EPSON

EXCEED YOUR VISION

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 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 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. 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 of the printer.

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.

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.

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.

Introduction

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.

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	{			}	~	

* 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 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

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

4. Security settings
    ❏ Administrator settings
    ❏ SSL/TLS
    ❏ Protocol control

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

Related Information

➡ "Preparation" on page 10
➡ "Connection" on page 16
➡ "Function Settings" on page 26
➡ "Product Security Settings" on page 37
➡ "Operation and Management Settings" on page 51

Example of Network Environment
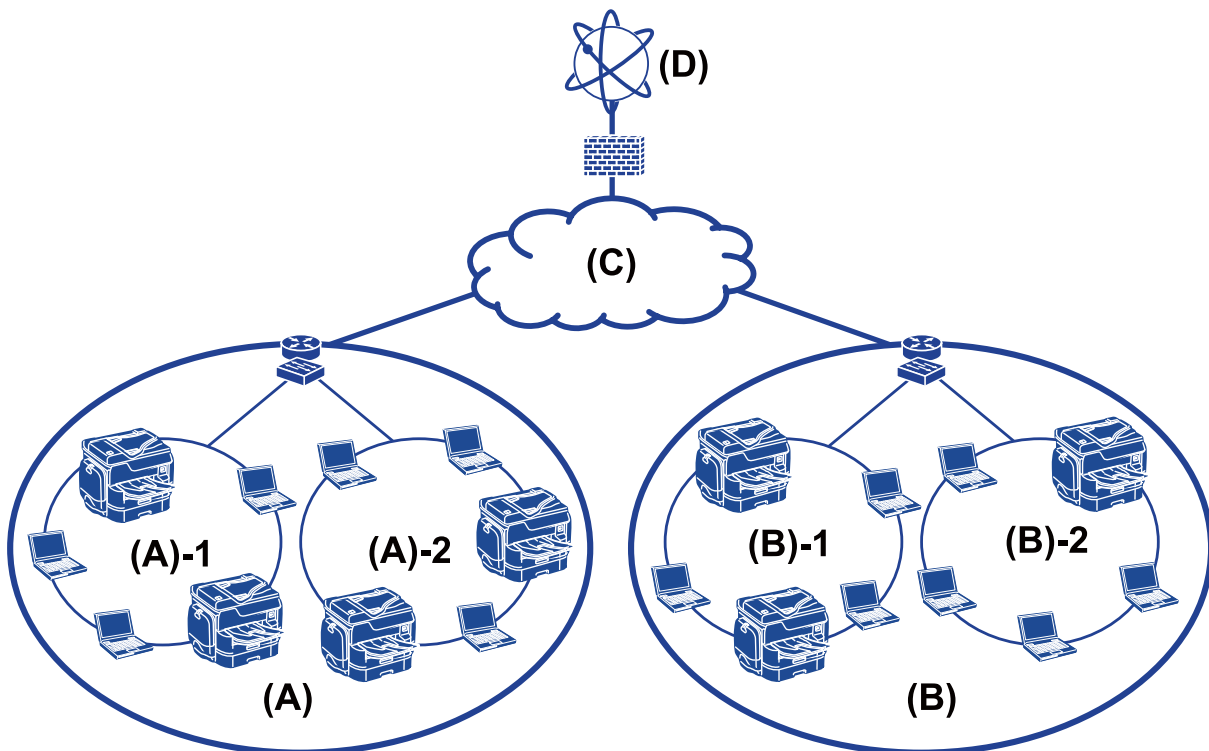
(A) : Office 1

❏ (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)

Related Information

➡ "Server / Client Connection Settings" on page 12
➡ "Peer to Peer Connection Settings" on page 12

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

➡ "Definitions of Terms Used in this Guide" on page 8

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

➡ "Definitions of Terms Used in this Guide" on page 8

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	In any of the following cases, configure the DNS server. ❏ You use a static IP address. ❏ You cannot automatically assign the DNS server since the IP address is assigned automatically using the DHCP function.
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

➡

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. Select **Settings** on the home screen on the printer's control panel.
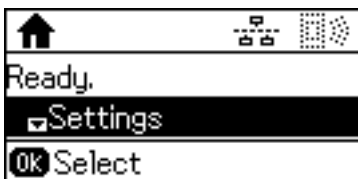
   Note:
   If the screen is turned off, press any button on the control panel.

3. Select **System Administration**.
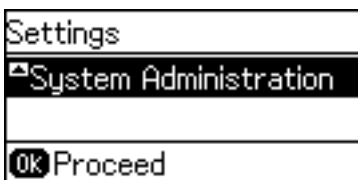
4. Select **Network Settings**.

5. Select **Advanced Setup**.

```
Network Settings
▣Advanced Setup

☒Proceed
```

6. Select **TCP/IP Address**.

```
Advanced Setup
▣TCP/IP Address
Auto
☒Proceed
```

7. Select **Manual**.

```
Advanced Setup
 TCP/IP Address
 ▣Manual
☒Proceed
```

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 8 to 9 are also set automatically, so go to step 10.

8. Enter the IP address.

Press the ▲ or ▼ button to enter.

```
Advanced Setup
IP Address
    192.000.002.11▮
☒Done
```
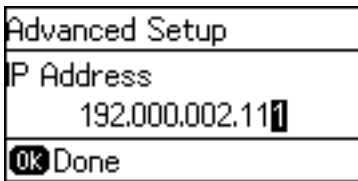
9. Set up the **Subnet Mask** and **Default Gateway**.

> **❗ Important:**
>
> *If the combination of the IP Address, Subnet Mask and Default Gateway is incorrect, an error message is displayed and you cannot proceed with the settings. Confirm that there is no error in the entry.*

10. Press the OK button to finish.

Press the ↩ button several times as necessary to return to the home screen. The home screen is automatically displayed after a specific length of time if you do not press the ↩ button.

Setting the DNS Server

Set up the DNS server. Assign the address for the DNS server when **Manual** is selected for **TCP/IP Address**.

1. Select **Settings** on the home screen on the printer's control panel.

    Note:
    If the screen is turned off, press any button on the control panel.

    ```
    🏠                    ⊞  ▦
    Ready.
     ▾Settings
    Ok Select
    ```

2. Select **System Administration**.

    ```
    Settings
    ▴System Administration

    Ok Proceed
    ```

3. Select **Network Settings**.

    ```
    System Administration
    ⊟Network Settings

    Ok Proceed
    ```

4. Select **Advanced Setup**.

    ```
    Network Settings
    ▴Advanced Setup

    Ok Proceed
    ```

5. Select **DNS Server**.

    ```
    Advanced Setup
    ⊟DNS Server
    Auto
    Ok Proceed
    ```

6. Select the way of obtaining the DNS server address.

    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.

7. If you select **Manual**, enter the IP address for the primary DNS server.

    Press the ▲ or ▼ button to enter. Press the ◀ or ▶ button to move the cursor.

    ```
    Advanced Setup
    Primary DNS Server
           192.000.002.255
    ◀▶Move cursor
    ```
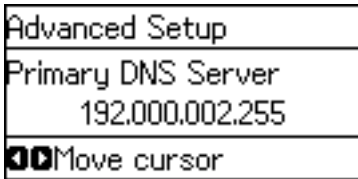
8. Enter the IP address for the secondary DNS server.

    Press the ▲ or ▼ button to enter. Press the ◀ or ▶ button to move the cursor.
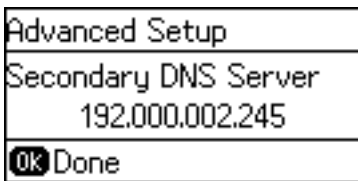
    ```
    Advanced Setup
    Secondary DNS Server
           192.000.002.245
    Ok Done
    ```

9. Press the OK button to finish.

    Press the ↩ button several times as necessary to return to the home screen. The home screen is automatically displayed after a specific length of time if you do not press the ↩ button.

Setting the Proxy Server

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

1. Select **Settings** on the home screen on the printer's control panel.

    Note:
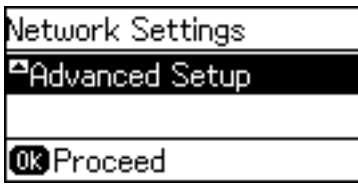   *If the screen is turned off, press any button on the control panel.*

    ```
    🏠              ⛁ ▥
    Ready.
     ▾Settings
    Ok Select
    ```

2. Select **System Administration**.

    ```
    Settings
    ▴System Administration

    Ok Proceed
    ```
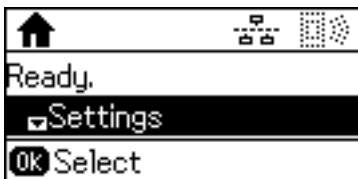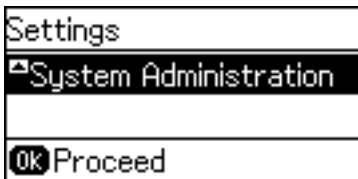
Connection

3. Select **Network Settings**.

```
System Administration
⊟Network Settings

⟦Ok⟧Proceed
```

4. Select **Advanced Setup**.

```
Network Settings
▫Advanced Setup

⟦Ok⟧Proceed
```

5. Select **Proxy Server**.

```
Advanced Setup
⊟Proxy Server
Do Not Use
⟦Ok⟧Proceed
```

6. Select **Use**.

```
Advanced Setup
 Proxy Server
▫Use
⟦Ok⟧Proceed
```
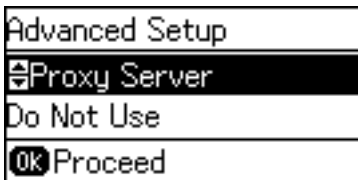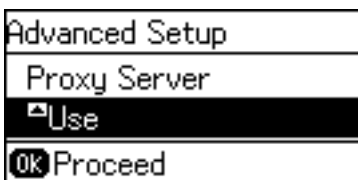
7. Enter the address for the proxy server by IPv4 or FQDN format.

   Press the ⟳ button to switch the character types. Press the ▲ or ▼ button to enter. Press the ◀ or ▶ button to move the cursor.

```
Advanced Setup      ⟦a⟧
Server Address
EpsonServer.Epson▮
▾▴Enter char.
```

8. Enter the port number for the proxy server.

9. Press the OK button to finish.

   Press the ↰ button several times as necessary to return to the home screen. The home screen is automatically displayed after a specific length of time if you do not press the ↰ button.
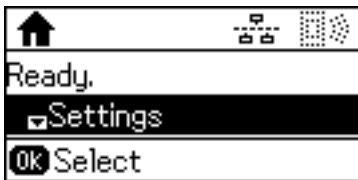
Checking the Settings for the IP Address

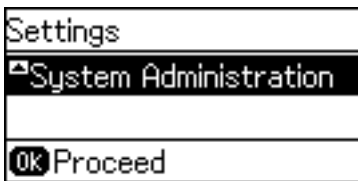Check the settings for the IP address.

1. Select **Settings** on the home screen on the printer's control panel.

    Note:
    If the screen is turned off, press any button on the control panel.

    ```
    🏠              ⛩ ▦
    Ready.
     ▿Settings
    Ok Select
    ```

2. Select **Network Status**.

    ```
    Settings
    ⬍Network Status

    Ok Proceed
    ```
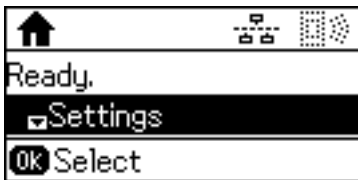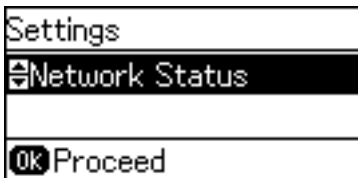
3. Select **Wired LAN/Wi-Fi Status**.

    ```
    Network Status
    ▿Wired LAN/Wi-Fi Status

    Ok Proceed
    ```

4. Confirm each setting by pressing the ▼ button.

5. When you have finished confirming, press the ↩ button several times to return to the home screen.

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. Select **Settings** on the home screen on the printer's control panel.

    Note:
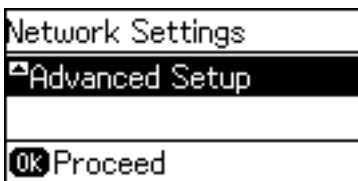   *If the screen is turned off, press any button on the control panel.*

    ```
    🏠              ⛩ ▦
    Ready.
     ▿Settings
    Ok Select
    ```
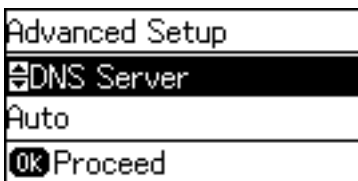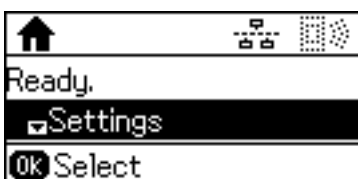
Connection

3. Select **System Administration**.
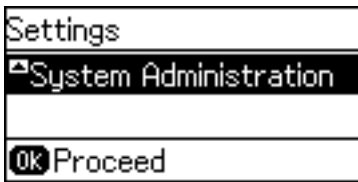
4. Select **Network Settings**.

5. Selet **Connection Check**.

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

6. Select **Finish**.

    When you select **Print connection report**, you can print the diagnosis result.

7. Press the ↩ button several times to return to the home screen.

Related Information

➡ "Changing from Ethernet Connection to Wi-Fi Connection" on page 80

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.
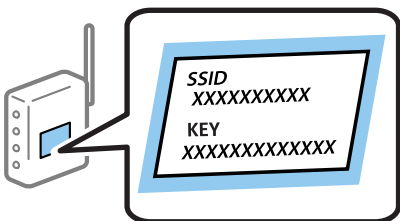
Connection

1. Select **Wi-Fi** on the home screen on the printer's control panel.

```
🏠                  ⊹⊹  ▦
Ready.
 ▪Wi-Fi
Ok Select
```
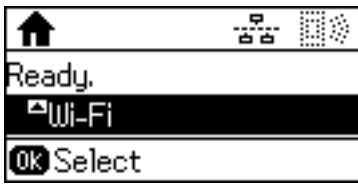
2. Select **Wi-Fi Setup Wizard**.

```
Wi-Fi Setup
 ▪Wi-Fi Setup Wizard

Ok Proceed
```

3. Select the SSID for the access point from printer's control panel.

```
Wi-Fi Setup Wizard
Select SSID
 ▪SSID01
Ok Proceed
```

Note:

❏ *If the SSID you want to connect to is not displayed on the printer's control panel, press the ↻ button to update the list. Still not displayed, select **Other Networks**, 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.*

4. Enter the password.

Press the ↻ button to switch the character types. Press the ▲ or ▼ button to enter. Press the ◀ or ▶ button to move the cursor.

```
SSID01              ⎡A⎤
Enter Password
XXXXXXXX
Ok Done
```
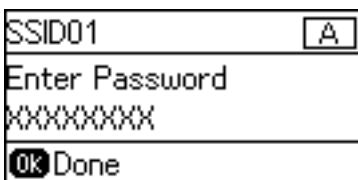
Note:
❏ *The password is case-sensitive.*

❏ *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 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.*

5. Confirm the settings by pressing the ▼ button, and then press the OK button.

> Confirm Settings
> ▫Communication Mode
> Infrastructure
> **Ok**Proceed
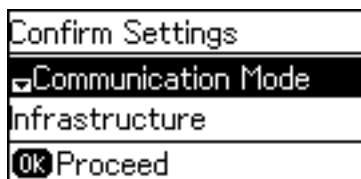
6. Press the OK button to finish.

    When you select **Print connection report**, you can print the diagnosis result.

> Information
> Setup complete.
>   ▫Finish
> **Ok**Proceed
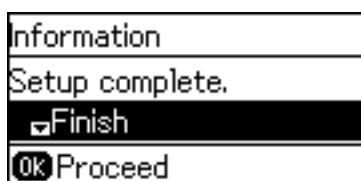
Related Information

➡ "Making Wi-Fi Settings from the Control Panel (WPS)" on page 78
➡ "Changing from Wi-Fi Connection to Ethernet Connection" on page 81

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.

Select the connection type and then click **Next**.
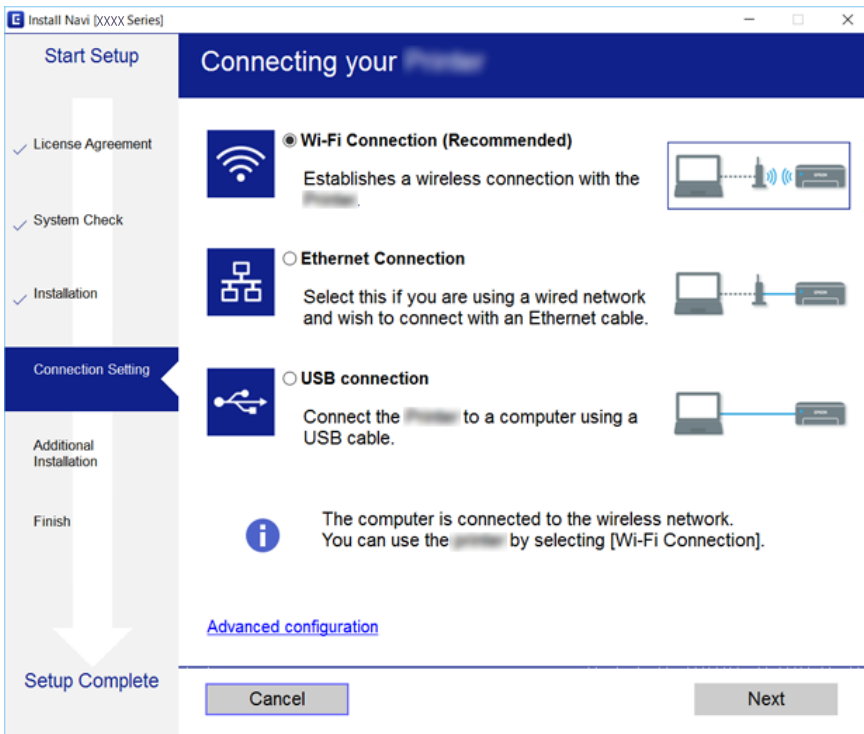
Using Wi-Fi Direct (Simple AP) Connection

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

➡ "Accessing Web Config" on page 27

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 [ ])

Examples

❏ IPv4:

 https://192.0.2.111/

 http://192.0.2.111/

❏ IPv6:

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

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

Note:
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

➡ "SSL/TLS Communication with the Printer" on page 45
➡ "About Digital Certification" on page 45

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.

Function Settings

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**.

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.
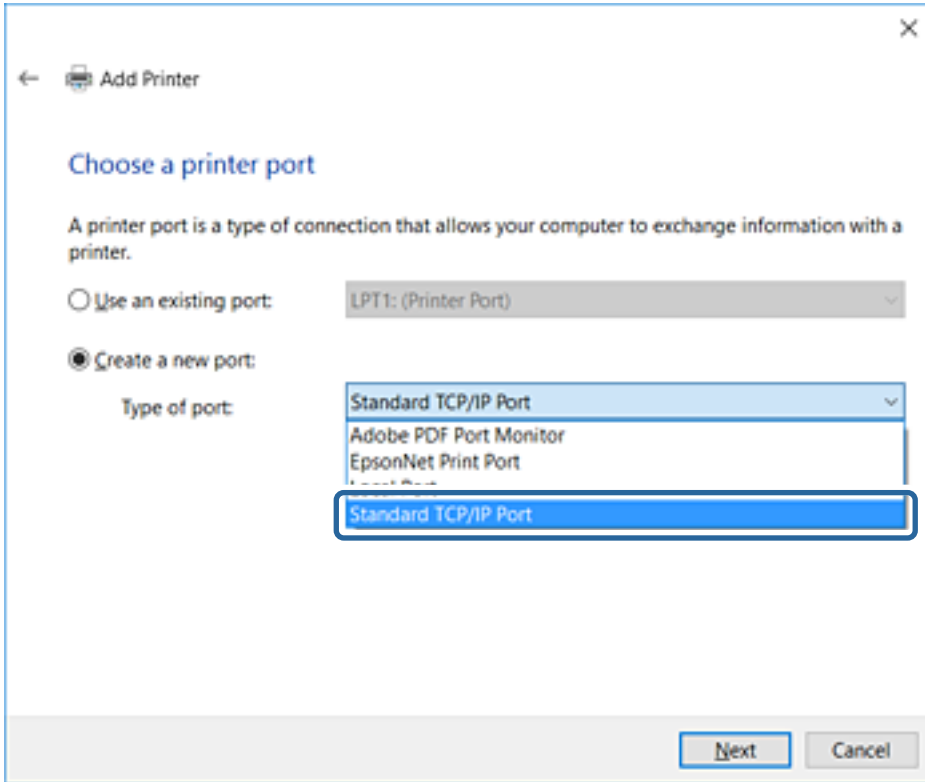
5. Enter the printer's IP address or printer name in **Host Name or IP Address** or **Printer Name or IP Address**, and then click **Next**.

   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

➡ "Sharing the Printer (Windows only)" on page 31

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

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

➡
➡

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

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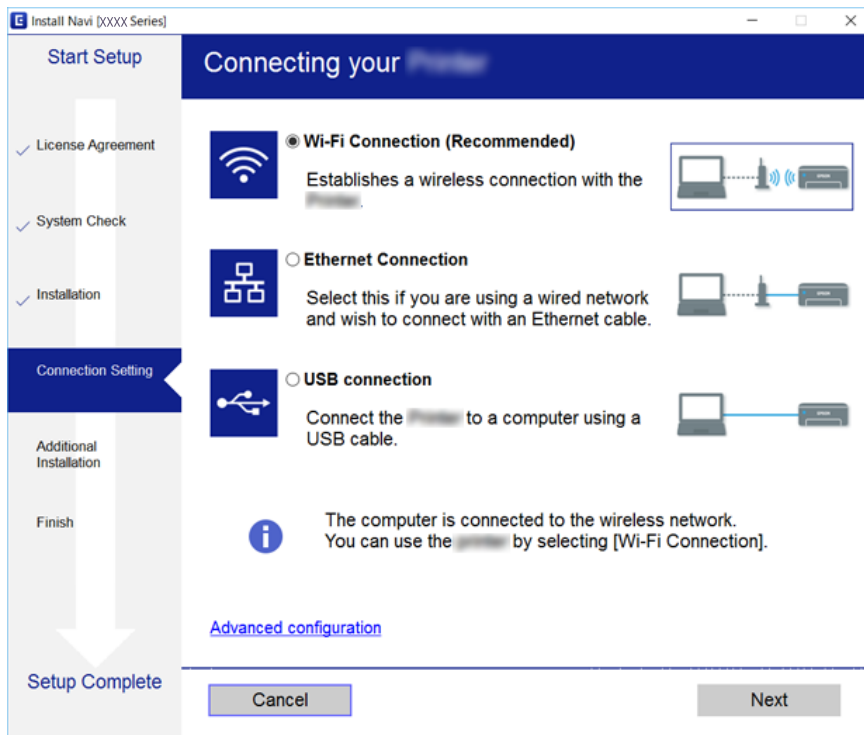
Note:
*If **Select Software Installation** is displayed, select **Change or re-set the connection method** and then click **Next**.*

3. Follow the on-screen instructions.

Related Information

➡ "EpsonNet SetupManager" on page 74

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.

3. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 27

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**.

4. Click **OK**.

Related Information

➡ "Accessing Web Config" on page 27

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

➡

Print Settings

Paper Source Settings

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

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.

Function Settings

Email Print	Epson iPrint remote print	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 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, and network settings. Also, reduce a wide range of security risks such as leakage of information for the network environment or security policy.
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 NFC and USB connection with the computer.	❏ NFC: Prevents illegal printing using NFC. ❏ USB connection of computer: Prevents unauthorized use of the device by prohibiting printing without going through the network.
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.	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 unncessary functions.
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.

Related Information

➡ "About Web Config" on page 26

➡ "EpsonNet Config" on page 73

➡ "Epson Device Admin" on page 73

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

Configuring the Administrator Password from the Control Panel

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

1. Select **Settings** on the printer's control panel.
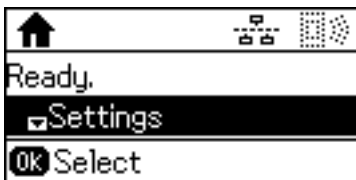
2. Select **Admin Settings**.

3. Select **Admin Password**.

Product Security Settings

4. Select **Register**.

```
Admin Settings
Admin Password
   Register
Ok Proceed
```

Note:
*If the administrator password has already been configured, **Change** is displayed instead of **Register**.*

5. Enter the new password.

```
Admin Password      A
Enter New Password
*******
⬇⬆Enter char.
```

Press the ⟳ button to switch the character types. Press the ▲ or ▼ button to enter. Press the ◀ or ▶ button to move the cursor.

6. Enter the password again.

7. Press the OK button to finish.

8. Select **Lock Setting**.

```
Admin Settings
▲Lock Setting
 ▶Off
```

9. Select **On**.

```
Admin Settings
Lock Setting
 ▲On
Ok Proceed
```
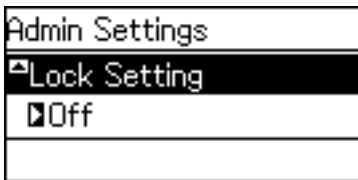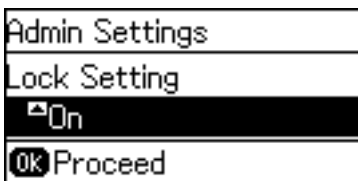
10. Press the OK button to finish.

    The administrator password will be required when you operate the locked menu item.

11. Press the ↩ button several times to return to the home screen.

Note:

❏ *You can change or delete the administrator password when you select* **Settings** > **Admin Settings** > **Admin Password** > **Change** *or* **Reset**.

❏ *On Web Config, if you set* **ON** *for* **System Settings** > **Control Panel** > **Sleep Timer**, *the printer will log you off and return to the home screen after a period of inactivity on the control panel.*

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* **Product Security** *tab >* **Delete Administrator Password**, *and then enter the administrator password.*

Related Information

➡ "Accessing Web Config" on page 27

Items to be Locked by Administrator Password

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

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, and pages of printing for 2-sided and 1-sided.
Printer setting	Operation settings for error occurrence, etc.
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 Wi-Fi Direct services.
Security setting	Settings for network security, such as SSL/TLS communication.
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, other settings related to a timer.
Transmission of printer information setting	Setting transmission information of the printing count.
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.

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 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

➡

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 (AirPrint), and so on.
SLP Settings	You can enable or disable the SLP function. SLP is used for 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 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 (including AirPrint).

Product Security Settings

Protocol Setting Items
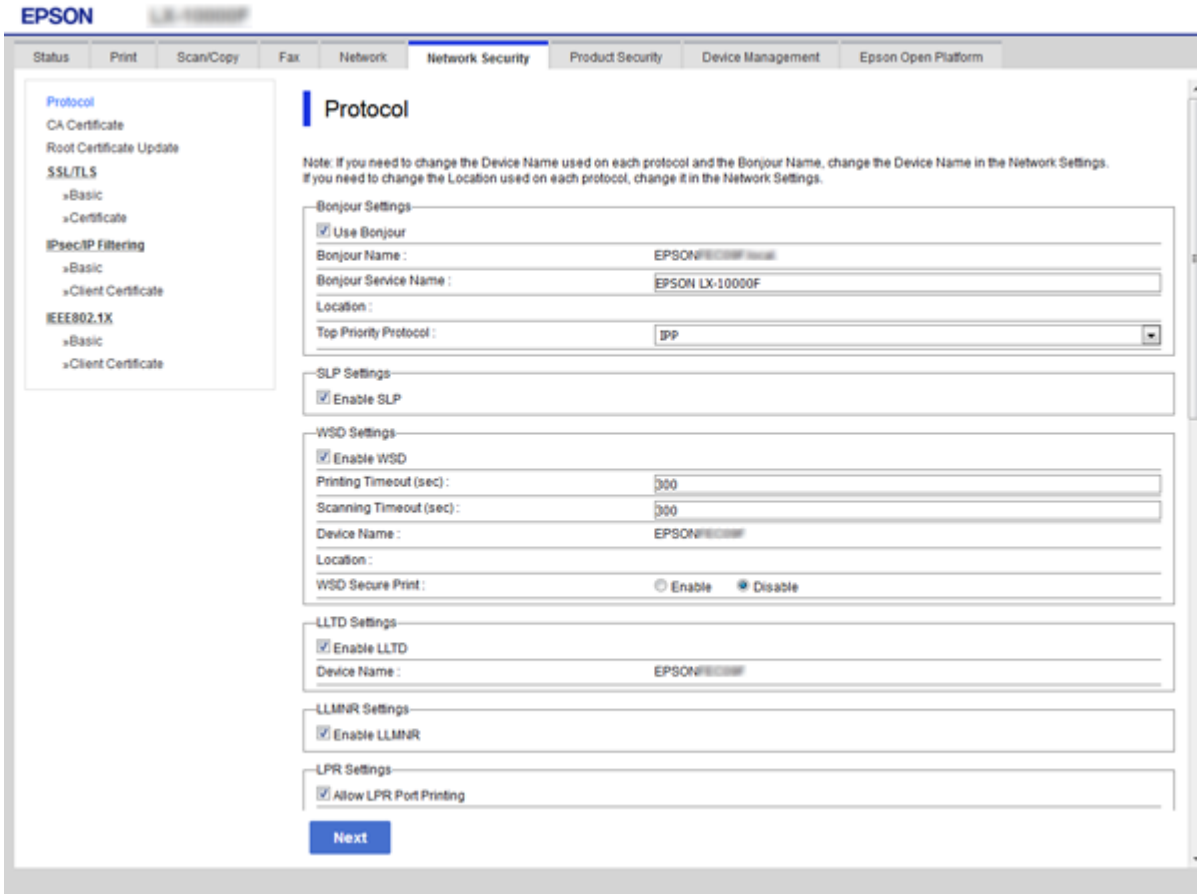
Items	Setting value and Description
Bonjour Settings	
Use Bonjour	Select this to search for or use devices through Bonjour. You cannot use AirPrint if this is cleared.
Bonjour Name	Displays the Bonjour name.
Bonjour Service Name	Displays the Bonjour service name.
Location	Displays the Bonjour location name.
Top Priority Protocol	Select the top priority protocol for Bonjour print.
SLP Settings	
Enable SLP	Select this to enable the SLP function. This is used with network searching in EpsonNet Config.
WSD Settings	
Enable WSD	Select this to enable adding devices using WSD, and print from the WSD port.
Printing Timeout (sec)	Enter the communication timeout value for WSD printing between 3 to 3,600 seconds.

Product Security Settings

Items	Setting value and Description
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. You cannot use AirPrint if this is disabled.
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.
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.

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.

❏ 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

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 > **SSL/TLS** > **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 > **SSL/TLS** > **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.

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
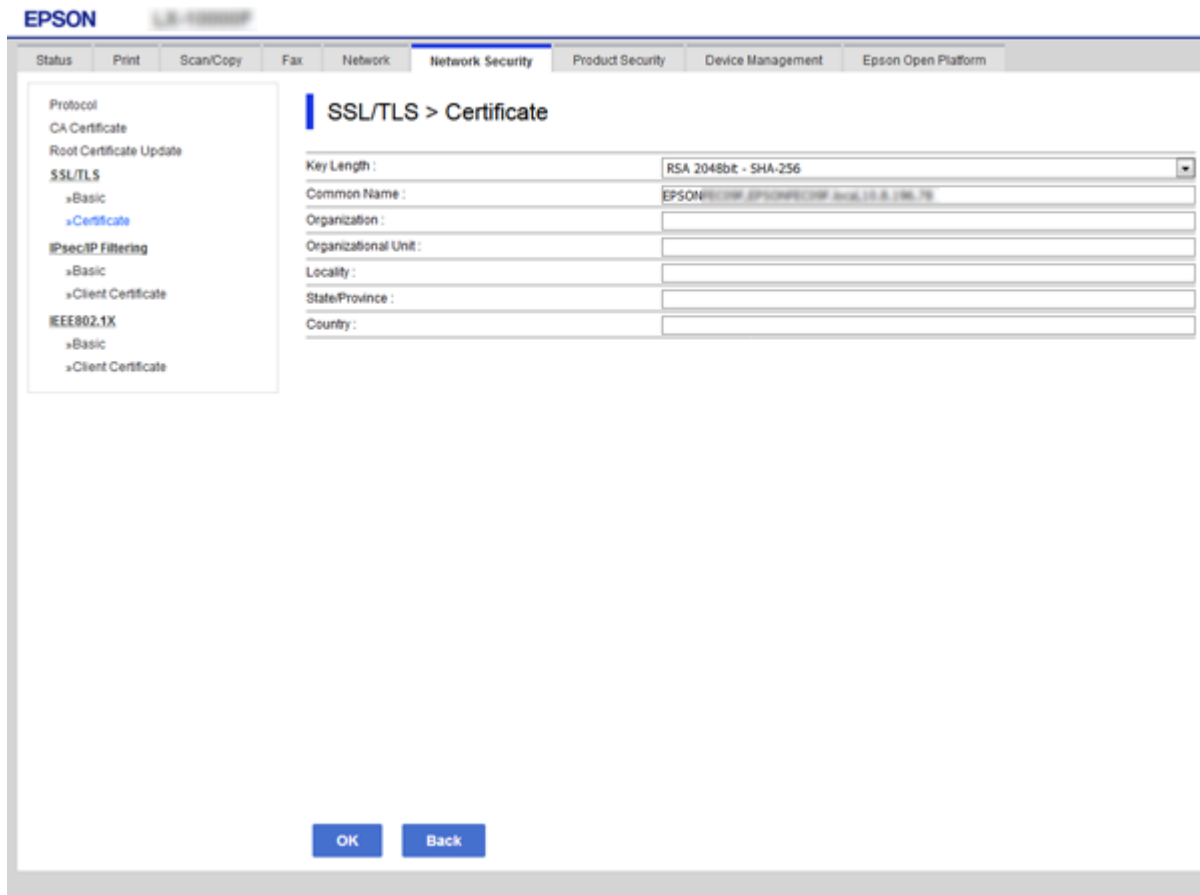
Items	Settings and Explanation
Key Length	Select a key length for a CSR.

Product Security Settings

Items	Settings and Explanation
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 > **SSL/TLS** > **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.

Product Security Settings

4.   Click **OK**.

A completion message is displayed.

Note:
*Click **Confirm** to verify the certificate information.*

Related Information

➡ "Accessing Web Config" on page 27
➡ "CA-signed Certificate Importing Setting Items" on page 48

CA-signed Certificate Importing Setting Items
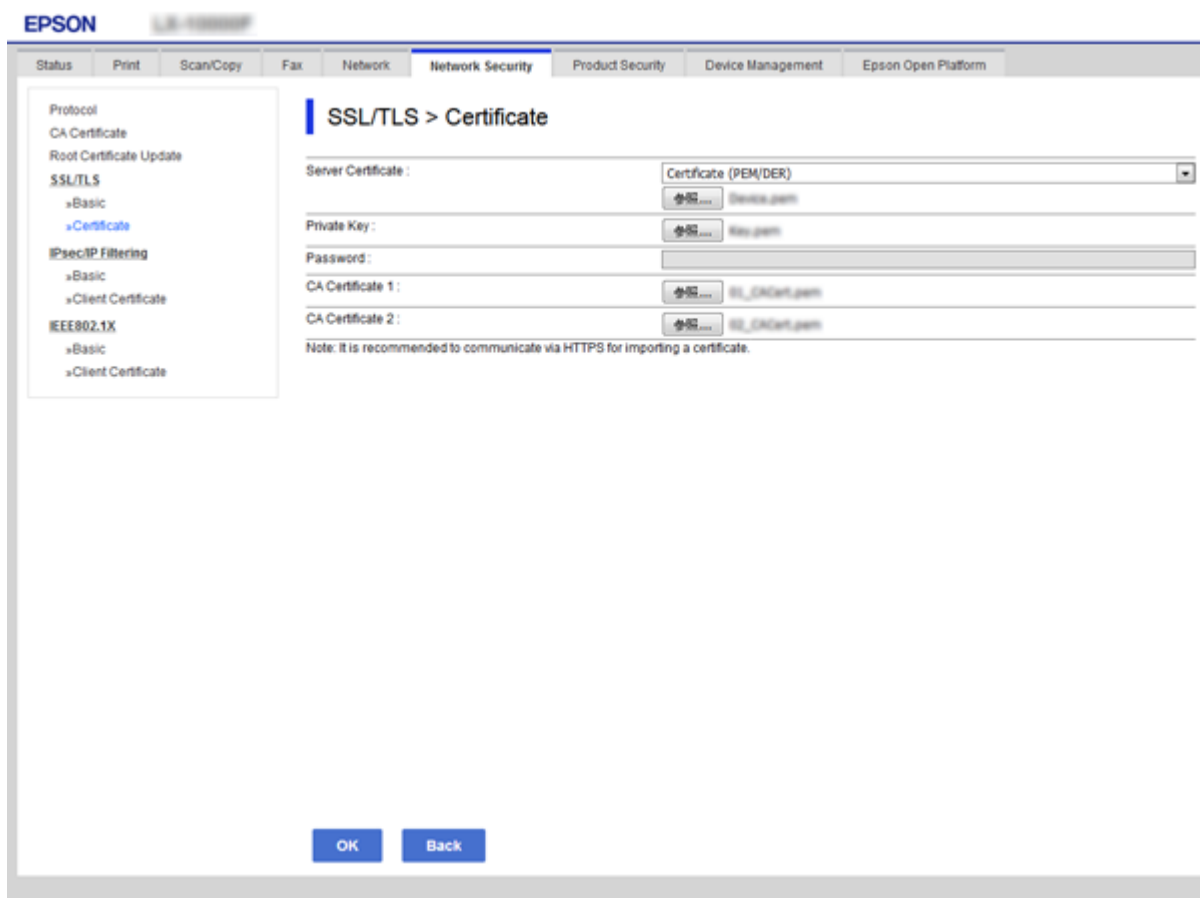
Items	Settings and Explanation
Server Certificate or Client Certificate	Select a certificate's format.
Private Key	If you obtain a certificate of the PEM/DER format by using a CSR created from a computer, specify a private key file that is match a certificate.
Password	Enter a password to encrypt a private 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.

Items	Settings and Explanation
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

➡ "Importing a CA-signed Certificate" on page 47

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.

> **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 > **SSL/TLS** > **Certificate**.

2. Click **Delete**.

3. Confirm that you want to delete the certificate in the message displayed.

Related Information

➡ "Accessing Web Config" on page 27

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 27

Operation and Management Settings

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

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, etc.

❏ Hardware Status

Check the status of each function such as Wi-Fi, etc.

❏ 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

➡ "Accessing Web Config" on page 27

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.

❏ 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

➡

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.

> **⚠ Important:**
>
> *Do not turn off or unplug the printer until the update is complete; otherwise, the printer may malfunction.*

1. Select **Settings** on the home screen on the printer's control panel.
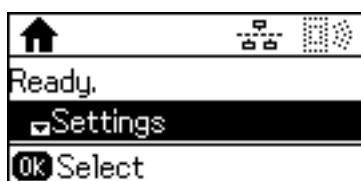
2. Select **System Administration**.

Operation and Management Settings

3. Select **Firmware Update**.

```
System Administration
▣Firmware Update

[Ok]Proceed
```

4. Select **Update**.

```
Firmware Update
▾Update

[Ok]Proceed
```
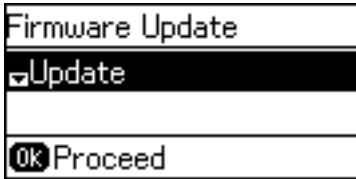
Note:
*Select **Firmware Update** > **Notification** > **On** to set the printer to regularly check for available firmware updates.*

5. Press the OK button.

```
Update
Proceed to check for a n
The printer needs to be c
[Ok]Proceed
```
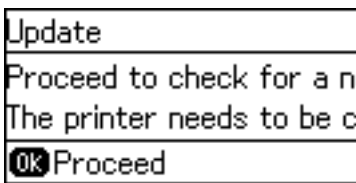
The printer starts searching for available updates.

6. 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:*
> ❏ *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 27
➡ "Epson Device Admin" on page 73

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 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 27

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**.

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 Log for Server and Network Device

In case of trouble with network connection, it may be possible to identify the cause by checking the status using the network log of system equipment logs and commands, such as routers.

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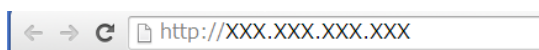
3. Select the **Network** tab > **Wi-Fi**, and then select **Disable Wi-Fi**.

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.

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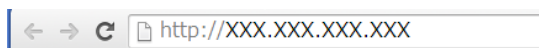
3. Select the **Network** tab > **Wi-Fi Direct**.

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. Select **Settings** on the home screen.

2. Select **System Administration** > **Network Settings** > **Wi-Fi Setup**.

3. Select **Disable Wi-Fi**.

4. Check the message, and then press the▲ button.

5. Press the OK button.

    The screen automatically closes after a specific length of time if you do not press the OK button.

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. Select **Settings** on the home screen.

2. Select **System Administration** > **Network Settings** > **Wi-Fi Setup** > **Wi-Fi Direct Setup**.

3. Select **Disable Wi-Fi Direct**.

4. Check the message, and then press the ▲ button.

5. Press the OK button.

    The screen automatically closes after a specific length of time if you do not press the OK button.

Restoring the Network Settings from the Control Panel

You can restore all network settings to their defaults.

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

2. Select **System Administration** > **Restore Default Settings** > **Network Settings**.

3. Check the message, and then press the ▲ button.

4. Press the OK button.

   The screen automatically closes after a specific length of time if you do not press the OK button.

Checking the Communication between Devices and Computers

Checking the Connection Using a Ping Command - Windows
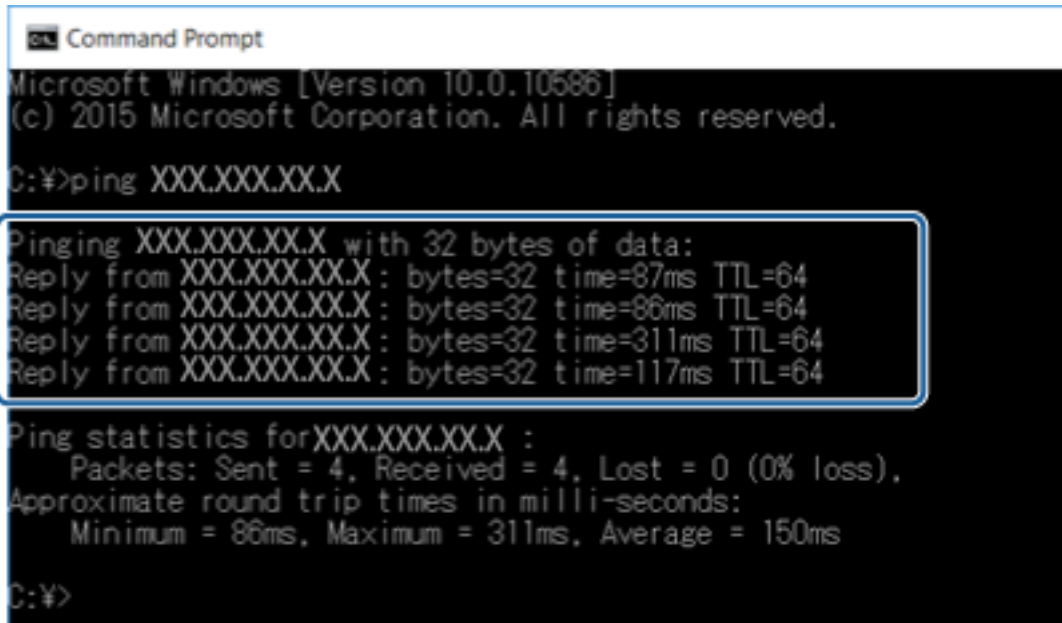
You can use a Ping command to make sure the computer is connected to the printer. Follow the steps below to check the connection using a Ping command.

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.

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.

Solving Problems

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**.
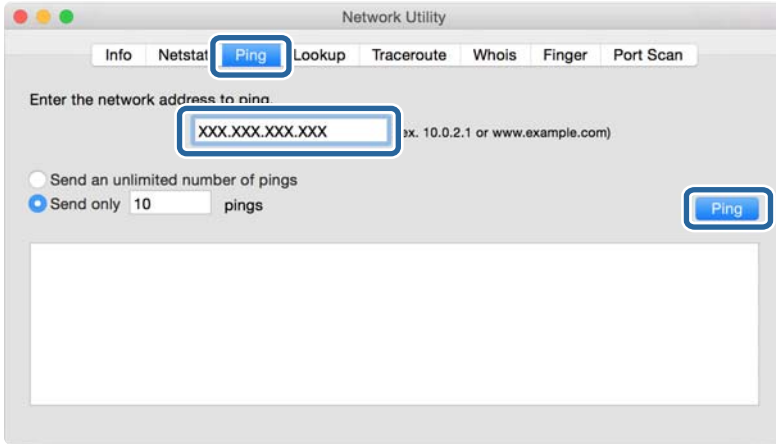
4. Check the communication status.

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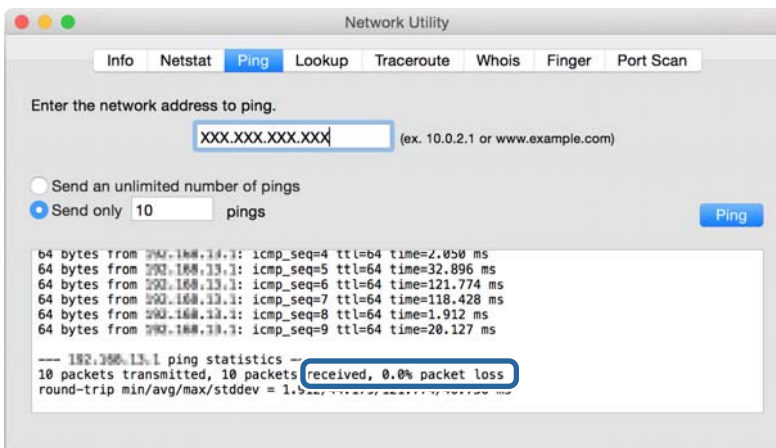
   If the printer and the computer are not communicating, the following message is displayed.
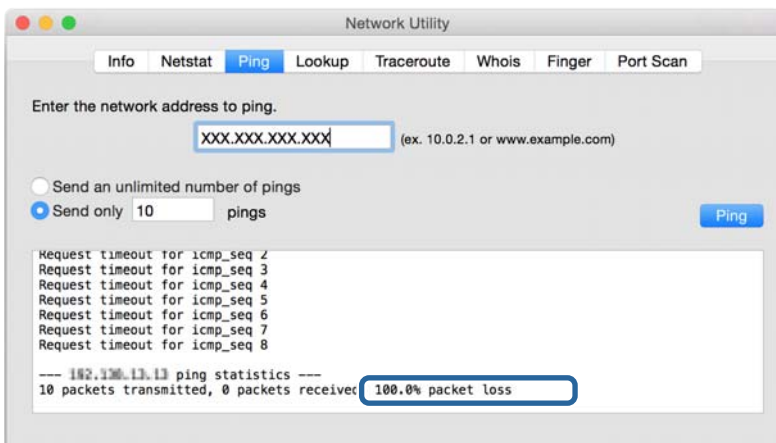
Printing a Network Connection Report

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

1. Load papers.

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

3. Select **System Administration** > **Network Settings** > **Connection Check**.

4. Select **Print connection report** to print the network connection report.

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

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.
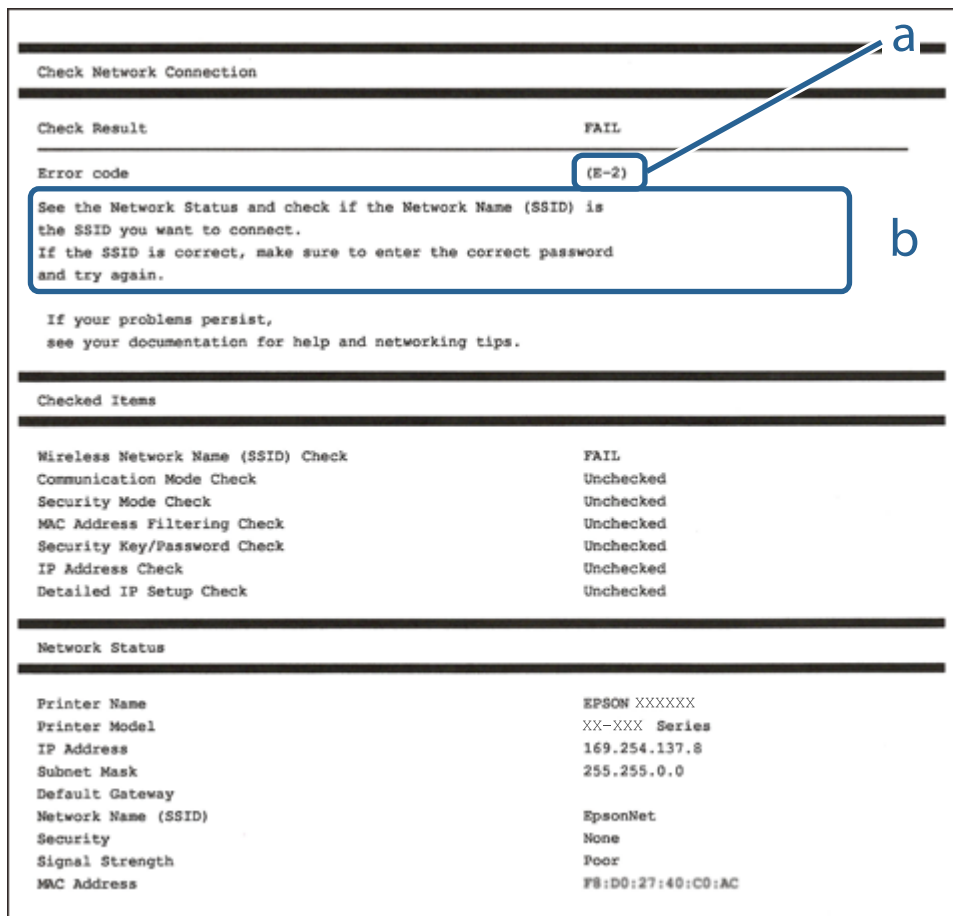
a. Error code

b. Messages on the Network Environment

E-1

Message:

Confirm that the network cable is connected and network devices such as hub, router, or access point are turned on.

Solutions:

❏ Make sure the Ethernet cable is securely connected to your printer and to your hub or other network device.

❏ Make sure your hub or other network device is turned on.

E-2, E-3, E-7

Message:

No wireless network names (SSID) found. Confirm that the router/access point is turned on and the wireless network (SSID) is set up correctly. Contact your network administrator for assistance.

No wireless network names (SSID) found. Confirm that the wireless network name (SSID) of the PC you wish to connect is set up correctly. Contact your network administrator for assistance.

Entered security key/password does not match the one set for your router/access point. Confirm security key/password. Contact your network administrator for assistance.

Solutions:

❏ Make sure your access point is turned on.

❏ Confirm that your computer or device is connected correctly to the access point.

❏ Turn off the access point. Wait for about 10 seconds, and then turn it on.

❏ Place the printer closer to your access point and 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.

❏ If you are using push button setup to establish a network connection, make sure your access point supports WPS. You cannot use push button setup if your access point does not support WPS.

❏ Makes sure your SSID uses only ASCII characters (alphanumeric characters and symbols). The printer cannot display an SSID that contains non-ASCII characters.

❏ Makes sure you know your 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 located on a label on the access point. If you do not know your SSID and password, contact the person who set up the access point, or see the documentation provided with the access point.

❏ If you are connecting to an SSID generated from a tethering smart device, check for the SSID and password in the documentation provided with the smart device.

❏ If your Wi-Fi connection suddenly disconnects, check for the conditions below. If any of these conditions are applicable, reset your network settings by downloading and running the software 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

Message:

Security mode (e.g. WEP, WPA) does not match the current setting of the printer. Confirm security mode. Contact your network administrator for assistance.

Solutions:

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

Message:

MAC address of your printer may be filtered. Check whether your router/access point has restrictions such as MAC address filtering. See the documentation of the router/access point or contact your network administrator for assistance.

Solutions:

❏ Check if 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 your access point is using shared authentication with WEP security, make sure the authentication key and index are correct.

E-8

Message:

Incorrect IP address is assigned to the printer. Confirm IP address setup of the network device (hub, router, or access point). Contact your network administrator for assistance.

Solutions:

❏ Enable DHCP on the access point if the printer's Obtain IP Address setting is set to **Auto**.

❏ If the printer's Obtain IP Address setting is set to Manual, the IP address you manually set is invalid due to out of range (for example: 0.0.0.0). Set a valid IP address from the printer's control panel or by using Web Config.

E-9

Message:

Confirm the connection and network setup of the PC or other device. Connection using the EpsonNet Setup is available. Contact your network administrator for assistance.

Solutions:

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 still does not connect your printer and network devices after confirming the above, turn off the access point. Wait for about 10 seconds, and then turn it on. Then reset your network settings by downloading and running the installer from the following website.

http://epson.sn > **Setup**

E-10

Message:

Confirm IP address, subnet mask, and default gateway setup. Connection using the EpsonNet Setup is available. Contact your network administrator for assistance.

Solutions:

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 they are incorrect. You can check the IP address, subnet mask, and default gateway from the **Network Status** part on the network connection report.

If DHCP is enabled, change the printer's Obtain IP Address setting 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].

If still does not connect your printer and network devices, turn off the access point. Wait for about 10 seconds, and then turn it on.

E-11

Message:

Setup is incomplete. Confirm default gateway setup. Connection using the EpsonNet Setup is available. Contact your network administrator for assistance.

Solutions:

Check the following.

❏ The default gateway address is correct if you set the printer's TCP/IP Setup setting 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

Message:

Confirm the following -Entered security key/password is correct -Index of the security key/password is set to the first number -IP address, subnet mask, or default gateway setup is correct Contact your network administrator for assistance.

Solutions:

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 still does not connect your printer and network devices after confirming the above, try the following.

❏ Turn off the access point. Wait for about 10 seconds, and then turn it on.

❏ Make network settings again 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 WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

E-13

Message:

Confirm the following -Entered security key/password is correct -Index of the security key/password is set to the first number -Connection and network setup of the PC or other device is correct Contact your network administrator for assistance.

Solutions:

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.)

Solving Problems

If it still does not work after checking the above, try the following.

❏ Turn off the access point. Wait for about 10 seconds, and then turn it on.

❏ 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.

Message 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 off the access point. Wait for about 10 seconds, and then turn it 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. Select **Settings** on the home screen.

3. Select **System Administration** > **Network Settings** > **Network Status** > **Print Status Sheet**.

4. Press the ▲ button.

    The network status sheet is printed.

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

➡ "Accessing Web Config" on page 27

➡ "Assigning the IP Address" on page 16

➡ "Assigning an IP Address Using EpsonNet Config" on page 74

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

➡
➡

Problems Using Cloud Services

Cannot Use Cloud Services That Could Previously Be Used

Is the following message displayed on the printer's control panel?

To use cloud services, update the root certificate from the Epson Web Config utility.

If this message is displayed, access Web Config, select the **Network Security** tab > **Root Certificate Update**, and then click **Start** to update.

Related Information

➡

Problems Using Network Security Features

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.

Solving Problems

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:

❑ 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.

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.

Solving Problems

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.

Solving Problems

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

➡

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

➡
➡

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.
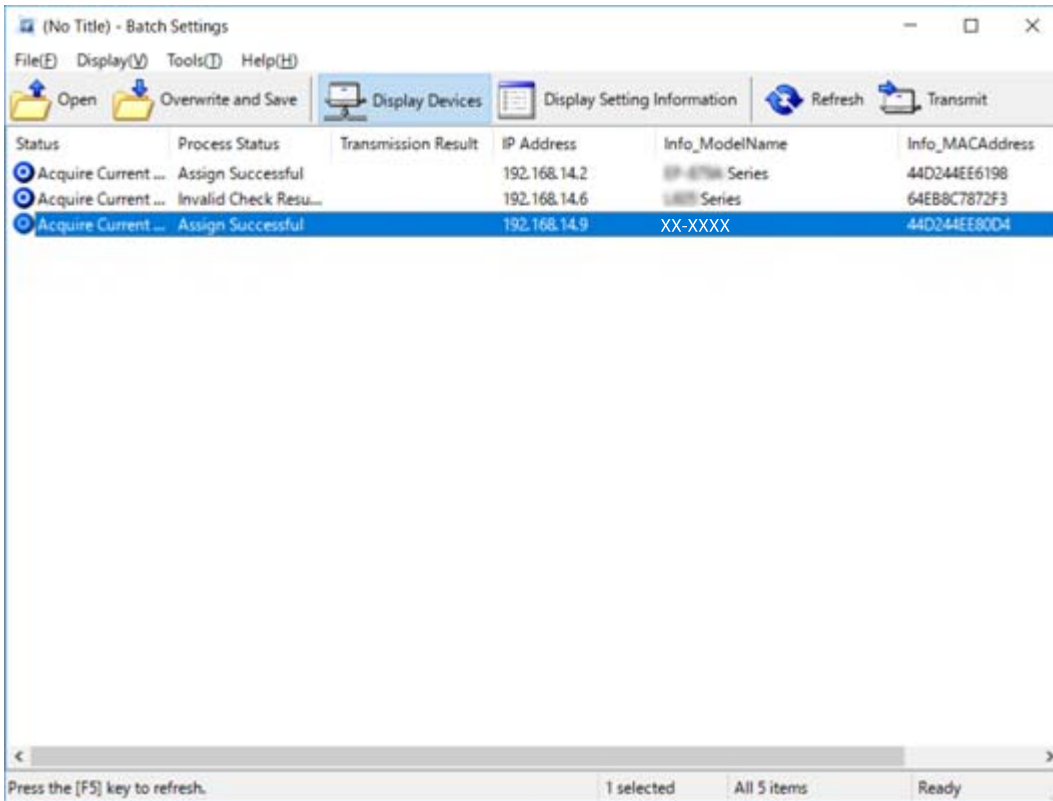
8. Click **Transmit**.

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**.

Appendix

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 74

➡ "Running EpsonNet Config - Mac OS" on page 74

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.

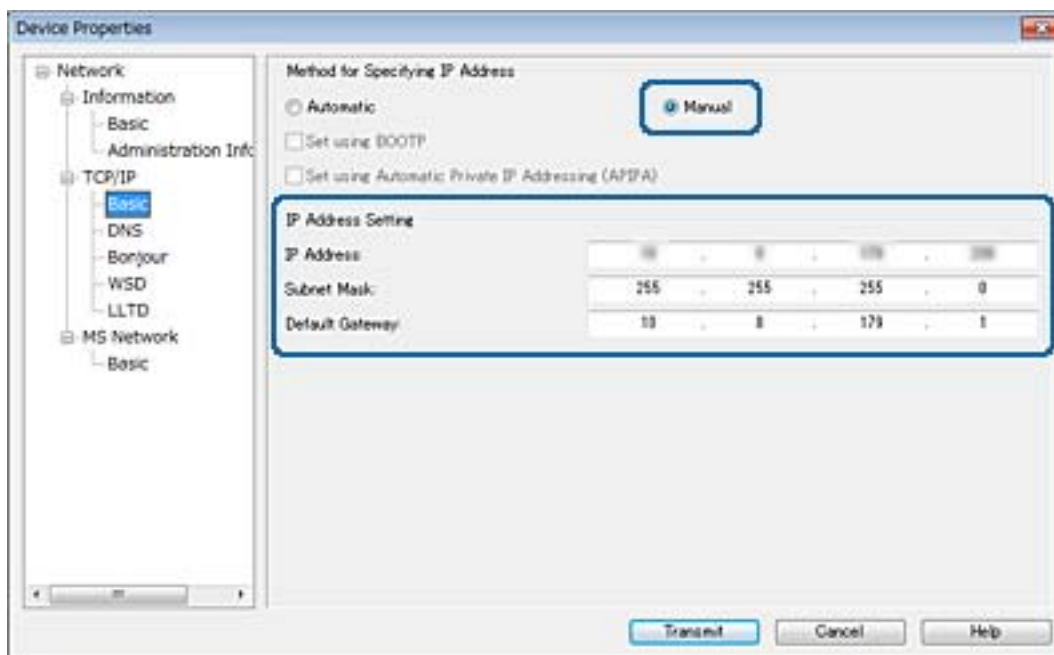4. Double-click the printer that you want to assign to.

   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 74

➡ "Running EpsonNet Config - Mac OS" on page 74

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" on page 79

➡ "Making Wi-Fi Settings by PIN Code Setup (WPS)" on page 79

Appendix

# Making Wi-Fi Settings by Push Button Setup

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.   Select **Wi-Fi** on the home screen.

2.   Select **Push Button Setup(WPS)**.

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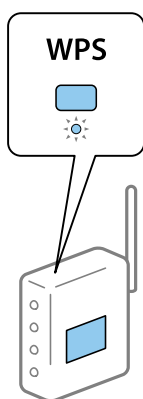
If you do not know where the [WPS] button is, or there are no buttons on the access point, see the documentation provided with your access point for details.

4.   Press the OK button on the printer's control panel.

5.   Press the OK button.

The screen automatically closes after a specific length of time if you do not press the OK button.

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

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

You can 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.   Select **Wi-Fi** on the home screen.

2.   Select **PIN Code Setup(WPS)**.

Appendix

3. 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.

4. Press the OK button.

   Setup is complete when the setup completion message is displayed.

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

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

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

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 27

➡ "EpsonNet Config" on page 73

➡ "Epson Device Admin" on page 73

Changing from Wi-Fi Connection to Ethernet Connection

Changing the Network Connection to Ethernet from the Control Panel

Change the network connection to Ethernet from Wi-Fi using the control panel. Go in the following order. For details on each operation, see the related information links below.

❏ Disable Wi-Fi.

❏ Assign the IP address.

❏ Connect to Ethernet.

Related Information

➡ "Disabling Wi-Fi from the Control Panel" on page 57

➡ "Assigning the IP Address" on page 16

➡ "Connecting to Ethernet" on page 21

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.

Appendix

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

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.

Sender (Client)	Use	Destination (Server)	Protocol	Port Number
Printer	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
	Control WSD	Client computer	WSD (TCP)	5357
Client computer	Discover the printer from an application such as EpsonNet Config and printer driver.	Printer	ENPC (UDP)	3289
	Collect and set up the MIB information from an application such as EpsonNet Config and printer driver.	Printer	SNMP (UDP)	161
	Forwarding LPR data	Printer	LPR (TCP)	515
	Forwarding RAW data	Printer	RAW (Port9100) (TCP)	9100
	Forwarding AirPrint (IPP/IPPS printing) data	Printer	IPP/IPPS (TCP)	631
	Searching WSD printer	Printer	WS-Discovery (UDP)	3702