new SYLK file to set the IP address.

When you connect the printer to Wi-Fi, assign an IP address by following the procedures, and then change the connection to Wi-Fi.

1. Open a spreadsheet application (such as Microsoft Excel) or a text editor.

Appendix

2. Enter "Info_MACAddress", "Info_ModelName", and "TCPIP_IPAddress" in the first row as the setting item names.

   Enter setting items for the following text strings. To distinguish between upper case/lower case and double-byte/single-byte characters, if only one character is different, the item will not be recognized.

   Enter the setting item name as described below; otherwise, EpsonNet Config cannot recognize the setting items.

Info_MACAddress	Info_ModelName	TCPIP_IPAddress

3. Enter the MAC address, model name, and IP address for each network interface.

Info_MACAddress	Info_ModelName	TCPIP_IPAddress
0000XXXX0001	ALC-XXXXX	192.168.100.102
0000XXXX0002	ALC-XXXXX	192.168.100.103
0000XXXX0003	ALC-XXXXX	192.168.100.104

4. Enter a name and save as a SYLK file (*.slk).

Making Batch Settings Using the Configuration File

Assign IP addresses in the configuration file (SYLK file) at one time. You need to create the configuration file before assigning.

When you connect the printer to Wi-Fi, assign an IP address by following the procedures, and then change the connection to Wi-Fi.

1. Connect all devices to the network using Ethernet cables.

2. Turn on the printer.

3. Start EpsonNet Config.

   A list of the printers on the network is displayed. It may take a while before they are displayed.

4. Click **Tools** > **Batch Settings**.

5. Click **Open**.

6. On the file selection screen, select the SYLK file (*.slk) containing the settings, and then click **Open**.

Appendix

7. Select the devices for which you want to perform batch settings with the **Status** column set to **Unassigned**, and the **Process Status** set to **Assign Successful**.

When making multiple selections, press Ctrl or Shift and click or drag your mouse.
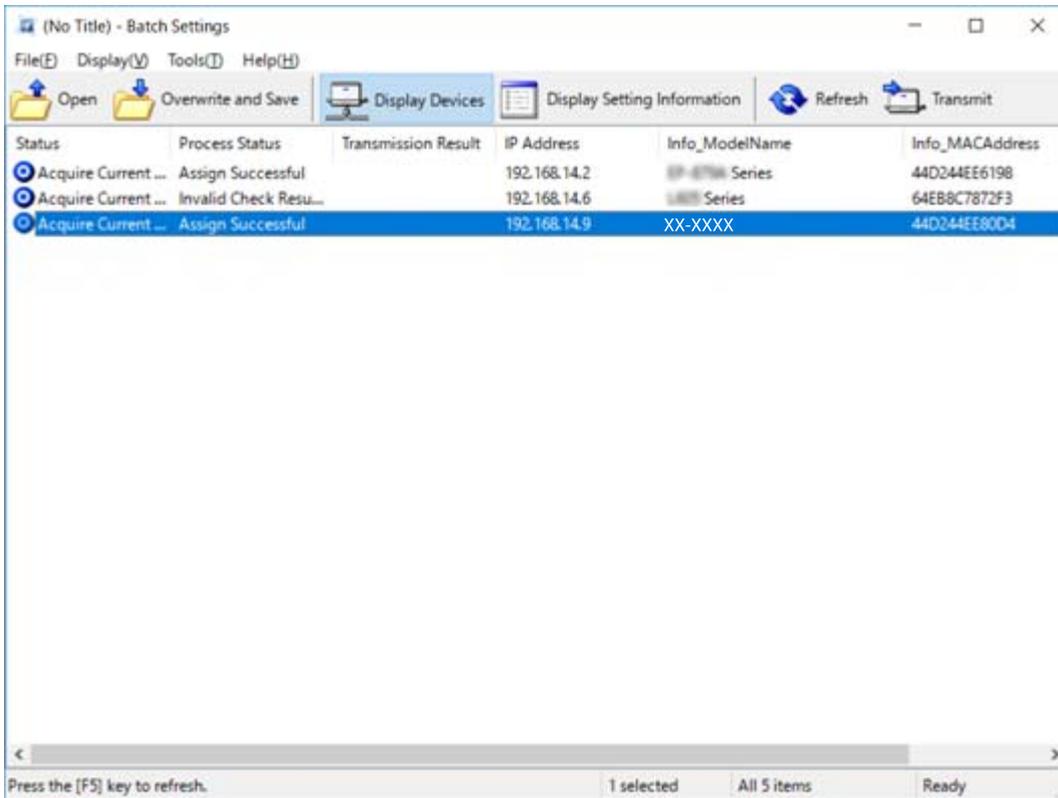
8. Click **Transmit**.

9. When the password entry screen is displayed, enter the password, and then click **OK**.

Transmit the settings.

> **!** *Important:*
>
> *The information is transmitted to the network interface until the progress meter is finished. Do not turn off the device or the wireless adapter, and do not send any data to the device.*

10. On the **Transmitting Settings** screen, click **OK**.
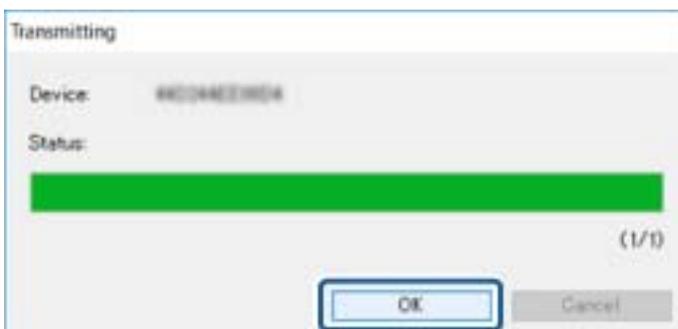
11. Check the status of the device you set.

For devices that show ⊗ or ⊖ , check the contents of the settings file, or that the device has rebooted normally.

Icon	Status	Process Status	Explanation
◉	Setup Complete	Setup Successful	Setup completed normally.
⊖	Setup Complete	Rebooting	When information has been transmitted, each device needs to reboot to enable the settings. A check is performed to determine whether or not the device can be connected to after rebooting.
◉	Setup Complete	Reboot Failed	Cannot confirm the device after transmitting settings. Check that the device is turned on, or if it has rebooted normally.
⊖	Setup Complete	Searching	Searching for the device indicated in the settings file.[*]
◉	Setup Complete	Search Failed	Cannot check devices that have already been setup. Check that the device is turned on, or if it has rebooted normally.[*]

*Only when setting information is displayed.

Related Information

➡ "Running EpsonNet Config - Windows" on page 107
➡ "Running EpsonNet Config - Mac OS" on page 107

Assigning an IP Address to Each Device

Assign an IP address to the printer using EpsonNet Config.

1. Turn on the printer.

2. Connect the printer to the network using an Ethernet cable.

3. Start EpsonNet Config.

   A list of the printers on the network is displayed. It may take a while before they are displayed.

4. Double-click the printer that you want to assign to.

   Note:
   If you have connected multiple printers of the same model, you can identify the printer using the MAC address.

5. Select **Network** > **TCP/IP** > **Basic**.

Appendix

6. Enter the addresses for **IP Address**, **Subnet Mask**, and **Default Gateway**.
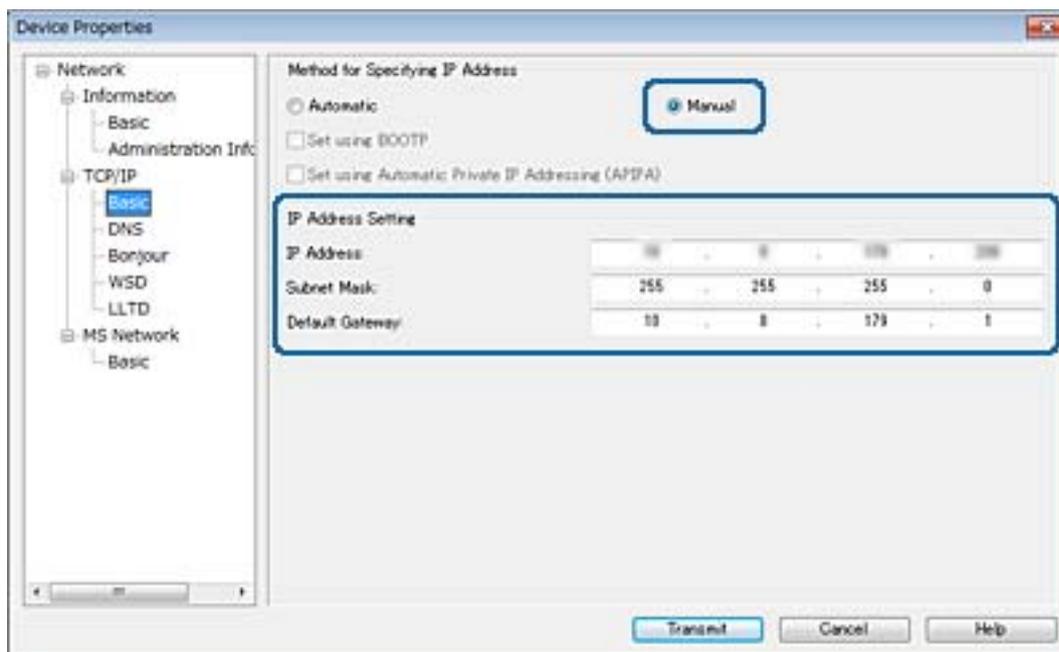
Note:
Enter a static address when you connect the printer to a secure network.

7. Click **Transmit**.

The screen confirming transmission of the information is displayed.

8. Click **OK**.

The transmission completion screen is displayed.

Note:
The information is transmitted to the device, and then the message "Configuration successfully completed." is displayed.
Do not turn off the device, and do not send any data to the service.

9. Click **OK**.

Related Information

➡ "Running EpsonNet Config - Windows" on page 107
➡ "Running EpsonNet Config - Mac OS" on page 107

Making Wi-Fi Settings from the Control Panel (WPS)

You can connect to Wi-Fi from the printer's control panel using the WPS function.

Related Information

➡ "Making Wi-Fi Settings by Push Button Setup (WPS)" on page 112
➡ "Making Wi-Fi Settings by PIN Code Setup (WPS)" on page 113

Appendix

Making Wi-Fi Settings by Push Button Setup (WPS)

You can automatically set up a Wi-Fi network by pressing a button on the access point. If the following conditions are met, you can set up by using this method.

❏ The access point is compatible with WPS (Wi-Fi Protected Setup).

❏ The current Wi-Fi connection was established by pressing a button on the access point.

Note:
If you cannot find the button or you are setting up using the software, see the documentation provided with the access point.

1. Tap [icon] | [icon] on the home screen.

2. Tap **Router**.

3. Tap **Start Setup**.

4. Tap **Wi-Fi Setup**.

   If you have made Ethernet settings, check the message and then tap **Yes**.

5. Tap **Push Button Setup(WPS)**.

6. Hold down the [WPS] button on the access point until the security light flashes.

   If you do not know where the [WPS] button is, or there are no buttons on the access point, see the documentation provided with your access point for details.

7. Tap **Start Setup**.

8. Tap **Close**.

   The screen automatically closes after a specific length of time if you do not tap **Close**.

   Note:
   If connection fails, restart the access point, move it closer to the printer, and try again. If it still does not work, print a network connection report and check the solution.

9. Tap **Close** on the network connection settings screen.

Appendix

Making Wi-Fi Settings by PIN Code Setup (WPS)

You can automatically connect to an access point by using a PIN code. You can use this method to set up if an access point is capable of WPS (Wi-Fi Protected Setup). Use a computer to enter a PIN code into the access point.

1. Tap 📟 | 📶 on the home screen.

2. Tap **Router**.

3. Tap **Start Setup**.

4. Tap **Wi-Fi Setup**.

   If you have made Ethernet settings, check the message and then tap **Yes**.

5. Tap **Others** > **PIN Code Setup(WPS)**

6. Use your computer to enter the PIN code (an eight digit number) displayed on the printer's control panel into the access point within two minutes.

   Note:
   See the documentation provided with your access point for details on entering a PIN code.

7. Tap **Start Setup**.

8. Tap **Close**.

   The screen automatically closes after a specific length of time if you do not tap **Close**.

   Note:
   If connection fails, restart the access point, move it closer to the printer, and try again. If it still does not work, print a connection report and check the solution.

9. Tap **Close** on the network connection settings screen.

Changing the Connection Method

Change the connection method. Make this setting on the network enabling condition.

If the IP address assignment setting is manual, confirm with the network administrator whether the same IP address can be used on the new network.

Note:
When the Wi-Fi connection is enabled, the Ethernet connection is disabled.

Related Information

➡ "Changing from Ethernet Connection to Wi-Fi Connection" on page 114
➡ "Changing from Wi-Fi Connection to Ethernet Connection" on page 114

Appendix

Changing from Ethernet Connection to Wi-Fi Connection

Changing to Wi-Fi Connection from the Control Panel

Change the Ethernet connection to Wi-Fi connection from the printer's control panel. The changing connection method is basically the same as the Wi-Fi connection settings. See the topic in this guide on Wi-Fi connection settings from the printer's control panel.

Related Information

➡ "Making Wi-Fi Settings Manually from the Control Panel" on page 24

Changing to Wi-Fi Connection by Using Web Config

Change the Ethernet connection to Wi-Fi connection by using Web Config.

1. Access Web Config and select the **Network** tab > **Wi-Fi**.

    When the administrator password has been set, log in as an administrator by entering the user name and password.

2. Click **Setup**.

3. Select the SSID for the access point and enter the password.

    If the SSID you want to connect to is not displayed, select **Enter SSID** and enter the SSID.

4. Click **Next**.

5. Confirm the displayed message and click **OK**.

6. Disconnect the Ethernet cable from the printer.

Note:
You can also change the connection method by using EpsonNet Config or Epson Device Admin. For details, see the guide or help for each software.

Related Information

➡ "Accessing Web Config" on page 39
➡ "EpsonNet Config" on page 106
➡ "Epson Device Admin" on page 106

Changing from Wi-Fi Connection to Ethernet Connection

Changing the Network Connection to Ethernet from the Control Panel

Follow the steps below to change the network connection to Ethernet from Wi-Fi using the control panel.

1. Tap **Settings** on the home screen.

Appendix

2. Tap **General Settings** > **Network Settings** > **Wired LAN Setup**.

3. Check the message, and then tap **Start Setup**.

4. Check the message, and then tap **OK**.

   The screen automatically closes after a specific length of time if you do not tap **OK**.

5. Connect the printer to a router using an Ethernet cable.

Related Information

➡ "Connecting to Ethernet" on page 23

Changing to Ethernet Connection Using Web Config

Change the Wi-Fi connection to Ethernet connection by using Web Config.

1. Access Web Config and select the **Network** tab > **Wi-Fi**.

   When the administrator password has been set, log in as an administrator by entering the user name and password.

2. Click **Disable Wi-Fi**.

3. Check the message, and then select **OK**.

4. Connect the printer and hub (L2 switch) by Ethernet cable.

Note:
You can also change the connection method by using EpsonNet Config or Epson Device Admin. For details, see the guide or help for each software.

Related Information

➡ "Accessing Web Config" on page 39
➡ "EpsonNet Config" on page 106
➡ "Epson Device Admin" on page 106

Using Port for the Printer

The printer uses the following port. These ports should be allowed to become available by the network administrator as necessary.

Appendix

Sender (Client)	Use	Destination (Server)	Protocol	Port Number
Printer	File sending (When scan to folder is used from the printer)	FTP server	FTP (TCP)	20
				21
		File server	SMB (TCP)	445
			NetBIOS (UDP)	137
				138
			NetBIOS (TCP)	139
	Email sending (When scan to mail is used from the printer)	SMTP server	SMTP (TCP)	25
			SMTP SSL/TLS (TCP)	465
			SMTP STARTTLS (TCP)	587
	POP before SMTP connection (When scan to mail is used from the printer)	POP server	POP3 (TCP)	110
	When Epson Connect is used	Epson Connect Server	HTTPS	443
			XMPP	5222
	When printing from Google Cloud Print	Google Cloud Print Server	HTTPS	443
			XMPP	5222
	Collecting user information (Use the contacts from the printer)	LDAP server	LDAP (TCP)	389
			LDAP SSL/TLS (TCP)	636
			LDAP STARTTLS (TCP)	389
	User authentication when sending email User authentication when collecting user information (When using the contacts from the printer)	KDC server	Kerberos	88
	Control WSD	Client computer	WSD (TCP)	5357
	Search the computer when push scanning from Document Capture Pro	Client computer	Network Push Scan Discovery	2968

Appendix

Sender (Client)	Use	Destination (Server)	Protocol	Port Number
Client computer	Discover the printer from an application such as EpsonNet Config, printer driver, and scanner driver.	Printer	ENPC (UDP)	3289
	Collect and set up the MIB information from an application such as EpsonNet Config, printer driver, and scanner driver.	Printer	SNMP (UDP)	161
	Forwarding LPR data	Printer	LPR (TCP)	515
	Forwarding RAW data	Printer	RAW (Port9100) (TCP)	9100
	Searching WSD printer	Printer	WS-Discovery (UDP)	3702
	Forwarding the scan data from Document Capture Pro	Printer	Network Scan (TCP)	1865
	Collecting the job information when push scanning from Document Capture Pro	Printer	Network Push Scan	2968

Advanced Security Settings for Enterprise

In this chapter, we describe advanced security features.

Security Settings and Prevention of Danger

When a device is connected to a network, you can access it from a remote location. In addition, many people can share the device, which is helpful in improving operational efficiency and convenience. However, risks such as illegal access, illegal use, and tampering with data are increased. If you use the device in an environment where you can access the Internet, the risks are even higher.

For devices that do not have access protection from the outside, it will be possible to read the contacts and print job logs that are stored in the printer from the Internet.

In order to avoid this risk, Epson printers have a variety of security technologies.

Set the device as necessary according to the environmental conditions that have been built with the customer's environment information.

Name	Feature type	What to set	What to prevent
SSL/TLS communications	The communication content is encrypted with SSL/TLS communications when accessing to the Epson server on the Internet from the device, such as communicating to the computer via web browser, using Epson Connect, and updating firmware.	Obtain a CA-signed certificate, and then import it to the printer.	Clearing an identification of the device by the CA-signed certification prevents impersonation and unauthorized access. In addition, communication contents of SSL/TLS are protected, and it prevents the leakage of contents for printing data and setup information.
Control of protocol	Controls the protocols and services to be used for communication between devices and computers, and it enables and disables features, such as print, scan, and PCFAX transmission.	A protocol or service that is applied to features allowed or prohibited separately.	Reducing security risks that may occur through unintended use by preventing users from using unnecessary functions.
IPsec/IP filtering	You can set to allow severing and cutting off of data that is from a certain client or is a particular type. Since IPsec protects the data by IP packet unit (encryption and authentication), you can safely communicate unsecured printing protocol and scanning protocol.	Create a basic policy and individual policy to set the client or type of data that can access the device.	Protect unauthorized access, and tampering and interception of communication data to the device.
SNMPv3	Features are added, such as monitoring of connected devices in the network, integrity of the data to the SNMP protocol to control, encryption, user authentication, etc.	Enable SNMPv3, then set the authentication and encryption method.	Ensure change settings via the network, confidentiality in state monitoring.
IEEE802.1X	Allows only a user who is authenticated to Wi-Fi and Ethernet to connect. Allows only a permitted user to use the device.	Authentication setting to the RADIUS server (authentication sever).	Protect unauthorized access and use to the device.

Advanced Security Settings for Enterprise

Name	Feature type	What to set	What to prevent
Epson Open Platform	Epson Open Platform is a platform that displays the user interface provided by the server on the device's control panel and implements various functions.	Enable Epson Open Platform on the device and register the device with the authentication system. When using the authentication device, set the user information within the authentication system.	Protects unauthorized use of the device, taking away or viewing of printed materials (confidential documents), and leaking of information.

Related Information

Security Feature Settings

When setting IPsec/IP filtering or IEEE802.1X, it is recommended that you access Web Config using SSL/TLS to communicate settings information in order to reduce security risks such as tampering or interception.

Also, you can use Web Config by connecting the printer directly to the computer using an Ethernet cable, and then entering the IP address into a web browser. The printer can be connected in a secure environment after the security settings have been completed.

SSL/TLS Communication with the Printer

When the server certificate is set using SSL/TLS (Secure Sockets Layer/Transport Layer Security) communication to the printer, you can encrypt the communication path between computers. Do this if you want to prevent remote and unauthorized access.

About Digital Certification

❑ Certificate signed by a CA

A certificate signed by a CA (Certificate Authority) must be obtained from a certificate authority. You can ensure secure communications by using a CA-signed certificate. You can use a CA-signed certificate for each security feature.

❑ CA certificate

A CA certificate indicates that a third party has verified the identity of a server. This is a key component in a web-of-trust style of security. You need to obtain a CA certificate for server authentication from a CA that issues it.

Advanced Security Settings for Enterprise

❏ Self-signed certificate

Self-signed certificate is a certificate that the printer issues and signs itself. This certificate is unreliable and cannot avoid spoofing. If you use this certificate for an SSL/TLS certificate, a security alert may be displayed on a browser. You can use this certificate only for an SSL/TLS communication.

Related Information

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Obtaining and Importing a CA-signed Certificate

Obtaining a CA-signed Certificate

To obtain a CA-signed certificate, create a CSR (Certificate Signing Request) and apply it to certificate authority. You can create a CSR using Web Config and a computer.

Follow the steps to create a CSR and obtain a CA-signed certificate using Web Config. When creating a CSR using Web Config, a certificate is the PEM/DER format.

1. Access Web Config, and then select the **Network Security** tab. Next, select **SSL/TLS** > **Certificate** or **IPsec/IP Filtering** > **Client Certificate** or **IEEE802.1X** > **Client Certificate**.

2. Click **Generate** of **CSR**.

   A CSR creating page is opened.

3. Enter a value for each item.

   Note:
   Available key length and abbreviations vary by a certificate authority. Create a request according to rules of each certificate authority.

4. Click **OK**.

   A completion message is displayed.

5. Select the **Network Security** tab. Next, select **SSL/TLS** > **Certificate**, or **IPsec/IP Filtering** > **Client Certificate** or **IEEE802.1X** > **Client Certificate**.

6. Click one of the download buttons of **CSR** according to a specified format by each certificate authority to download a CSR to a computer.

   > ▣ *Important:*
   >
   > *Do not generate a CSR again. If you do so, you may not be able to import an issued CA-signed Certificate.*

7. Send the CSR to a certificate authority and obtain a CA-signed Certificate.

   Follow the rules of each certificate authority on sending method and form.

Advanced Security Settings for Enterprise

8. Save the issued CA-signed Certificate to a computer connected to the printer.

    Obtaining a CA-signed Certificate is complete when you save a certificate to a destination.

CSR Setting Items
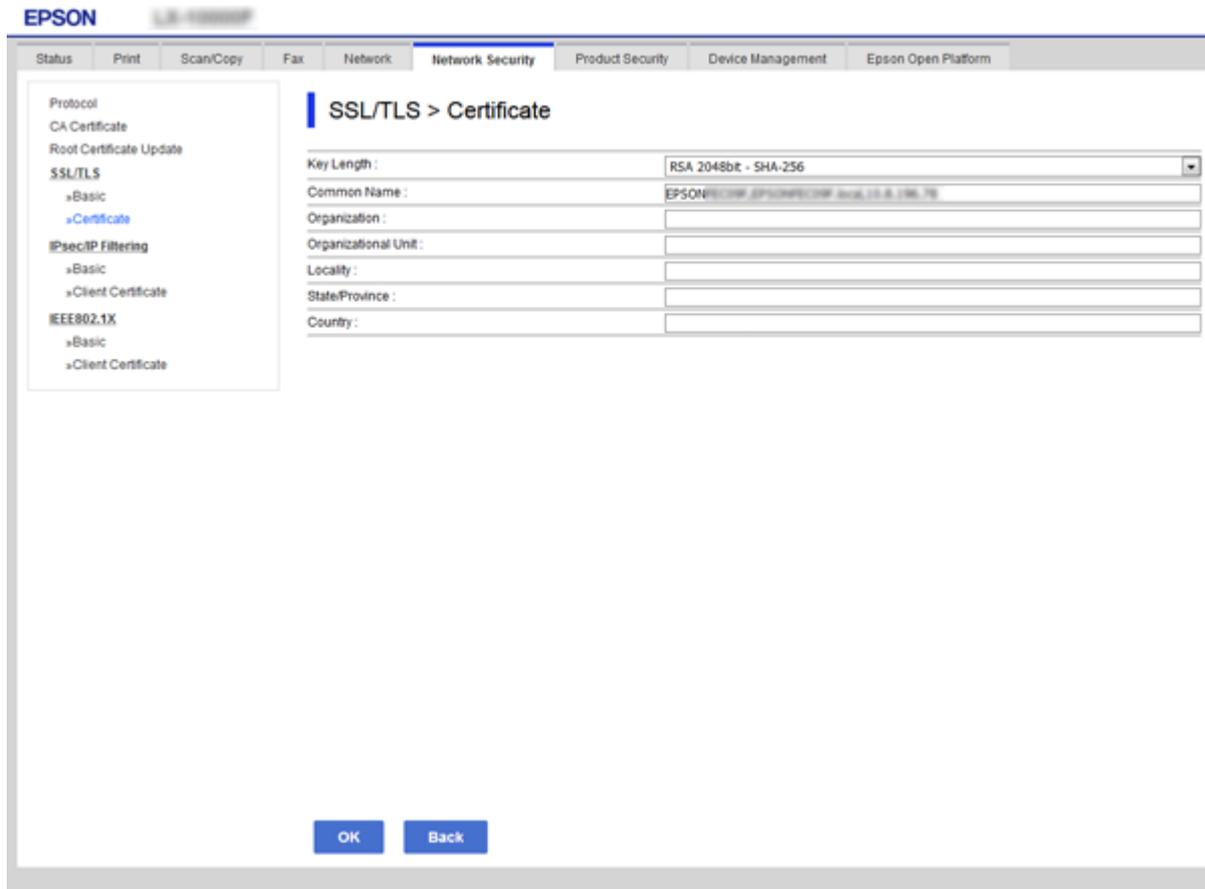
Items	Settings and Explanation
Key Length	Select a key length for a CSR.
Common Name	You can enter between 1 and 128 characters. If this is an IP address, it should be a static IP address. Example: URL for accessing Web Config: https://10.152.12.225 Common name: 10.152.12.225
Organization/ Organizational Unit/ Locality/ State/Province	You can enter between 0 and 64 characters in ASCII (0x20-0x7E). You can divide distinguished names with commas.
Country	Enter a country code in two-digit number specified by ISO-3166.

Related Information

Importing a CA-signed Certificate

> ❗ *Important:*
> ❏ *Make sure that the printer's date and time is set correctly.*
> ❏ *If you obtain a certificate using a CSR created from Web Config, you can import a certificate one time.*

1. Access Web Config and then select the **Network Security** tab. Next, select **SSL/TLS** > **Certificate**, or **IPsec/IP Filtering** > **Client Certificate** or **IEEE802.1X** > **Client Certificate**.

2. Click **Import**

   A certificate importing page is opened.

3. Enter a value for each item.

   Depending on where you create a CSR and the file format of the certificate, required settings may vary. Enter values to required items according to the following.

   ❏ A certificate of the PEM/DER format obtained from Web Config

      ❏ **Private Key**: Do not configure because the printer contains a private key.

      ❏ **Password**: Do not configure.

      ❏ **CA Certificate 1/CA Certificate 2**: Optional

   ❏ A certificate of the PEM/DER format obtained from a computer

      ❏ **Private Key**: You need to set.

      ❏ **Password**: Do not configure.

      ❏ **CA Certificate 1/CA Certificate 2**: Optional

   ❏ A certificate of the PKCS#12 format obtained from a computer

      ❏ **Private Key**: Do not configure.

      ❏ **Password**: Optional

      ❏ **CA Certificate 1/CA Certificate 2**: Do not configure.

4. Click **OK**.

   A completion message is displayed.

Note:
Click **Confirm** *to verify the certificate information.*

Related Information

➡ "Accessing Web Config" on page 39
➡ "CA-signed Certificate Importing Setting Items" on page 124

Advanced Security Settings for Enterprise

CA-signed Certificate Importing Setting Items
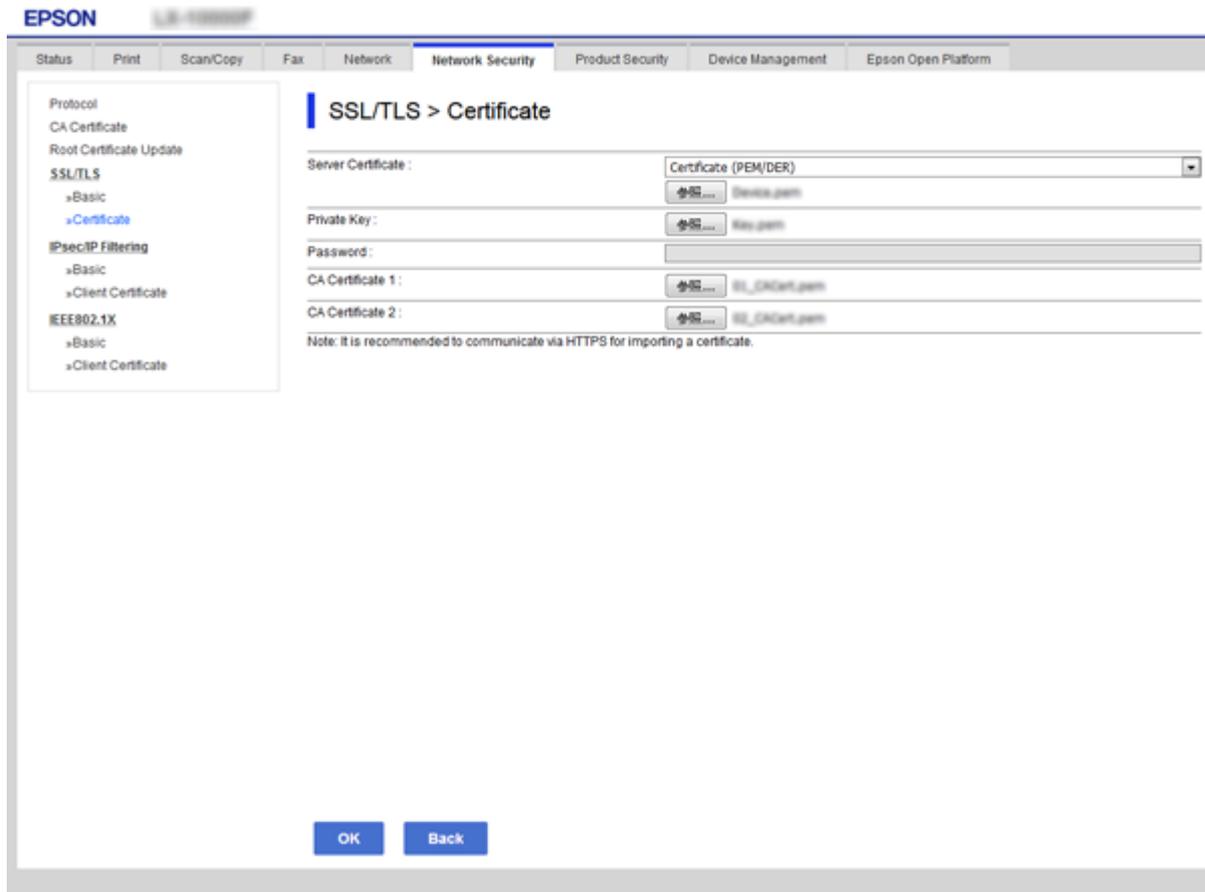
Items	Settings and Explanation
Server Certificate or Client Certificate	Select a certificate's format.
Private Key	If you obtain a certificate of the PEM/DER format by using a CSR created from a computer, specify a private key file that is match a certificate.
Password	Enter a password to encrypt a private key.
CA Certificate 1	If your certificate's format is **Certificate (PEM/DER)**, import a certificate of a certificate authority that issues a server certificate. Specify a file if you need.
CA Certificate 2	If your certificate's format is **Certificate (PEM/DER)**, import a certificate of a certificate authority that issues **CA Certificate 1**. Specify a file if you need.

Related Information

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Deleting a CA-signed Certificate

You can delete an imported certificate when the certificate has expired or when an encrypted connection is no longer necessary.

Advanced Security Settings for Enterprise

> ❗ *Important:*
> *If you obtain a certificate using a CSR created from Web Config, you cannot import a deleted certificate again. In this case, create a CSR and obtain a certificate again.*

1. Access Web Config, and then select the **Network Security** tab. Next, select **SSL/TLS** > **Certificate** or **IPsec/IP Filtering** > **Client Certificate** or **IEEE802.1X** > **Client Certificate**.

2. Click **Delete**.

3. Confirm that you want to delete the certificate in the message displayed.

Updating a Self-signed Certificate

If the printer supports the HTTPS server feature, you can update a self-signed certificate. When accessing Web Config using a self-signed certificate, a warning message appears.

Use a self-signed certificate temporarily until you obtain and import a CA-signed certificate.

1. Access Web Config and select the **Network Security** tab > **SSL/TLS** > **Certificate**.

2. Click **Update**.

3. Enter **Common Name**.

   Enter an IP address, or an identifier such as an FQDN name for the printer. You can enter between 1 and 128 characters.

   Note:
   You can separate distinguished name (CN) with commas.

4. Specify a validity period for the certificate.

5. Click **Next**.

    A confirmation message is displayed.

6. Click **OK**.

    The printer is updated.

Note:
*Click **Confirm** to verify the certificate information.*

Related Information

➡ "Accessing Web Config" on page 39

Configure CA Certificate

You can import, display, delete a CA Certificate.

Related Information

➡ "Accessing Web Config" on page 39
➡ "CSR Setting Items" on page 122
➡ "Importing a CA-signed Certificate" on page 123

Importing a CA Certificate

1. Access Web Config and then select the **Network Security** tab > **CA Certificate**.

2. Click **Import**.

3. Specify the CA Certificate you want to import.
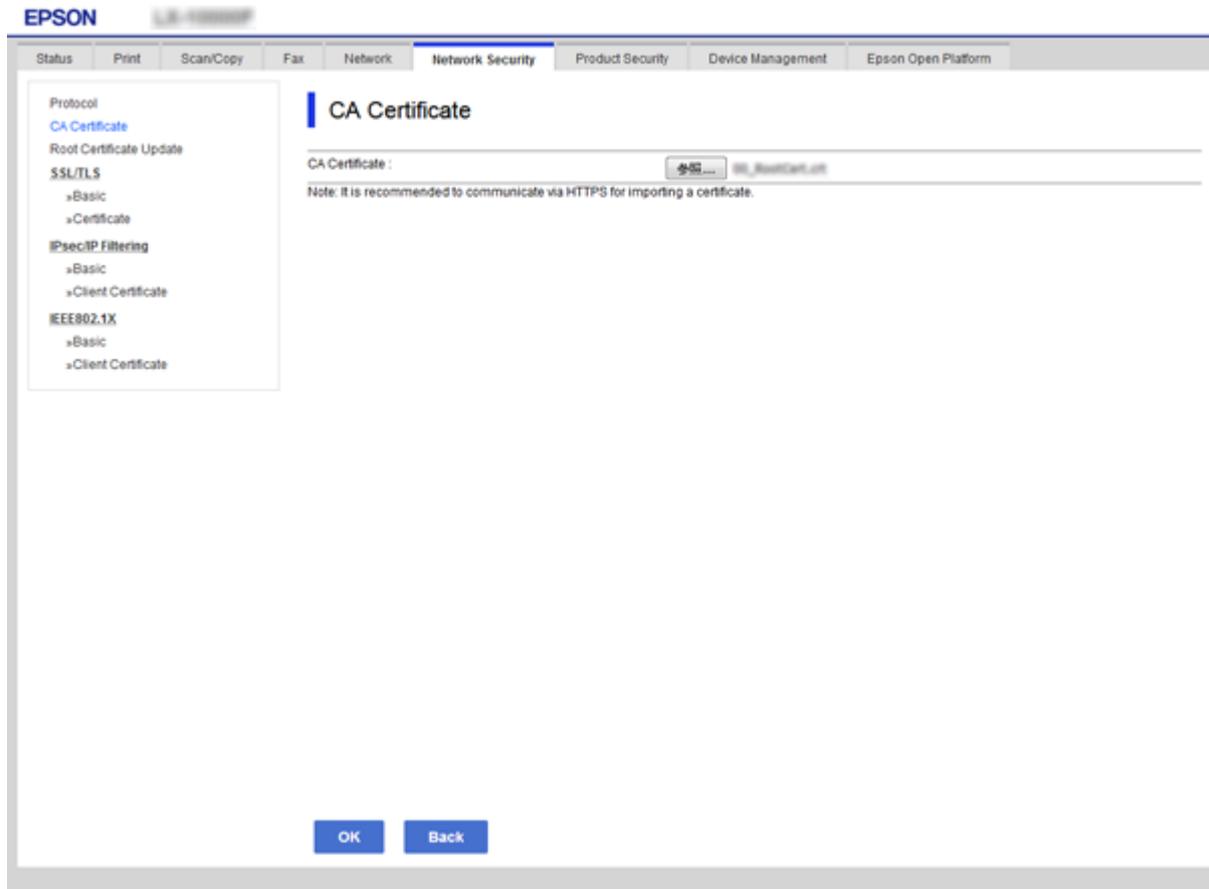
4. Click **OK**.

When importing is complete, you are returned to the **CA Certificate** screen, and the imported CA Certificate is displayed.

Deleting a CA Certificate

You can delete the imported CA Certificate.

1. Access Web Config and then select the **Network Security** tab > **CA Certificate**.

2. Click **Delete** next to the CA Certificate that you want to delete.
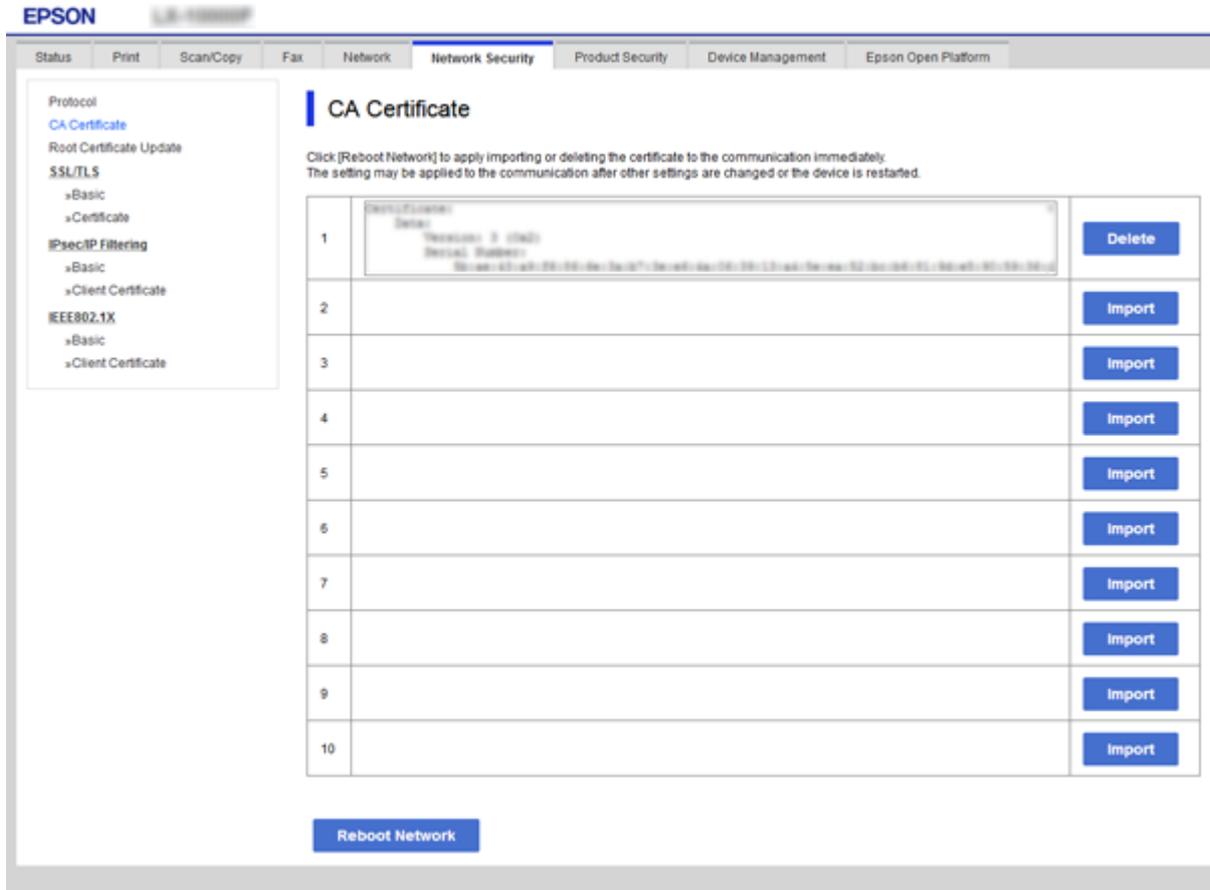
3. Confirm that you want to delete the certificate in the message displayed.

Related Information

Controlling Using Protocols

You can print using a variety of pathways and protocols. If you are using a multi-function printer, you can use network scanning and PC-FAX from an unspecified number of network computers. You can lower unintended security risks by restricting printing from specific pathways or by controlling the available functions.

Controlling protocols

Configure the protocol settings.

1. Access Web Config and then select the **Network Security** tab > **Protocol**.

2. Configure each item.

3. Click **Next**.

4. Click **OK**.

    The settings are applied to the printer.

Protocols you can Enable or Disable

Protocol	Description
Bonjour Settings	You can specify whether to use Bonjour. Bonjour is used to search for devices, print, and so on.
SLP Settings	You can enable or disable the SLP function. SLP is used for push scanning and network searching in EpsonNet Config.
WSD Settings	You can enable or disable the WSD function. When this is enabled, you can add WSD devices or print and scan from the WSD port.
LLTD Settings	You can enable or disable the LLTD function. When this is enabled, it is displayed on the Windows network map.
LLMNR Settings	You can enable or disable the LLMNR function. When this is enabled, you can use name resolution without NetBIOS even if you cannot use DNS.
LPR Settings	You can specify whether or not to allow LPR printing. When this is enabled, you can print from the LPR port.
RAW(Port9100) Settings	You can specify whether or not to allow printing from the RAW port (Port 9100). When this is enabled, you can print from the RAW port (Port 9100).
IPP Settings	You can specify whether or not to allow printing from IPP. When this is enabled, you can print over the Internet.
FTP Settings	You can specify whether or not to allow FTP printing. When this is enabled, you can print over an FTP server.
SNMPv1/v2c Settings	You can specify whether or not to enable SNMPv1/v2c. This is used to set up devices, monitoring, and so on.
SNMPv3 Settings	You can specify whether or not to enable SNMPv3. This is used to set up encrypted devices, monitoring, etc.

Advanced Security Settings for Enterprise

Protocol Setting Items
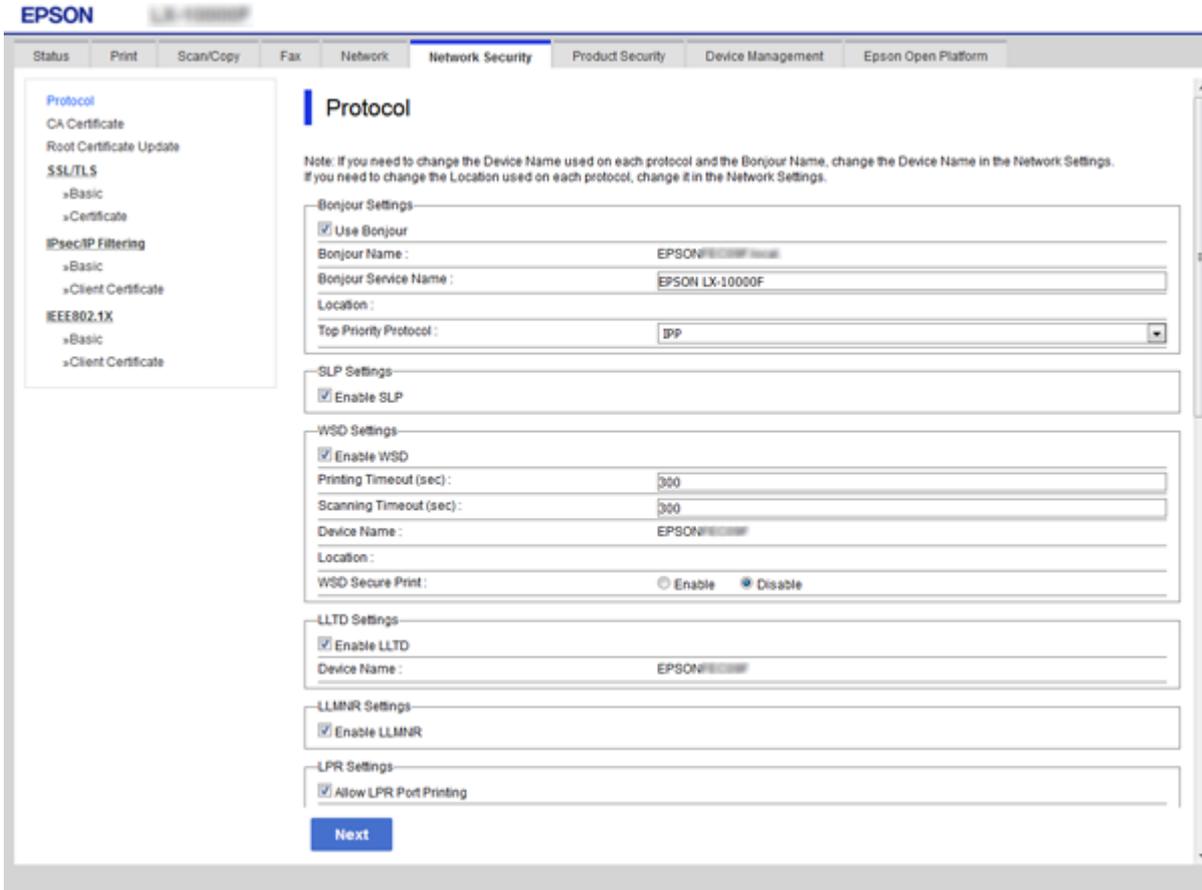
Items	Setting value and Description
Bonjour Settings	
Use Bonjour	Select this to search for or use devices through Bonjour.
Bonjour Name	Displays the Bonjour name.
Bonjour Service Name	Displays the Bonjour service name.
Location	Displays the Bonjour location name.
Top Priority Protocol	Select the top priority protocol for Bonjour print.
UPnP Settings	
Enable UPnP	Select this to allow your computer to search for printers using UPnP. This feature is only displayed of your printer supports UPnP.
Device Name	Displays the UPnP device name.
Location	Displays the UPnP location name.
SLP Settings	

Advanced Security Settings for Enterprise

Items	Setting value and Description
Enable SLP	Select this to enable the SLP function. This is used with the Push Scan function and network searching in EpsonNet Config.
WSD Settings	
Enable WSD	Select this to enable adding devices using WSD, and print and scan from the WSD port.
Printing Timeout (sec)	Enter the communication timeout value for WSD printing between 3 to 3,600 seconds.
Scanning Timeout (sec)	Enter the communication timeout value for WSD scanning between 3 to 3,600 seconds.
Device Name	Displays the WSD device name.
Location	Displays the WSD location name.
LLTD Settings	
Enable LLTD	Select this to enable LLTD. The printer is displayed in the Windows network map.
Device Name	Displays the LLTD device name.
LLMNR Settings	
Enable LLMNR	Select this to enable LLMNR. You can use name resolution without NetBIOS even if you cannot use DNS.
LPR Settings	
Allow LPR Port Printing	Select to allow printing from the LPR port.
Printing Timeout (sec)	Enter the timeout value for LPR printing between 0 to 3,600 seconds. If you do not want to timeout, enter 0.
RAW(Port9100) Settings	
Allow RAW(Port9100) Printing	Select to allow printing from the RAW port (Port 9100).
Printing Timeout (sec)	Enter the timeout value for RAW (Port 9100) printing between 0 to 3,600 seconds. If you do not want to timeout, enter 0.
IPP Settings	
Enable IPP	Select to enable IPP communication. Only printers that support IPP are displayed.
Allow Non-secure Communication	Select to allow the printer to communicate without any security measures (IPP).
Communication Timeout (sec)	Enter the timeout value for IPP printing between 0 to 3,600 seconds.
URL(Network)	Displays IPP URLs (http and https) when the printer is connected by wired LAN or Wi-Fi. The URL is a combined value of the printer's IP address, Port number, and IPP printer name.

Advanced Security Settings for Enterprise

Items	Setting value and Description
URL(Wi-Fi Direct)	Displays IPP URLs (http and https) when the printer is connected by Wi-Fi Direct. The URL is a combined value of the printer's IP address, Port number, and IPP printer name.
Printer Name	Displays the IPP printer name.
Location	Displays the IPP location.
FTP Settings	
Enable FTP Server	Select to enable FTP printing. Only printers that support FTP printing are displayed.
Communication Timeout (sec)	Enter the timeout value for FTP communication between 0 to 3,600 seconds. If you do not want to timeout, enter 0.
SNMPv1/v2c Settings	
Enable SNMPv1/v2c	Select to enable SNMPv1/v2c. Only printers that support SNMPv3 are displayed.
Access Authority	Set the access authority when SNMPv1/v2c is enabled. Select **Read Only** or **Read/Write**.
Community Name (Read Only)	Enter 0 to 32 ASCII (0x20 to 0x7E) characters.
Community Name (Read/Write)	Enter 0 to 32 ASCII (0x20 to 0x7E) characters.
SNMPv3 Settings	
Enable SNMPv3	SNMPv3 is enabled when the box is checked.
User Name	Enter between 1 and 32 characters using 1 byte characters.
Authentication Settings	
Algorithm	Select an algorithm for an authentication for SNMPv3.
Password	Enter the password for an authentication for SNMPv3. Enter between 8 and 32 characters in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
Confirm Password	Enter the password you configured for confirmation.
Encryption Settings	
Algorithm	Select an algorithm for an encryption for SNMPv3.
Password	Enter the password for an encryption for SNMPv3. Enter between 8 and 32 characters in ASCII (0x20-0x7E). If you do not specify this, leave it blank.
Confirm Password	Enter the password you configured for confirmation.
Context Name	Enter within 32 characters or less in Unicode (UTF-8). If you do not specify this, leave it blank. The number of characters that can be entered varies depending on the language.

Encrypted Communication Using IPsec/IP Filtering

About IPsec/IP Filtering

If the printer supports IPsec/IP Filtering, you can filter traffic based on IP addresses, services, and port. By combining of the filtering, you can configure the printer to accept or block specified clients and specified data. Additionally, you can improve security level by using an IPsec.

To filter traffic, configure the default policy. The default policy applies to every user or group connecting to the printer. For more fine-grained control over users and groups of users, configure group policies. A group policy is one or more rules applied to a user or user group. The printer controls IP packets that match with configured policies. IP packets are authenticated in the order of a group policy 1 to 10 then a default policy.

Note:
Computers that run Windows Vista or later or Windows Server 2008 or later support IPsec.

Configuring Default Policy

1. Access Web Config and then select the **Network Security** tab > **IPsec/IP Filtering** > **Basic**.

2. Enter a value for each item.

3. Click **Next**.

    A confirmation message is displayed.

4. Click **OK**.

    The printer is updated.

Related Information

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Advanced Security Settings for Enterprise

Default Policy Setting Items
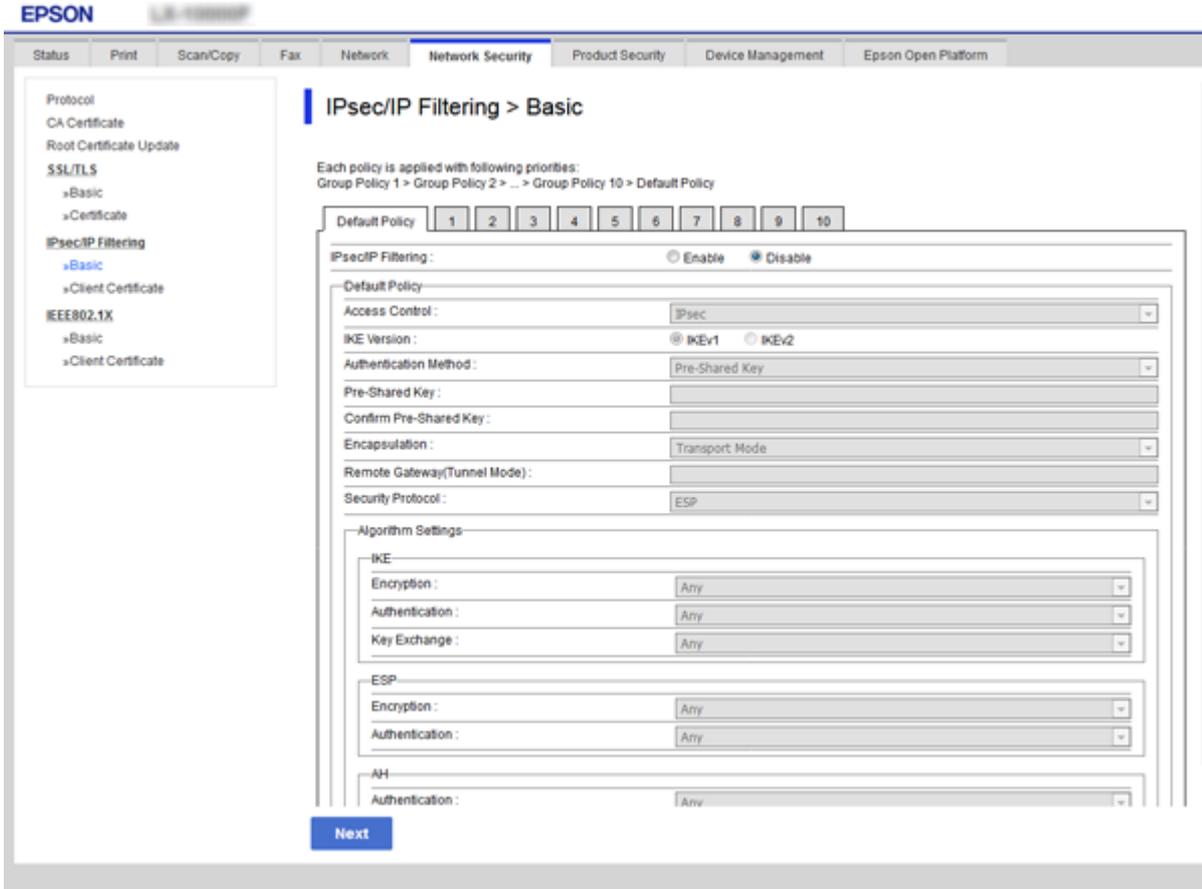
Items	Settings and Explanation	
IPsec/IP Filtering	You can enable or disable an IPsec/IP Filtering feature.	
Access Control	Configure a control method for traffic of IP packets.	
	Permit Access	Select this to permit configured IP packets to pass through.
	Refuse Access	Select this to refuse configured IP packets to pass through.
	IPsec	Select this to permit configured IPsec packets to pass through.
IKE Version	Select IKEv1 or IKEv2 for IKE version. Select one of them according to the device that the printer is connected to.	
IKEv1	The following items are displayed when you select **IKEv1** for **IKE Version**.	
	Authentication Method	To select **Certificate**, you need to obtain and import a CA-signed certificate in advance.
	Pre-Shared Key	If you select **Pre-Shared Key** for **Authentication Method**, enter a pre-shared key between 1 and 127 characters.
	Confirm Pre-Shared Key	Enter the key you configured for confirmation.
IKEv2	The following items are displayed when you select **IKEv2** for **IKE Version**.	

Advanced Security Settings for Enterprise

Items	Settings and Explanation	
Local	Authentication Method	To select **Certificate**, you need to obtain and import a CA-signed certificate in advance.
	ID Type	If you select **Pre-Shared Key** for **Authentication Method**, select the type of ID for the printer.
	ID	Enter the printer's ID that matches the type of ID. You cannot use "@", "#", and "=" for the first character. **Distinguished Name** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "=". **IP Address** : Enter IPv4 or IPv6 format. **FQDN** : Enter a combination of between 1 and 255 characters using A-Z, a-z, 0-9, "-", and period (.). **Email Address** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "@". **Key ID** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters.
	Pre-Shared Key	If you select **Pre-Shared Key** for **Authentication Method**, enter a pre-shared key between 1 and 127 characters.
	Confirm Pre-Shared Key	Enter the key you configured for confirmation.
Remote	Authentication Method	To select **Certificate**, you need to obtain and import a CA-signed certificate in advance.
	ID Type	If you select **Pre-Shared Key** for **Authentication Method**, select the type of ID for the device that you want to authenticate.
	ID	Enter the printer's ID that matches to the type of ID. You cannot use "@", "#", and "=" for the first character. **Distinguished Name** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "=". **IP Address** : Enter IPv4 or IPv6 format. **FQDN** : Enter a combination of between 1 and 255 characters using A-Z, a-z, 0-9, "-", and period (.). **Email Address** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "@". **Key ID** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters.
	Pre-Shared Key	If you select **Pre-Shared Key** for **Authentication Method**, enter a pre-shared key between 1 and 127 characters.
	Confirm Pre-Shared Key	Enter the key you configured for confirmation.

Advanced Security Settings for Enterprise

Items	Settings and Explanation	
Encapsulation	If you select **IPsec** for **Access Control**, you need to configure an encapsulation mode.	
	Transport Mode	If you only use the printer on the same LAN, select this. IP packets of layer 4 or later are encrypted.
	Tunnel Mode	If you use the printer on the Internet-capable network such as IPsec-VPN, select this option. The header and data of the IP packets are encrypted.
Remote Gateway(Tunnel Mode)	If you select **Tunnel Mode** for **Encapsulation**, enter a gateway address between 1 and 39 characters.	
Security Protocol	**IPsec** for **Access Control**, select an option.	
	ESP	Select this to ensure the integrity of an authentication and data, and encrypt data.
	AH	Select this to ensure the integrity of an authentication and data. Even if encrypting data is prohibited, you can use IPsec.
Algorithm Settings*		
IKE	Encryption	Select the encryption algorithm for IKE. The items vary depending on the version of IKE.
	Authentication	Select the authentication algorithm for IKE.
	Key Exchange	Select the key exchange algorithm for IKE. The items vary depending on the version of IKE.
ESP	Encryption	Select the encryption algorithm for ESP. This is available when **ESP** is selected for **Security Protocol**.
	Authentication	Select the authentication algorithm for ESP. This is available when **ESP** is selected for **Security Protocol**.
AH	Authentication	Select the encryption algorithm for AH. This is available when **AH** is selected for **Security Protocol**.

* For Algorithm Settings, it is recommended that you select **Any** for all settings or select an item other than **Any** for each setting. If you select **Any** for some of the settings and select an item other than **Any** for the other settings, the device may not communicate depending on the other device that you want to authenticate.

Related Information

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Configuring Group Policy

1. Access Web Config and then select the **Network Security** tab > **IPsec/IP Filtering** > **Basic**.

2. Click a numbered tab you want to configure.

Advanced Security Settings for Enterprise

3. Enter a value for each item.

4. Click **Next**.

   A confirmation message is displayed.

5. Click **OK**.

   The printer is updated.

Related Information

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Group Policy Setting Items
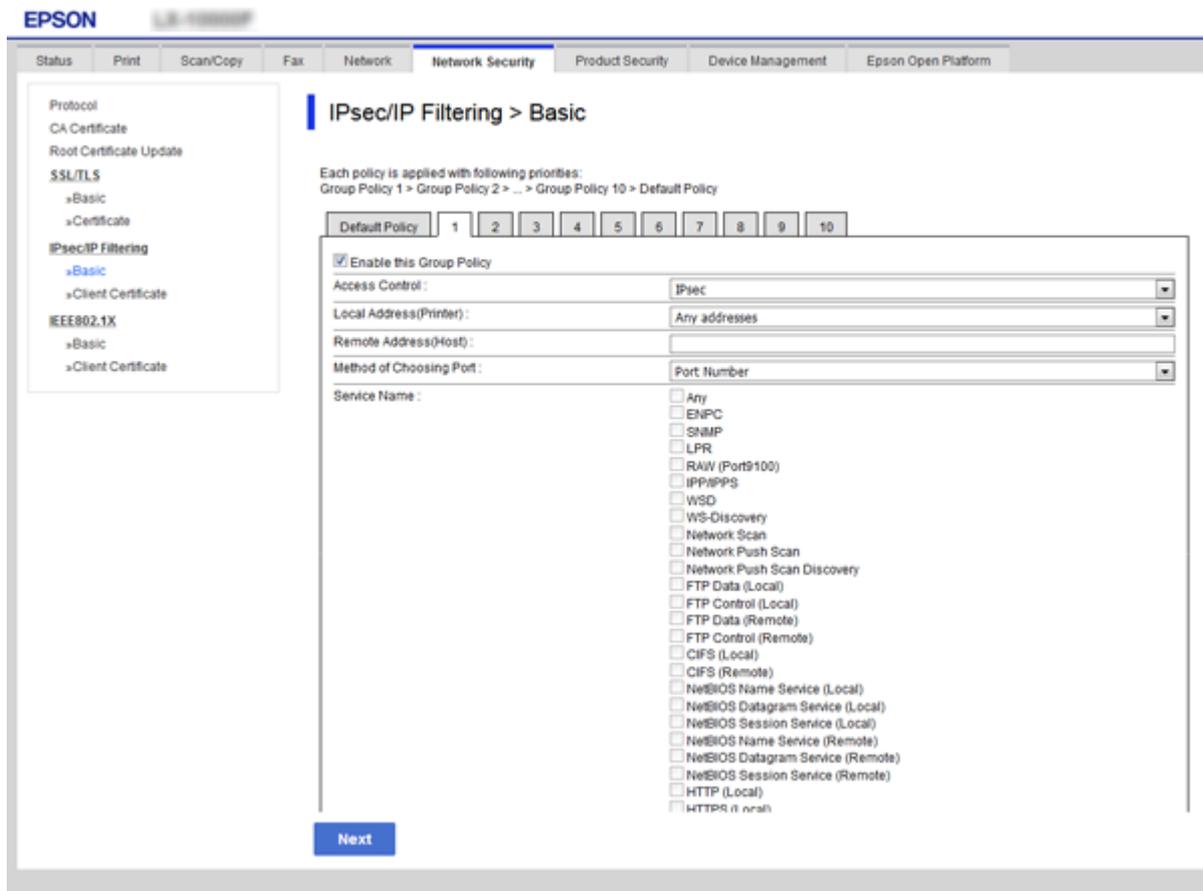
Items	Settings and Explanation
Enable this Group Policy	You can enable or disable a group policy.

Advanced Security Settings for Enterprise

Items	Settings and Explanation	
Access Control	Configure a control method for traffic of IP packets.	
	Permit Access	Select this to permit configured IP packets to pass through.
	Refuse Access	Select this to refuse configured IP packets to pass through.
	IPsec	Select this to permit configured IPsec packets to pass through.
Local Address(Printer)	Select an IPv4 address or IPv6 address that matches your network environment. If an IP address is assigned automatically, you can select **Use auto-obtained IPv4 address**. *Note:* *If an IPv6 address is assigned automatically, the connection may be unavailable. Configure a static IPv6 address.*	
Remote Address(Host)	Enter a device's IP address to control access. The IP address must be 43 characters or less. If you do not enter an IP address, all addresses are controlled. *Note:* *If an IP address is assigned automatically (e.g. assigned by DHCP), the connection may be unavailable. Configure a static IP address.*	
Method of Choosing Port	Select a method to specify ports.	
Service Name	If you select **Service Name** for **Method of Choosing Port**, select an option.	
Transport Protocol	If you select **Port Number** for **Method of Choosing Port**, you need to configure an encapsulation mode.	
	Any Protocol	Select this to control all protocol types.
	TCP	Select this to control data for unicast.
	UDP	Select this to control data for broadcast and multicast.
	ICMPv4	Select this to control ping command.
Local Port	If you select **Port Number** for **Method of Choosing Port** and if you select **TCP** or **UDP** for **Transport Protocol**, enter port numbers to control receiving packets, separating them with commas. You can enter 10 port numbers at the maximum. Example: 20,80,119,5220 If you do not enter a port number, all ports are controlled.	
Remote Port	If you select **Port Number** for **Method of Choosing Port** and if you select **TCP** or **UDP** for **Transport Protocol**, enter port numbers to control sending packets, separating them with commas. You can enter 10 port numbers at the maximum. Example: 25,80,143,5220 If you do not enter a port number, all ports are controlled.	
IKE Version	Select IKEv1 or IKEv2 for IKE version. Select one of them according to the device that the printer is connected to.	

Advanced Security Settings for Enterprise

Items	Settings and Explanation	
IKEv1	The following items are displayed when you select **IKEv1** for **IKE Version**.	
	Authentication Method	If you select **IPsec** for **Access Control**, select an option. Used certificate is common with a default policy.
	Pre-Shared Key	If you select **Pre-Shared Key** for **Authentication Method**, enter a pre-shared key between 1 and 127 characters.
	Confirm Pre-Shared Key	Enter the key you configured for confirmation.
IKEv2	The following items are displayed when you select **IKEv2** for **IKE Version**.	
Local	Authentication Method	If you select **IPsec** for **Access Control**, select an option. Used certificate is common with a default policy.
	ID Type	If you select **Pre-Shared Key** for **Authentication Method**, select the type of ID for the printer.
	ID	Enter the printer's ID that matches to the type of ID. You cannot use "@", "#", and "=" for the first character. **Distinguished Name** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "=". **IP Address** : Enter IPv4 or IPv6 format. **FQDN** : Enter a combination of between 1 and 255 characters using A-Z, a-z, 0-9, "-", and period (.). **Email Address** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "@". **Key ID** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters.
	Pre-Shared Key	If you select **Pre-Shared Key** for **Authentication Method**, enter a pre-shared key between 1 and 127 characters.
	Confirm Pre-Shared Key	Enter the key you configured for confirmation.

Advanced Security Settings for Enterprise

Items	Settings and Explanation	
Remote	Authentication Method	If you select **IPsec** for **Access Control**, select an option. Used certificate is common with a default policy.
	ID Type	If you select **Pre-Shared Key** for **Authentication Method**, select the type of ID for the device that you want to authenticate.
	ID	Enter the printer's ID that matches to the type of ID. You cannot use "@", "#", and "=" for the first character. **Distinguished Name** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "=". **IP Address** : Enter IPv4 or IPv6 format. **FQDN** : Enter a combination of between 1 and 255 characters using A-Z, a-z, 0-9, "-", and period (.). **Email Address** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. You need to include "@". **Key ID** : Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters.
	Pre-Shared Key	If you select **Pre-Shared Key** for **Authentication Method**, enter a pre-shared key between 1 and 127 characters.
	Confirm Pre-Shared Key	Enter the key you configured for confirmation.
Encapsulation	If you select **IPsec** for **Access Control**, you need to configure an encapsulation mode.	
	Transport Mode	If you only use the printer on the same LAN, select this. IP packets of layer 4 or later are encrypted.
	Tunnel Mode	If you use the printer on the Internet-capable network such as IPsec-VPN, select this option. The header and data of the IP packets are encrypted.
Remote Gateway(Tunnel Mode)	If you select **Tunnel Mode** for **Encapsulation**, enter a gateway address between 1 and 39 characters.	
Security Protocol	If you select **IPsec** for **Access Control**, select an option.	
	ESP	Select this to ensure the integrity of an authentication and data, and encrypt data.
	AH	Select this to ensure the integrity of an authentication and data. Even if encrypting data is prohibited, you can use IPsec.
Algorithm Settings*		
IKE	Encryption	Select the encryption algorithm for IKE. The items vary depending on the version of IKE.
	Authentication	Select the authentication algorithm for IKE.
	Key Exchange	Select the key exchange algorithm for IKE. The items vary depending on the version of IKE.

Advanced Security Settings for Enterprise

Items		Settings and Explanation
ESP	Encryption	Select the encryption algorithm for ESP. This is available when **ESP** is selected for **Security Protocol**.
	Authentication	Select the authentication algorithm for ESP. This is available when **ESP** is selected for **Security Protocol**.
AH	Authentication	Select the authentication algorithm for AH. This is available when **AH** is selected for **Security Protocol**.

* For Algorithm Settings, it is recommended that you select **Any** for all settings or select an item other than **Any** for each setting. If you select **Any** for some of the settings and select an item other than **Any** for the other settings, the device may not communicate depending on the other device that you want to authenticate.

Related Information

Combination of Local Address(Printer) and Remote Address(Host) on Group Policy

		Setting of Local Address(Printer)		
		IPv4	IPv6*²	Any addresses*³
Setting of Remote Address(Host)	IPv4*¹	✓	–	✓
	IPv6*¹*²	–	✓	✓
	Blank	✓	✓	✓

*1If **IPsec** is selected for **Access Control**, you cannot specify in a prefix length.

*2If **IPsec** is selected for **Access Control**, you can select a link-local address (fe80::) but group policy will be disabled.

*3Except IPv6 link local addresses.

References of Service Name on Group Policy

Note:
Unavailable services are displayed but cannot be selected.

Service Name	Protocol type	Local port number	Remote port number	Features controlled
Any	–	–	–	All services

Advanced Security Settings for Enterprise

Service Name	Protocol type	Local port number	Remote port number	Features controlled
ENPC	UDP	3289	Any port	Searching for a printer from applications such as EpsonNet Config, a printer driver and the a scanner driver
SNMP	UDP	161	Any port	Acquiring and configuring of MIB from applications such as EpsonNet Config, the Epson printer driver and the Epson scanner driver
LPR	TCP	515	Any port	Forwarding LPR data
RAW (Port9100)	TCP	9100	Any port	Forwarding RAW data
WSD	TCP	Any port	5357	Controlling WSD
WS-Discovery	UDP	3702	Any port	Searching for a printer from WSD
Network Scan	TCP	1865	Any port	Forwarding scan data from Document Capture Pro
Network Push Scan	TCP	Any port	2968	Acquiring job information of push scanning from Document Capture Pro
Network Push Scan Discovery	UDP	2968	Any port	Searching for a computer when push scanning from Document Capture Pro is executed
FTP Data (Local)	TCP	20	Any port	FTP server (forwarding data of FTP printing)
FTP Control (Local)	TCP	21	Any port	FTP server (controlling FTP printing)
FTP Data (Remote)	TCP	Any port	20	FTP client (forwarding scan data and received fax data) However this can control only an FTP server that uses remote port number 20.
FTP Control (Remote)	TCP	Any port	21	FTP client (controlling to forward scan data and received fax data)
CIFS (Local)	TCP	445	Any port	CIFS server (Sharing a network folder)
CIFS (Remote)	TCP	Any port	445	CIFS client (forwarding scan data and received fax data to a folder)
NetBIOS Name Service (Local)	UDP	137	Any port	CIFS server (Sharing a network folder)
NetBIOS Datagram Service (Local)	UDP	138	Any port	
NetBIOS Session Service (Local)	TCP	139	Any port	

Advanced Security Settings for Enterprise

Service Name	Protocol type	Local port number	Remote port number	Features controlled
NetBIOS Name Service (Remote)	UDP	Any port	137	CIFS client (forwarding scan data and received fax data to a folder)
NetBIOS Datagram Service (Remote)	UDP	Any port	138	
NetBIOS Session Service (Remote)	TCP	Any port	139	
HTTP (Local)	TCP	80	Any port	HTTP(S) server (forwarding data of Web Config and WSD)
HTTPS (Local)	TCP	443	Any port	
HTTP (Remote)	TCP	Any port	80	HTTP(S) client (communicating between Epson Connect or Google Cloud Print, firmware updating and root certificate updating)
HTTPS (Remote)	TCP	Any port	443	

Configuration Examples of IPsec/IP Filtering

Receiving IPsec packets only

This example is to configure a default policy only.

Default Policy:

❑ **IPsec/IP Filtering**: **Enable**

❑ **Access Control**: **IPsec**

❑ **Authentication Method**: **Pre-Shared Key**

❑ **Pre-Shared Key**: Enter up to 127 characters.

Group Policy:

Do not configure.

Receiving printing data and printer settings

This example allows communications of printing data and printer configuration from specified services.

Default Policy:

❑ **IPsec/IP Filtering**: **Enable**

❑ **Access Control**: **Refuse Access**

Group Policy:

❑ **Enable this Group Policy**: Check the box.

❑ **Access Control**: **Permit Access**

❑ **Remote Address(Host)**: IP address of a client

❑ **Method of Choosing Port**: **Service Name**

❑ **Service Name**: Check the box of **ENPC, SNMP, HTTP (Local), HTTPS (Local)** and **RAW (Port9100)**.

Advanced Security Settings for Enterprise

Receiving access from a specified IP address only

This example allows a specified IP address to access the printer.

Default Policy:

❏ **IPsec/IP Filtering: Enable**

❏ **Access Control:Refuse Access**

Group Policy:

❏ **Enable this Group Policy**: Check the box.

❏ **Access Control**: **Permit Access**

❏ **Remote Address(Host)**: IP address of an administrator's client

Note:
Regardless of policy configuration, the client will be able to access and configure the printer.

# Configuring a Certificate for IPsec/IP Filtering

Configure the Client Certificate for IPsec/IP Filtering. If you want to configure the certification authority, go to **CA Certificate**.

1. Access Web Config and then select the **Network Security** tab > **IPsec/IP Filtering** > **Client Certificate**.

2. Import the certificate in **Client Certificate**.

    If you have already imported a certificate published by a Certification Authority in IEEE802.1X or SSL/TLS, you can copy the certificate and use it in IPsec/IP Filtering. To copy, select the certificate from **Copy From**, and then click **Copy**.
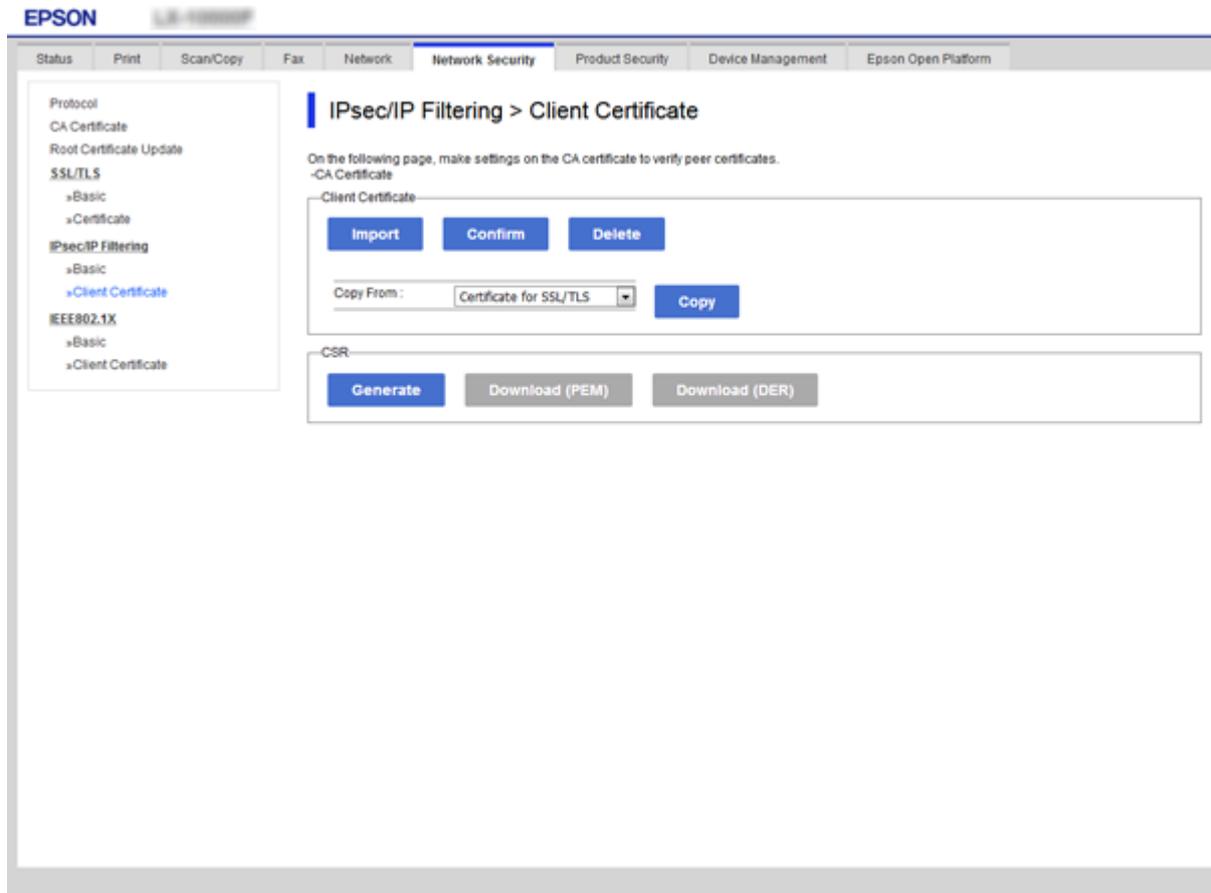
Related Information

Using SNMPv3 Protocol

About SNMPv3

SNMP is a protocol that carries out monitoring and control to collect the information of the devices that are connected to the network. SNMPv3 is the management security feature version that has been enhanced.

When using SNMPv3, state monitoring and setting changes of the SNMP communication (packet) can be authenticated and encrypted in order to protect the SNMP communication (packet) from network risks, such as wiretapping, impersonation, and tampering.

Configuring SNMPv3

If the printer supports the SNMPv3 protocol, you can monitor and control accesses to the printer.

1. Access Web Config and then select the **Network Security** tab > **Protocol**.

2. Enter a value for each item of **SNMPv3 Settings**.

3. Click **Next**.

    A confirmation message is displayed.

4. Click **OK**.

    The printer is updated.

Related Information

➡ "Accessing Web Config" on page 39
➡ "SNMPv3 Setting Items" on page 146

SNMPv3 Setting Items
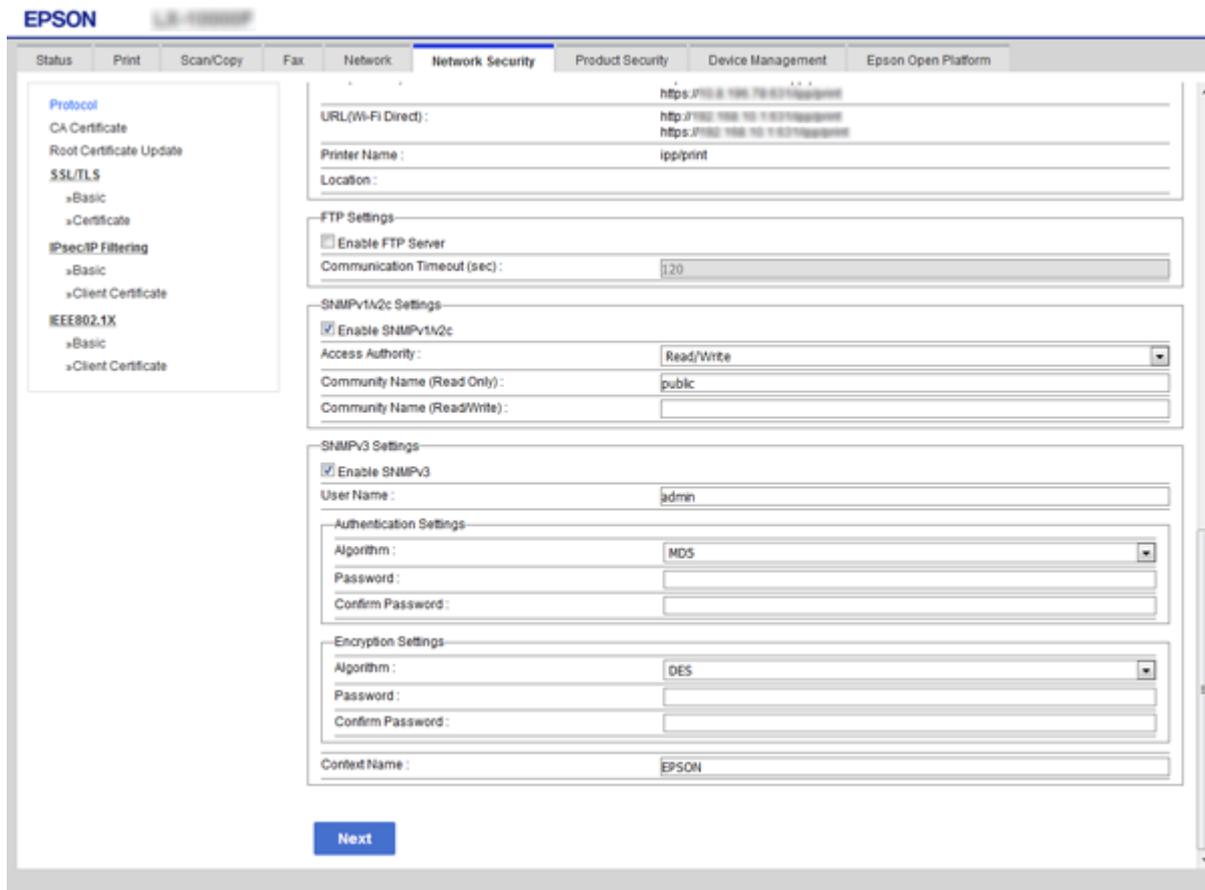
Advanced Security Settings for Enterprise

Items	Settings and Explanation
Enable SNMPv3	SNMPv3 is enabled when the box is checked.
User Name	Enter between 1 and 32 characters using 1 byte characters.
Authentication Settings	
Algorithm	Select an algorithm for an authentication.
Password	Enter between 8 and 32 characters in ASCII (0x20-0x7E).
Confirm Password	Enter the password you configured for confirmation.
Encryption Settings	
Algorithm	Select an algorithm for an encryption.
Password	Enter between 8 and 32 characters in ASCII (0x20-0x7E).
Confirm Password	Enter the password you configured for confirmation.
Context Name	Enter between 1 and 32 characters using 1 byte characters.

Related Information

Connecting the Printer to an IEEE802.1X Network

Configuring an IEEE802.1X Network

If the printer supports IEEE802.1X, you can use the printer on a network with authentication that is connected to a RADIUS server and a hub as an authenticator.

1. Access Web Config and then select the **Network Security** tab > **IEEE802.1X** > **Basic**.

2. Enter a value for each item.

   If you want to use the printer on a Wi-Fi network, click **Wi-Fi Setup** and select or enter an SSID.

   Note:
   You can share settings between Ethernet and Wi-Fi.

3. Click **Next**.

   A confirmation message is displayed.

4. Click **OK**.

   The printer is updated.

Related Information

Advanced Security Settings for Enterprise

IEEE802.1X Network Setting Items
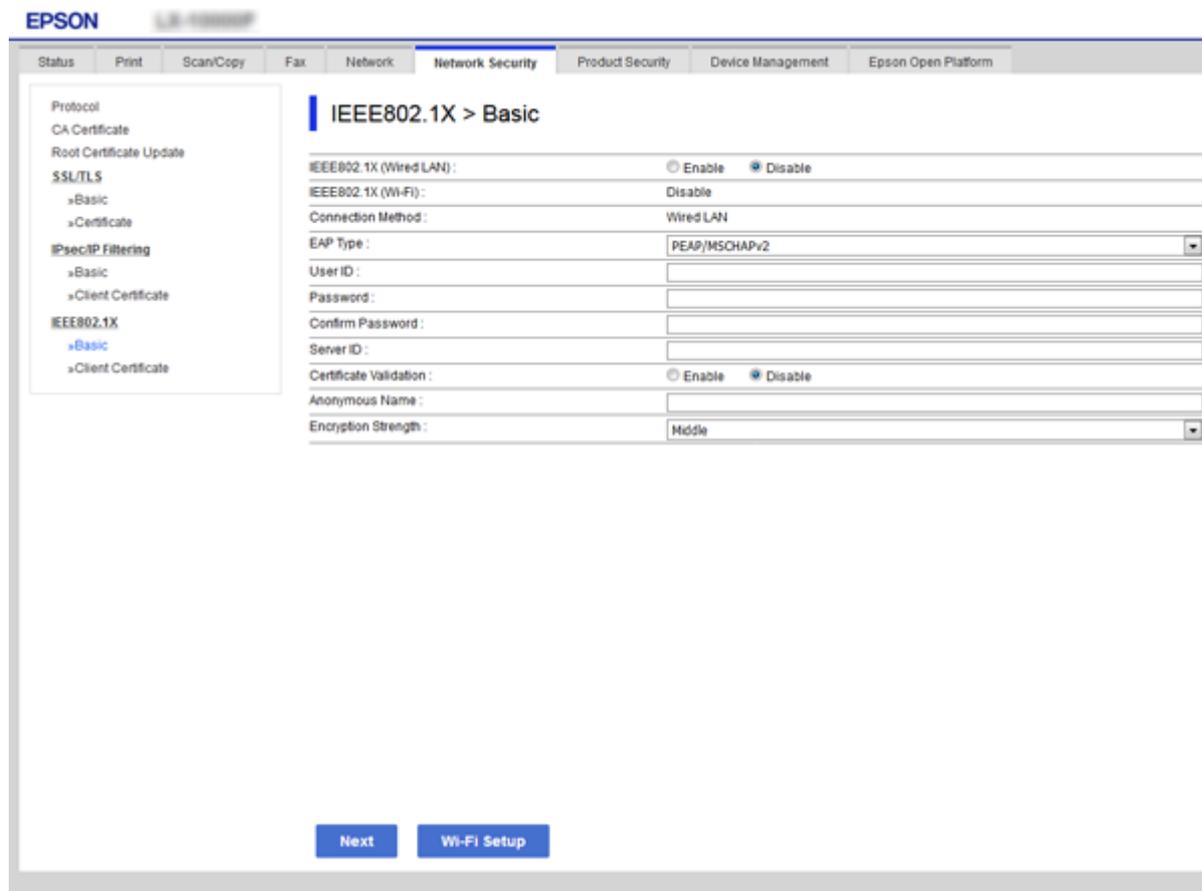
Items	Settings and Explanation	
IEEE802.1X (Wired LAN)	You can enable or disable settings of the page (**IEEE802.1X** > **Basic**) for IEEE802.1X (Wired LAN).	
IEEE802.1X (Wi-Fi)	The connection status of IEEE802.1X (Wi-Fi) is displayed.	
Connection Method	The connection method of a current network is displayed.	
EAP Type	Select an option for an authentication method between the printer and a RADIUS server.	
	EAP-TLS	You need to obtain and import a CA-signed certificate.
	PEAP-TLS	
	PEAP/MSCHAPv2	You need to configure a password.
User ID	Configure an ID to use for an authentication of a RADIUS server. Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters.	
Password	Configure a password to authenticate the printer. Enter 1 to 128 1-byte ASCII (0x20 to 0x7E) characters. If you are using a Windows server as a RADIUS server, you can enter up to 127 characters.	

Advanced Security Settings for Enterprise

Items	Settings and Explanation	
Confirm Password	Enter the password you configured for confirmation.	
Server ID	You can configure a server ID to authenticate with a specified RADIUS server. Authenticator verifies whether a server ID is contained in the subject/subjectAltName field of a server certificate that is sent from a RADIUS server or not. Enter 0 to 128 1-byte ASCII (0x20 to 0x7E) characters.	
Certificate Validation	You can set certificate validation regardless of the authentication method. Import the certificate in **CA Certificate**.	
Anonymous Name	If you select **PEAP-TLS** or **PEAP/MSCHAPv2** for **Authentication Method**, you can configure an anonymous name instead of a user ID for a phase 1 of a PEAP authentication. Enter 0 to 128 1-byte ASCII (0x20 to 0x7E) characters.	
Encryption Strength	You can select one of the followings.	
	High	AES256/3DES
	Middle	AES256/3DES/AES128/RC4

Related Information

➡

Configuring a Certificate for IEEE802.1X

Configure the Client Certificate for IEEE802.1X. If you want to configure the certification authority certificate, go to **CA Certificate**.

1. Access Web Config and then select the **Network Security** tab > **IEEE802.1X** > **Client Certificate**.

Advanced Security Settings for Enterprise

2. Enter a certificate in the **Client Certificate**.

   You can copy the certificate if it is published by a Certification Authority. To copy, select the certificate from **Copy From**, and then click **Copy**.
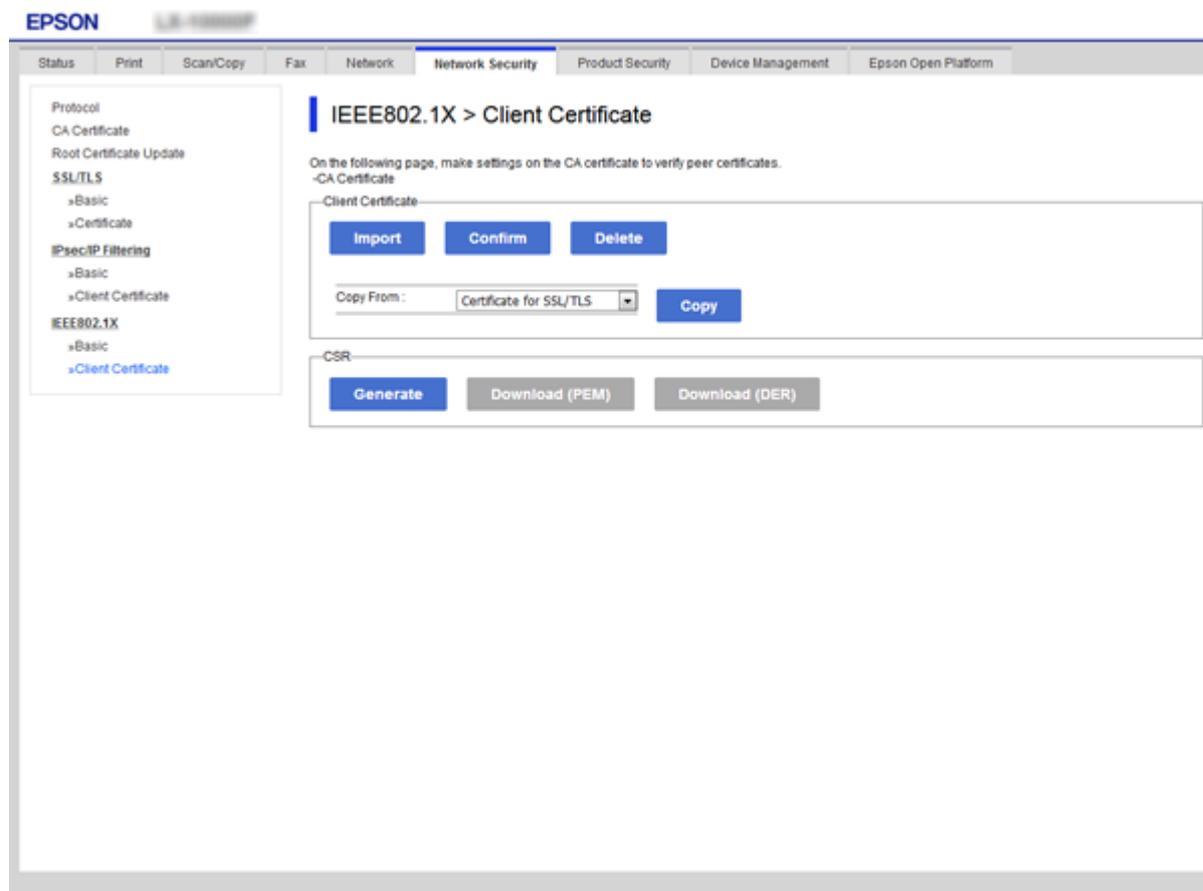
Related Information

➡

➡

Checking IEEE802.1X Network Status

You can check the IEEE802.1X status by printing a network status sheet. For more information on printing a network status sheet, see the printer's documentation.

Status ID	IEEE802.1X Status
Disable	IEEE802.1X feature is disable.
EAP Success	IEEE802.1X authentication has succeeded and network connection is available.
Authenticating	IEEE802.1X authentication has not been completed.
Config Error	Authentication has failed since the user ID has not been set.
Client Certificate Error	Authentication has failed since the client certificate is out of date.

Status ID	IEEE802.1X Status
Timeout Error	Authentication has failed since there is no answer from the RADIUS server and/or authenticator.
User ID Error	Authentication has failed since the printer's user ID and/or certificate protocol is incorrect.
Server ID Error	Authentication has failed since the server ID of the server certificate and the server's ID do not match.
Server Certificate Error	Authentication has failed since there are the following errors in the server certificate. ❏ The server certificate is out of date. ❏ The chain of the server certificate is incorrect.
CA Certificate Error	Authentication has failed since there are the following errors in a CA certificate. ❏ Specified CA certificate is incorrect. ❏ The correct CA certificate is not imported. ❏ CA certificate is out of date.
EAP Failure	Authentication has failed since there are the following errors in the printer settings. ❏ If **EAP Type** is **EAP-TLS** or **PEAP-TLS**, client certificate is incorrect or has certain problems. ❏ If **EAP Type** is **PEAP/MSCHAPv2**, user ID or password is not correct.

Using Epson Open Platform

Epson Open Platform Overview

Epson Open Platform is an Epson device platform that can utilize the user interface provided by the authentication system server.

You can acquire the logs of each device and user in cooperation with the server, and configure restrictions on the device and functions that can be used for each user and group. It can be used with Epson Print Admin (Epson Authentication System) or a third-party authentication system.

If you connect an authentication device, you can also perform user authentication using the ID card.

Configuring Epson Open Platform

Enable Epson Open Platform so that you can use the device from the authentication system.

1. Access Web Config and then select the **Epson Open Platform** tab > **Product key**.

2. Enter a value for each item.

    ❏ Serial Number

    The serial number of the device is displayed.

❏ Epson Open Platform Version

Select the version of Epson Open Platform. The corresponding version varies depending on the authentication system.

❏ Enter product key

Enter the product key obtained from the dedicated Web site. See the Epson Open Platform manual for details such as how to obtain the product key.

3. Click **Next**.

A confirmation message is displayed.

4. Click **OK**.

The printer is updated.

Checking and Configuring the Authentication System

You can check and configure the authentication system that uses Epson Open Platform from the **Epson Open Platform** tab > **Authentication System**.

Depending on the authentication system, it may be automatically configured from the authentication system or you can enter the value when connecting and registering a device. For more information, see the manual provided with the authentication system.

❏ Basic

You can check the settings of the server of the authentication system to be connected to Epson Open Platform, as well as the value written by the authentication system.

❏ Connection Test

You can check the connection to the authentication system with the value set in **Basic**. Click **Start** to check the connection and display the result.

Configuring the Authentication Device

You can configure the authentication device used in the authentication system from the **Device Management** tab > **Card Reader**.

Configure it when limiting the authentication device to be used or when checking that the authentication device is reading. For more information, see the manual of the authentication system.

Solving Problems for Advanced Security

Restoring the Security Settings

When you establish a highly secure environment such as IPsec/IP Filtering or IEEE802.1X, you may not be able to communicate with devices because of incorrect settings or trouble with the device or server. In this case, restore the security settings in order to make settings for the device again or to allow you temporary use.

Disabling the Security Function Using the Control Panel

You can disable IPsec/IP Filtering or IEEE802.1X using the printer's control panel.

1. Tap **Settings** > **General Settings** > **Network Settings**.

2. Tap **Advanced**.

3. Select from the following items that you want to disable.

   ❏ **Disable IPsec/IP Filtering**

   ❏ **Disable IEEE802.1X**

4. Tap **Proceed** on the confirmation screen.

5. When a completion message is displayed, tap **Close**.

   The screen automatically closes after a specific length of time if you do not tap **Close**.

Restoring the Security Function Using Web Config

For IEEE802.1X, devices may not be recognized on the network. In that case, disable the function using the printer's control panel.

For IPsec/IP Filtering, you can disable the function if you can access the device from the computer.

Disabling IPsec/IP Filtering Using Web Config

1. Access Web Config and then select the **Network Security** tab > **IPsec/IP Filtering** > **Basic**.

2. Select **Disable** for **IPsec/IP Filtering** in **Default Policy**.

3. Click **Next**, and then clear **Enable this Group Policy** for all group policies.

4. Click **OK**.

Related Information

➡

Problems Using Network Security Features

Forgot a Pre–shared Key

Configure the key again using Web Config.

To change the key, access Web Config and select the **Network Security** tab > **IPsec/IP Filtering** > **Basic** > **Default Policy** or **Group Policy**.

When you change the pre-shared key, configure the pre-shared key for computers.

Advanced Security Settings for Enterprise

Related Information

➡ "Accessing Web Config" on page 39

Cannot Communicate with IPsec Communication

Are you using an unsupported algorithm for the computer settings?

The printer supports the following algorithms.

Security Methods	Algorithms
IKE encryption algorithm	AES-CBC-128, AES-CBC-192, AES-CBC-256, AES-GCM-128*, AES-GCM-192*, AES-GCM-256*, 3DES
IKE authentication algorithm	SHA-1, SHA-256, SHA-384, SHA-512, MD5
IKE key exchange algorithm	DH Group1, DH Group2, DH Group5, DH Group14, DH Group15, DH Group16, DH Group17, DH Group18, DH Group19, DH Group20, DH Group21, DH Group22, DH Group23, DH Group24, DH Group25, DH Group26, DH Group27*, DH Group28*, DH Group29*, DH Group30*
ESP encryption algorithm	AES-CBC-128, AES-CBC-192, AES-CBC-256, AES-GCM-128, AES-GCM-192, AES-GCM-256, 3DES
ESP authentication algorithm	SHA-1, SHA-256, SHA-384, SHA-512, MD5
AH authentication algorithm	SHA-1, SHA-256, SHA-384, SHA-512, MD5

*available for IKEv2 only

Related Information

➡ "Encrypted Communication Using IPsec/IP Filtering" on page 133

Cannot Communicate Suddenly

Is the printer's IP address invalid or has it changed?

Disable IPsec using the printer's control panel.

If the DHCP is out of date, rebooting or the IPv6 address is out of date or has not been obtained, then the IP address registered for the printer's Web Config (**Network Security** tab > **IPsec/IP Filtering** > **Basic** > **Group Policy** > **Local Address(Printer)**) may not be found.

Use a static IP address.

Is the computer's IP address invalid or has it changed?

Disable IPsec using the printer's control panel.

If the DHCP is out of date, rebooting or the IPv6 address is out of date or has not been obtained, then the IP address registered for the printer's Web Config (**Network Security** tab > **IPsec/IP Filtering** > **Basic** > **Group Policy** > **Remote Address(Host)**) may not be found.

Use a static IP address.

Advanced Security Settings for Enterprise

Related Information

➡

➡

Cannot Create the Secure IPP Printing Port

Is the correct certificate specified as the server certificate for SSL/TLS communication?

If the specified certificate is not correct, creating a port may fail. Make sure you are using the correct certificate.

Is a CA certificate imported to the computer accessing the printer?

If a CA certificate is not imported to the computer, creating a port may fail. Make sure a CA certificate is imported.

Related Information

➡

Cannot Connect After Configuring IPsec/IP Filtering

The set value may be incorrect.

Disable IPsec/IP filtering from the printer's control panel. Connect the printer and computer and make the IPsec/IP Filtering settings again.

Related Information

➡

Cannot Access the Printer or Scanner after Configuring IEEE802.1X

The settings may be incorrect.

Disable IEEE802.1X and Wi-Fi from the printer's control panel. Connect the printer and a computer, and then configure IEEE802.1X again.

Related Information

➡

Problems on Using a Digital Certificate

Cannot Import a CA-signed Certificate

Does the CA-signed certificate and the information on the CSR match?

If the CA-signed certificate and CSR do not have the same information, the CSR cannot be imported. Check the following:

Advanced Security Settings for Enterprise

❏ Are you trying to import the certificate to a device that does not have the same information?

Check the information of the CSR and then import the certificate to a device that has the same information.

❏ Did you overwrite the CSR saved into the printer after sending the CSR to a certificate authority?

Obtain the CA-signed certificate again with the CSR.

Is the CA-signed certificate more than 5KB?

You cannot import a CA-signed certificate that is more than 5KB.

Is the password for importing the certificate correct?

If you forget the password, you cannot import the certificate.

Related Information

➡

Cannot Update a Self-Signed Certificate

Has the Common Name been entered?

Common Name must be entered.

Have unsupported characters been entered to Common Name? For example, Japanese is not supported.

Enter between 1 and 128 characters of either IPv4, IPv6, host name, or FQDN format in ASCII (0x20-0x7E).

Is a comma or space included in the Common Name?

If a comma is entered, the **Common Name** is divided at that point. If only a space is entered before or after a comma, an error occurs.

Related Information

➡

Cannot Create a CSR

Has the Common Name been entered?

The **Common Name** must be entered.

Have unsupported characters been entered to Common Name, Organization, Organizational Unit, Locality, State/Province? For example, Japanese is not supported.

Enter characters of either IPv4, IPv6, host name, or FQDN format in ASCII (0x20-0x7E).

Is a comma or space included in the Common Name?

If a comma is entered, the **Common Name** is divided at that point. If only a space is entered before or after a comma, an error occurs.

Advanced Security Settings for Enterprise

Related Information

➡

Warning Relating to a Digital Certificate Appears

Messages	Cause/What to do
Enter a Server Certificate.	**Cause:** You have not selected a file to import. **What to do:** Select a file and click **Import**.
CA Certificate 1 is not entered.	**Cause:** CA certificate 1 is not entered and only CA certificate 2 is entered. **What to do:** Import CA certificate 1 first.
Invalid value below.	**Cause:** Unsupported characters are contained in the file path and/or password. **What to do:** Make sure that the characters are entered correctly for the item.
Invalid date and time.	**Cause:** Date and time for the printer have not been set. **What to do:** Set date and time using Web Config, EpsonNet Config or the printer's control panel.
Invalid password.	**Cause:** The password set for CA certificate and entered password do not match. **What to do:** Enter the correct password.

Advanced Security Settings for Enterprise

Messages	Cause/What to do
Invalid file.	**Cause:** You are not importing a certificate file in X509 format. **What to do:** Make sure that you are selecting the correct certificate sent by a trusted certificate authority.
	Cause: The file you have imported is too large. The maximum file size is 5KB. **What to do:** If you select the correct file, the certificate might be corrupted or fabricated.
	Cause: The chain contained in the certificate is invalid. **What to do:** For more information on the certificate, see the website of the certificate authority.
Cannot use the Server Certificates that include more than three CA certificates.	**Cause:** The certificate file in PKCS#12 format contains more than 3 CA certificates. **What to do:** Import each certificate as converting from PKCS#12 format to PEM format, or import the certificate file in PKCS#12 format that contains up to 2 CA certificates.
The certificate has expired. Check if the certificate is valid, or check the date and time on your printer.	**Cause:** The certificate is out of date. **What to do:** ❑ If the certificate is out of date, obtain and import the new certificate. ❑ If the certificate is not out of date, make sure the printer's date and time are set correctly.
Private key is required.	**Cause:** There is no paired private key with the certificate. **What to do:** ❑ If the certificate is the PEM/DER format and it is obtained from a CSR using a computer, specify the private key file. ❑ If the certificate is the PKCS#12 format and it is obtained from a CSR using a computer, create a file that contains the private key.
	Cause: You have re-imported the PEM/DER certificate obtained from a CSR using Web Config. **What to do:** If the certificate is the PEM/DER format and it is obtained from a CSR using Web Config, you can only import it once.

Advanced Security Settings for Enterprise

Messages	Cause/What to do
Setup failed.	**Cause:** Cannot finish the configuration because the communication between the printer and computer failed or the file cannot be read by some errors. **What to do:** After checking the specified file and communication, import the file again.

Related Information

➡ "About Digital Certification" on page 120

Delete a CA-signed Certificate by Mistake

Is there a backup file for the certificate?

If you have the backup file, import the certificate again.

If you obtain a certificate using a CSR created from Web Config, you cannot import a deleted certificate again. Create a CSR and obtain a new certificate.

Related Information

➡ "Deleting a CA-signed Certificate" on page 124

➡ "Importing a CA-signed Certificate" on page 123