EPSON

Web Config Reference Guide

TM-T88VII

M00145402

Rev.C

Cautions

- No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation.
- The contents of this document are subject to change without notice. Please contact us for the latest information.
- While every precaution has been taken in the preparation of this document, Seiko Epson Corporation assumes no responsibility for errors or omissions.
- Neither is any liability assumed for damages resulting from the use of the information contained herein.
- Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of:

  accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.
- Seiko Epson Corporation shall not be liable against any damages or problems arising from the use of any options or any consumable products other than those designated as Original Epson Products or Epson Approved Products by Seiko Epson Corporation.

Trademarks

Microsoft® and Windows® are either registered trademarks of Microsoft Corporation in the United States and other countries.

Wi-Fi®, WPA™, and WPA2™ are either registered trademarks or trademarks of Wi-Fi Alliance®.

All other trademarks are the property of their respective owners and used for identification purpose only.

©Seiko Epson Corporation 2022–2024

About this Manual

Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.

IMPORTANT	Indicates information with which you must comply when using the product. Mishandling due to ignoring this information may cause the product to fail or malfunction.
NOTE	Indicates supplementary explanations and information you should know.

Using Web Config

Web Config is a printer's built-in web page that allows you to check and change printer settings on your browser.
To use Web Config, you need to set your computer's IP address to the same segment as the printer.

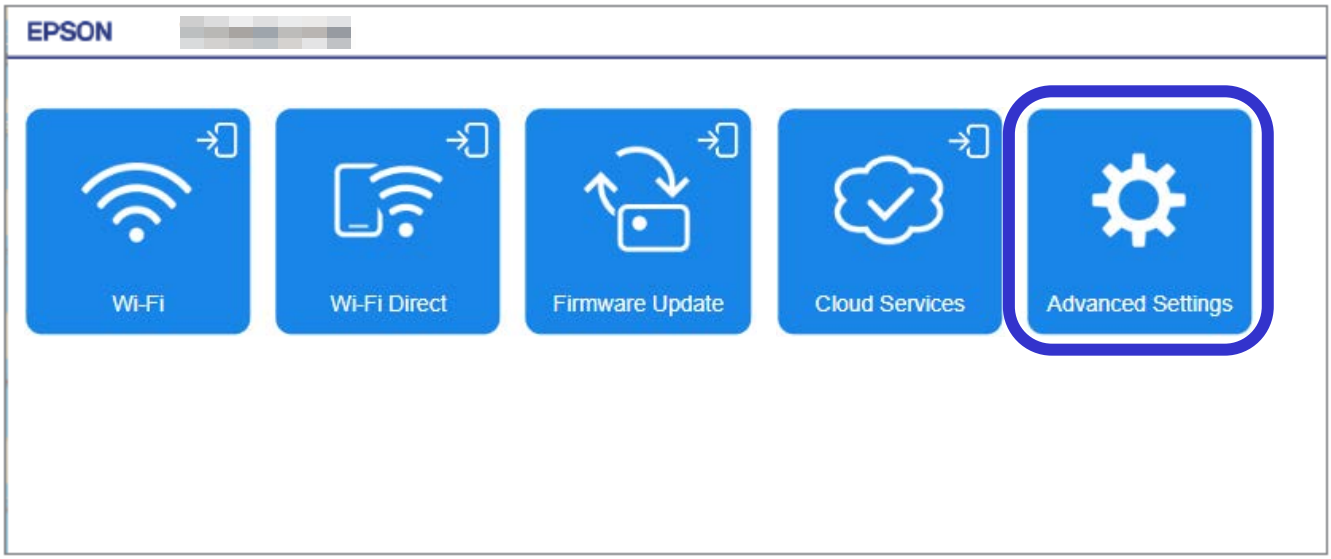
How to Start Web Config

1. Start your web browser on a computer or smart device on the network and enter the IP address of the printer in the address field.

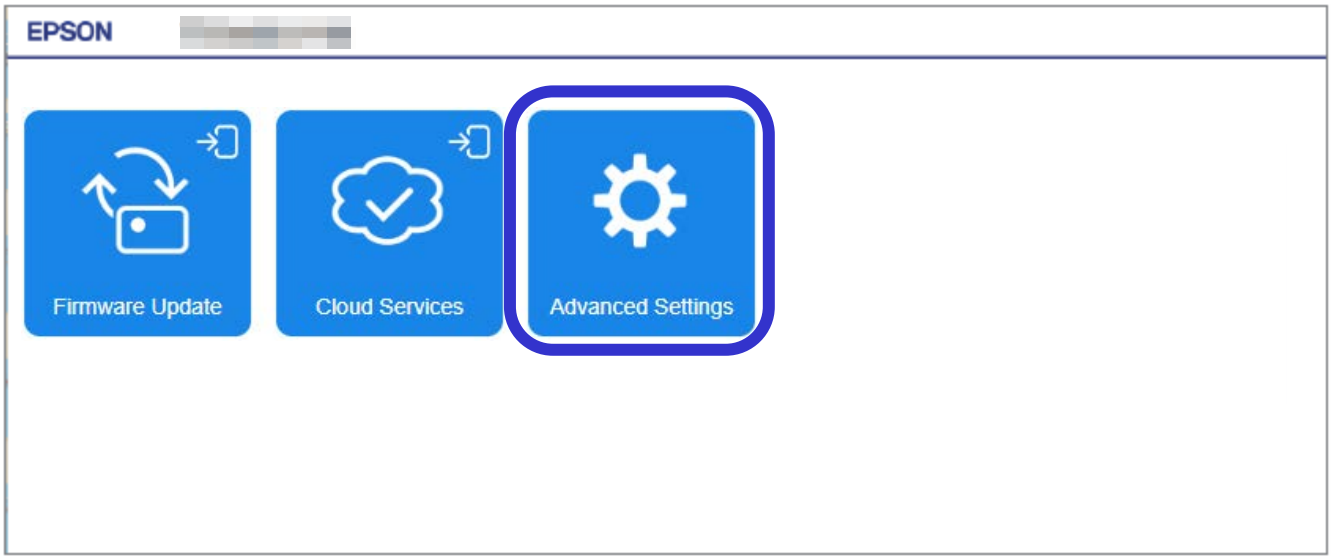
Access	Example
http	IPv4: http://192.0.2.111/ IPv6: http://[2001:db8::1000:1]/
https	IPv4: https://192.0.2.111/ IPv6: https://[2001:db8::1000:1]/

2. If the following window appears, select "Advanced Settings." If it doesn't, proceed to step 3.

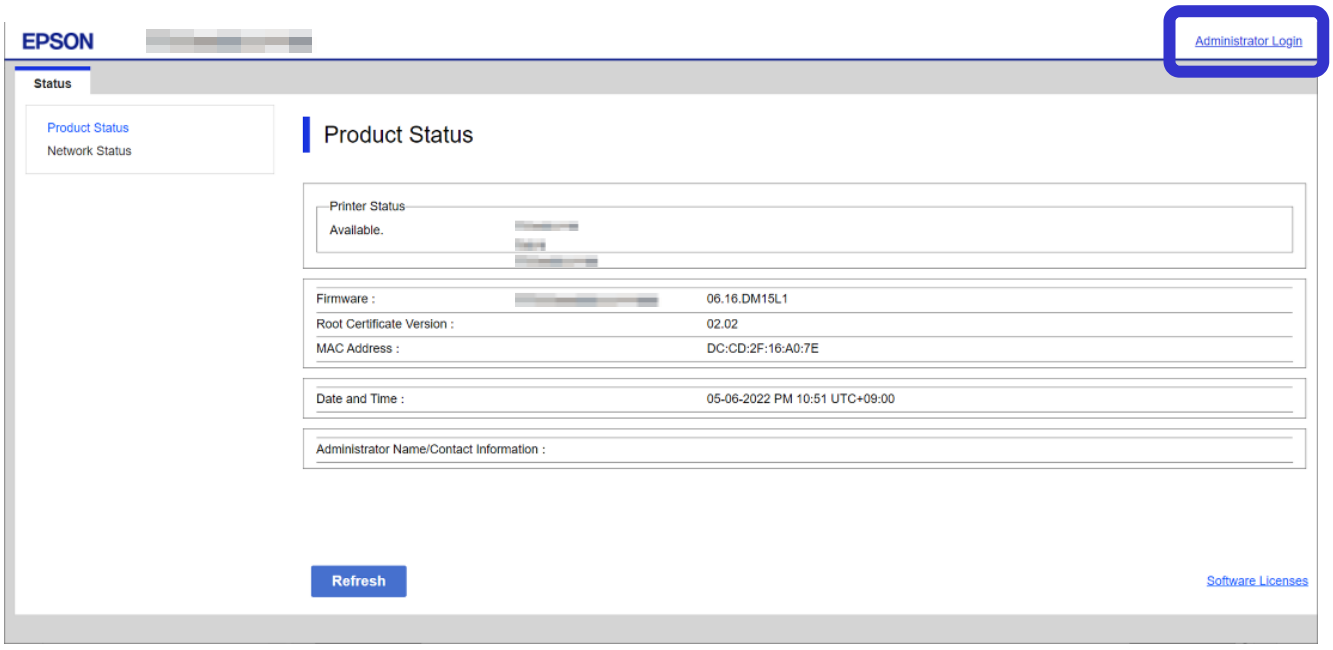
   Wireless LAN unit is connected.



   Wireless LAN unit is not connected.



3. Select [Administrator Login].



4. When the authentication screen appears, enter your password and log in.
The default password is the serial number of the printer. You can find the serial number by running the self-test or on the nameplate attached to the printer.

NOTE	Enable JavaScript in your browser. Because a self-signed certificate owned by the printer is used when accessing HTTPS, a warning will appear in the browser when Web Config is started.

Printers

This document covers Web Config for the following printers.

- TM-T88VII

TABLE OF CONTENTS

Cautions 2

Trademarks 2

About this Manual 2
Key to Symbols 2

Using Web Config 3
How to Start Web Config 3

Printers 4

TABLE OF CONTENTS 5

1. Introduction 8
1.1 Definitions 8
1.2 Terminologies 8

2. Supported platforms and web browsers 9

3. Layout 9
3.1 Basic Settings Page 9
3.1.1 Configuration for Smartphones 9
3.1.2 Configuration for PC 10
3.2 Advanced Settings Page 11

4. Language 12
4.1 Supported languages 12

5. Top page 12
5.1 URL 12
5.2 JavaScript 12

6. Administrator Password Settings 13
6.1 Top page 13
6.1.1 Image 13
6.1.2 Setting Items 13
6.1.3 Button 13

7. User authentication 14
7.1 Authentication method 14
7.2 Pages always can be accessed 14
7.3 Log on page 15
7.3.1 Image 15
7.3.2 Input Items 15
7.3.3 Button 15
7.4 Log on failure page 16
7.4.1 Image 16
7.4.2 Result 16

8. Common specifications 17
8.1 Password entry field 17

9. Basic Settings page 18
9.1 Main Page 18
9.1.1 Top page 18
9.1.1.1 Image 18
9.1.1.2 Link Items 19
9.2 Log on Page 20
9.2.1 Image 20
9.2.2 Input Items 20
9.2.3 Button 20
9.3 Log on failure page 21
9.3.1 Image 21
9.3.2 Result 21
9.4 Wi-Fi Page 22
9.4.1 Top page 22
9.4.1.1 Image 22
9.4.1.2 Setting items 22
9.4.1.3 Button 22
9.4.2 SSID Setting page 23
9.4.2.1 Image 23
9.4.2.2 Setting items 23
9.4.2.3 Button 23

9.4.3 Result page 24
9.4.3.1 Image 24
9.4.3.2 Setting Result 24
9.4.3.3 Button 24
9.5 Wi-Fi Direct Page 25
9.5.1 Top page 25
9.5.1.1 Image 25
9.5.1.2 Setting items 25
9.5.1.3 Buttons 25
9.5.2 Result page 26
9.5.2.1 Image 26
9.5.2.2 Setting Result 26
9.5.2.3 Button 26
9.6 Firmware Update Page 27
9.6.1 Top page 27
9.6.1.1 Image 27
9.6.1.2 Display Items 27
9.6.1.3 Description 27
9.6.1.4 Buttons 27
9.6.2 Firmware search process page 28
9.6.2.1 Image 28
9.6.2.2 Description Items 28
9.6.2.3 Button 28
9.6.3 Before update confirm page 29
9.6.3.1 Image 29
9.6.3.2 Description 29
9.6.3.3 The information of the firmware update 29
9.6.3.4 Buttons 29
9.6.4 Cancel process Page 30
9.6.4.1 Image 30
9.6.4.2 Description 30
9.6.4.3 Button 30
9.6.5 Result page 31
9.6.5.1 Image 31
9.6.5.2 Setting Result 31
9.6.5.3 Button 31
9.7 Advanced Setting Link 32
9.8 Cloud Services 32
9.8.1 Top page 32
9.8.1.1 Cloud Services Disabled State 32
9.8.1.2 Cloud Services Enable State 33
9.8.1.3 Cloud Services Changing State 34
9.8.2 Result page 35
9.8.2.1 Image 35
9.8.2.2 Setting Result 35
9.8.2.3 Button 35

10. Display or setting page 36
10.1 Status 36
10.1.1 Product Status 36
10.1.1.1 Top page 36
10.1.2 Network Status 41
10.1.2.1 Top page 41
10.1.3 TM-Intelligent 47
10.1.3.1 Top page 47
10.1.3.2 Device Admin - Printer 47
10.1.3.3 Device Admin - Customer Display 48
10.1.3.4 Services - ePOS-Print 49
10.1.3.5 Services - ePOS-Device 49
10.1.3.6 Services - Server Direct Print 50
10.1.3.7 Services - Status Notification 51
10.1.3.8 Services - Print Data Parsing 52
10.1.3.9 Miscellaneous Settings - Proxy 52
10.1.3.10 System - Reset 53
10.1.3.11 System - Help 54
10.2 Network 55
10.2.1 Network Basic 55
10.2.1.1 Top page 55
10.2.1.2 Confirm page 59
10.2.1.3 Result page 60

10.2.2 Wi-Fi 61
10.2.2.1 Top page 61
10.2.2.2 SSID Search page 62
10.2.2.3 Wi-Fi Settings page 62
10.2.2.4 Confirm Wi-Fi Setup page 64
10.2.2.5 Result page 65
10.2.3 Wired LAN 66
10.2.3.1 Top page 66
10.2.3.2 Confirm page 66
10.2.3.3 Result page 67
10.2.4 Wi-Fi Direct 68
10.2.4.1 Top page 68
10.2.4.2 Confirm page 70
10.2.4.3 Result page 71
10.3 Network Security 72
10.3.1 Protocol 72
10.3.1.1 Top page 72
10.3.1.2 Confirmation Page 75
10.3.1.3 Result page 76
10.3.2 CA Certificate 77
10.3.2.1 Top page 77
10.3.2.2 Import page 79
10.3.2.3 Result page 80
10.3.3 SSL/TLS 81
10.3.3.1 Basic 81
10.3.3.2 Certificate 84
10.3.4 Automatic Certificate Update 92
10.3.4.1 Top page 92
10.3.4.2 Confirming page 93
10.3.4.3 Result page 94
10.3.5 IPsec/IP Filtering 95
10.3.5.1 Basic 95
10.3.5.2 Client Certificate 109
10.3.6 IEEE802.1X 117
10.3.6.1 Basic 117
10.3.6.2 Client Certificate 123
10.4 Product Security 132
10.4.1 Password Encryption 132
10.4.1.1 Top page 132
10.4.1.2 Result page 133
10.4.2 Change Administrator Password 134
10.4.2.1 Top page 134
10.4.2.2 Result page 135
10.5 Device Management 136
10.5.1 Export and Import Setting Value 136
10.5.1.1 Export/Import Category 136
10.5.1.2 Export 137
10.5.1.3 Import 140
10.5.2 Administrator Name / Contact Information 146
10.5.2.1 Top page 146
10.5.2.2 Result page 146
10.5.3 Date and Time 147
10.5.3.1 Display Format 147
10.5.3.2 Date and Time 149
10.5.3.3 Time Difference 151
10.5.3.4 Time Server 153
10.6 Cloud Services 156
10.6.1 Basic 156
10.6.1.1 Top Page 156
10.6.1.2 Result Page 157
10.6.2 Auto Connection 158
10.6.2.1 Top Page 158
10.6.2.2 Result Page 159

1. Introduction

This guide is applied to the EPSON Web Config function (hereafter called “Web Config”).

1.1 Definitions

In this guide, words and phrases enclosed in double-quotation marks (“”) are strings that are shown in Web Config.

1.2 Terminologies

Table 1-1 Terminologies

Terms	Definitions
Button	HTML element that allows a user to execute an action by pressing it.
Text box	HTML element that shows some text or allows a user to edit text. There are two types of text boxes (read-only/read-write)
Check box	HTML element that allows a user to choose multiple items from several options.
Tab	HTML element that allows a user to choose one document from multiple documents.
Radio button	HTML element that allows a user to choose one item from provided options.
Drop-down list	HTML element that allows a user to choose one item from a Drop-down option list.
Frame	HTML element that is used to divide a page into multiple areas.
File button	HTML element that allows a user to open a window to select a file.
Red	Color defined as RGB (255, 80, 0) and used as 'CUD-Red' on Web Config.
UTF-8	One of the character codes that can be entered in a Web browser. A character code from 1 to 3 bytes is used to express one character. Although there is an exception in which 4-byte surrogate pairs are treated as one character, these single characters are counted as two characters in internal processing.
UTF-16	One of the character codes that can be entered in a Web browser. Characters that exceed the value of 0x010000 in UTF-16 are called surrogate pairs. They are single characters that are counted as two characters.

2. Supported platforms and web browsers

Web Config supports the following platforms and web browsers.

Table 2-1 Supported platforms and web browsers

Platforms	Web Browsers
Windows 11, Windows 10, Windows 8.1, Windows 8, Windows 7, Windows XP	IE8, IE9, IE10, IE11, Edge, Firefox, Chrome
Mac OS X (10.6.8,10.7.x,10.8.x,10.9.x,10.10.x, 10.11.x,10.12.x,10.13.x,10.14.x)	Safari, Firefox, Chrome
Chromebook	Default browser

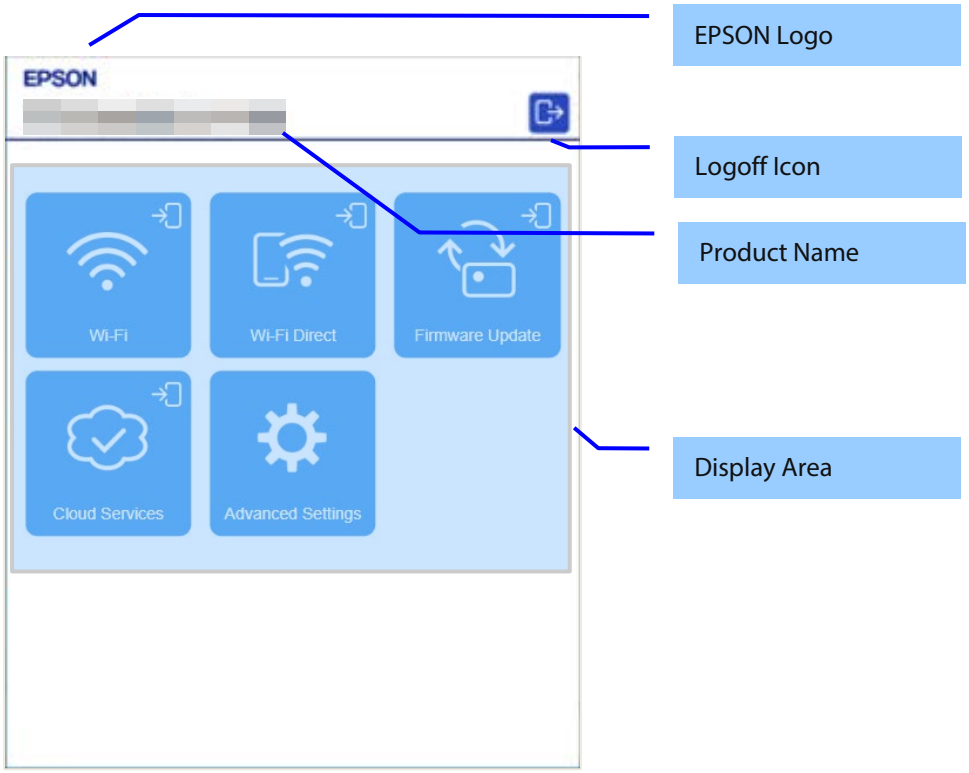
3. Layout

This section describes the page layout of Web Config.

3.1 Basic Settings Page

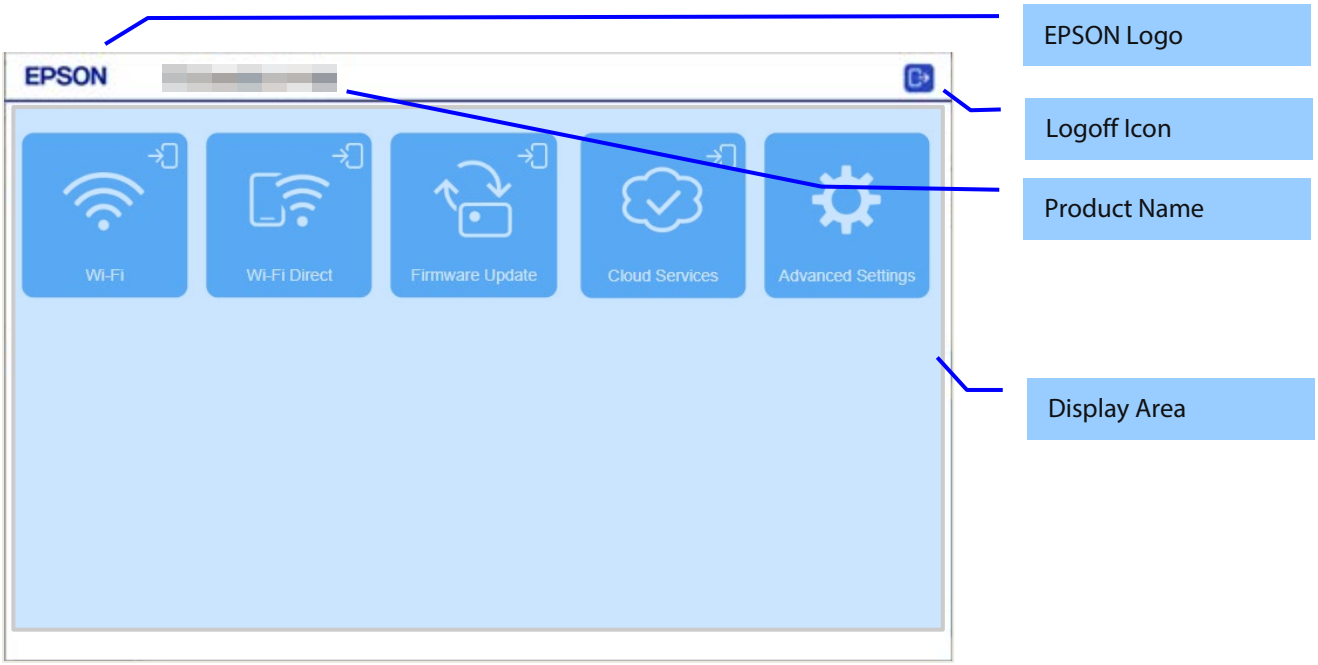
3.1.1 Configuration for Smartphones

If the width of the display device is 700px or less, it will be displayed in the configuration for smartphones.



3.1.2 Configuration for PC

If the width of the display device is larger than 700px, it will be displayed in the configuration for PC.



Parts	Description
EPSON Logo	Displays an image of the EPSON Logo. Click the EPSON Logo to access the top page of Web Config. The top page cannot be accessed from the Firmware Update page (except for top page) even if pressed.
Product Name	Displays the product name.
Logoff Icon	A logoff icon is displayed when the administrator logs on. Click the logoff icon to access the Web Config top page after the administrator logs off.
Display Area	Displays device status and setting items. The entire page is scrolled if there is a large amount of information.

3.2 Advanced Settings Page

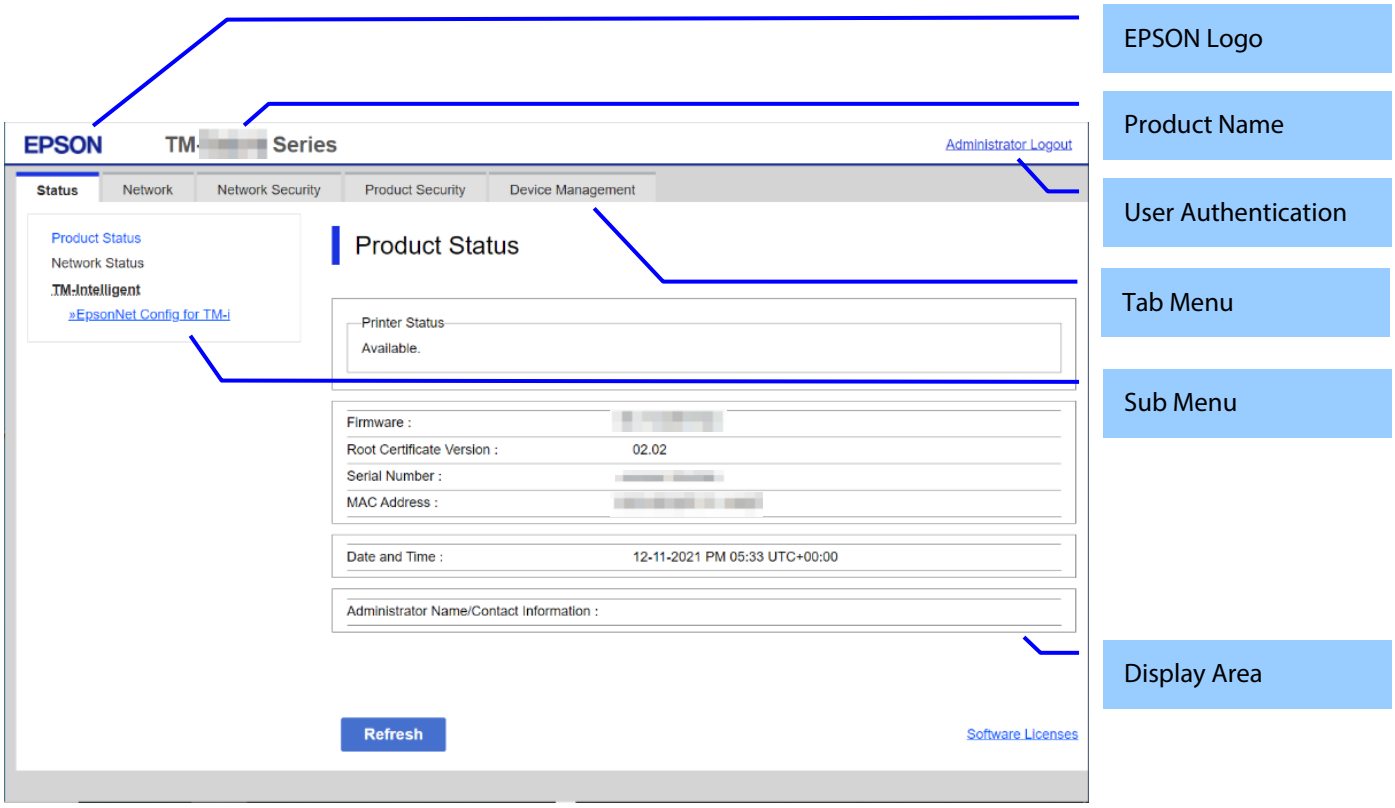


Figure 3-1 Layout

Table 3-1Layout

Parts	Description
EPSON Logo	Displays an image of the EPSON Logo.
Product Name	Displays the product name.
User Authentication	This link allows the user to log on/off. When the user logs on, a page for entering authentication information is displayed. There are two links: “Logon” and “Logoff”. When a user is logged on, that user's name is displayed to the left side of the link. (“Administrator” is displayed when an administrator is logged on.)
Tab Menu	Displays the main menu on tabs. The selected tab menu is highlighted.
Sub Menu	Displays the sub-menus for the selected tab menu. The selected sub-menu is highlighted.
Display Area	Displays the device status and setting items. Scroll down if there is too much information to fit in the window. Only the display area will scroll.

For more information about the Tab Menus and Sub-Menus shown on Web Config, refer to the Function Table.

4. Language

4.1 Supported languages

English only

5. Top page

5.1 URL

Web Config can be opened from the following URLs.

Table 5-1 URL access to Web Config

URL	Description
http(s)://(IP address or Device name*)/ PRESENTATION/ADVANCED/TOP	Correct URL
http(s)://(IP address or Device name*)	Redirect to correct URL

*The device name must be registered with a DNS.

If the function for redirecting to HTTPS is enabled, HTTP access is redirected to HTTPS access. Since the device uses the self-signed certificate that is stored in the device for HTTPS access by default, a warning message will be shown in the web browser. The user can change the self-signed certificate to any server certificate in the SSL/TLS settings on Web Config.

5.2 JavaScript

Even if JavaScript is disabled in the web browser's preferences or options settings, the top page is displayed and the user can transition to each page from the sub-menu on the left. However, the display area and the operation buttons are limited to some extent, and therefore the message “Enable the browser's JavaScript setting.” is displayed above the tabs.

6. Administrator Password Settings

When accessing Web Config, if the administrator password has not been set, go to the Set Administrator Password page.

6.1 Top page

6.1.1 Image

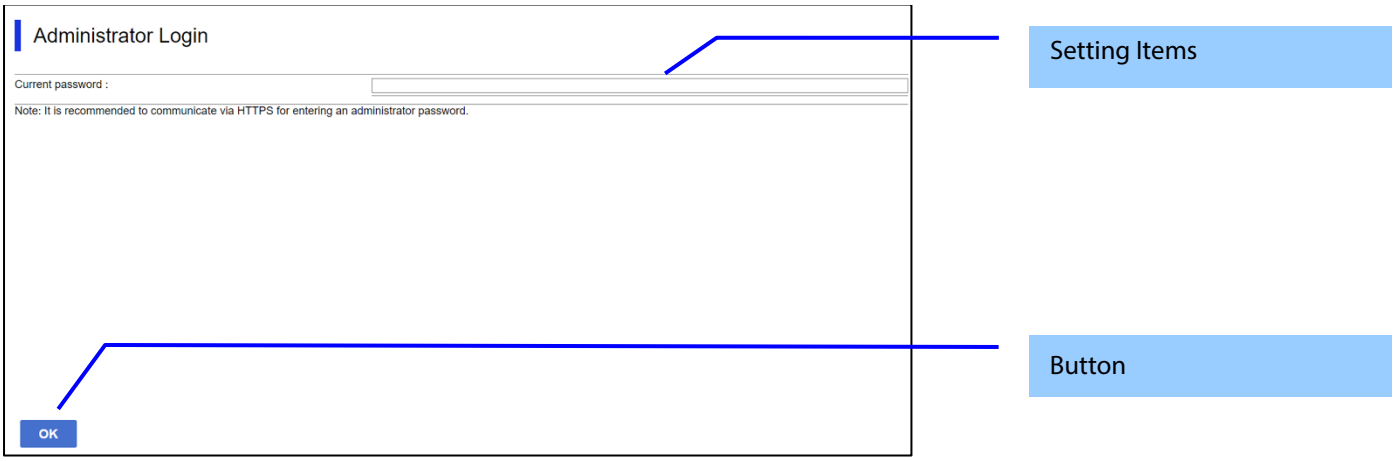


Figure 6-1 Administrator Password Settings

6.1.2 Setting Items

The following table shows the items on the page.

Table 6-1 Setting Items

Items	Description	Condition
“User Name”	Text box for entering the current user's name. Usable string: ASCII code (0x20-0x7E) from 0 to 20 characters.	Displayed only for models on which the administrator user name can be set.
“Enter between 0 and 20 characters.”	Message for entering characters.	Displayed only for models on which the administrator user name can be set.
“New Password”	Text box for entering a new password. Usable string: ASCII code (0x20-0x7E) Max. 20 characters. However, the password setting will fail if it violates the password policy.	-
“Enter between %d and 20 characters.”	Message for entering characters. ● ISO15408 corresponding only model ● Other models "1～20 characters"	-
“Confirm New Password”	Text box for confirming the entered password. Usable string: ASCII code (0x20-0x7E) Max. 20 characters.	-
“Note: It is recommended to communicate via HTTPS for entering an administrator password. “	Fixed strings	-

6.1.3 Button

The following table shows the buttons on the page.

Table 6-2 Button

Items	Description
“OK”	- The entered value is checked when this button is pressed.

When the “OK” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 6-3 Error Popup

Items	Description
“Invalid value below.	When the format of the entered user name or password is not correct, this message is shown.
“Password and confirm password do not match.”	When new password and the confirmation password do not match, this message is shown.

7. User authentication

7.1 Authentication method

Web Config uses the administrator user name and password to perform user authentication. This same password is also used for locking the device's control panel and for EpsonNet Config password authentication. If a password is not configured, administrator rights are granted for all access to Web Config. The various states of administrator authentication are shown below.

Table 7-1 Administrator authentication state

	Administrator user name is configured	Administrator user name is not configured
Administrator password is configured	Authentication is requested.	Authentication is requested. However, the administrator is not required to enter a user name.
Administrator password is not configured	Transit to "Administrator Password Setting" page.	Displays the "Set Administrator Password" page.

7.2 Pages always can be accessed

The following pages are accessible all the time regardless of the administrator's logon status.

Table 7-2 Pages always can be accessed

Tab menu	Sub menu
Status	Product Status (contains Software Licenses)
	Network Status
	sage Status
	Hardware Status
Network	AirPrint

7.3 Log on page

7.3.1 Image

The following figure shows the layout of the logon page.

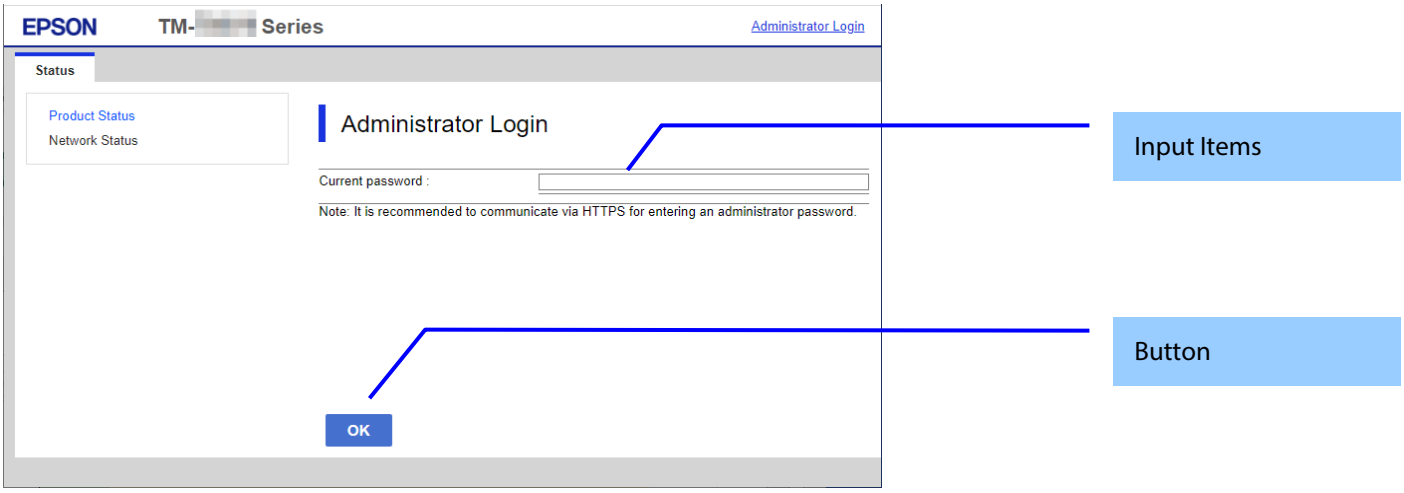


Figure 7-1Log on page

7.3.2 Input Items

Table 7-3 Input items

Items	Description	Conditions
“User name”	Text box for entering the current user's name. If the Enter key is pressed while the cursor is in this text box, the same process as when the OK button is pressed is performed.	-
“Current password”	Text box for entering the current password. The entered value is masked with '*'. If the Enter key is pressed while the cursor is in this text box, the same process as when the OK button is pressed is performed.	-
“Note: It is recommended to communicate via HTTPS for entering an administrator password.”	Comment	-
“The initial password is provided on the label attached to the product. For more details, please refer to the user manual.”	Comment	This item is displayed UK PSTI Bill corresponding model.
“The initial password is the product's serial number. Please check the serial number. For more details, please refer to the user manual.”	Comment	This item is displayed UK PSTI Bill not corresponding model. Not CK43/CK44.

7.3.3 Button

Table 7-4Button

Items	Description
“OK”	Button for logging on. After the user logs on, the Product Status page on the Status tab is displayed.

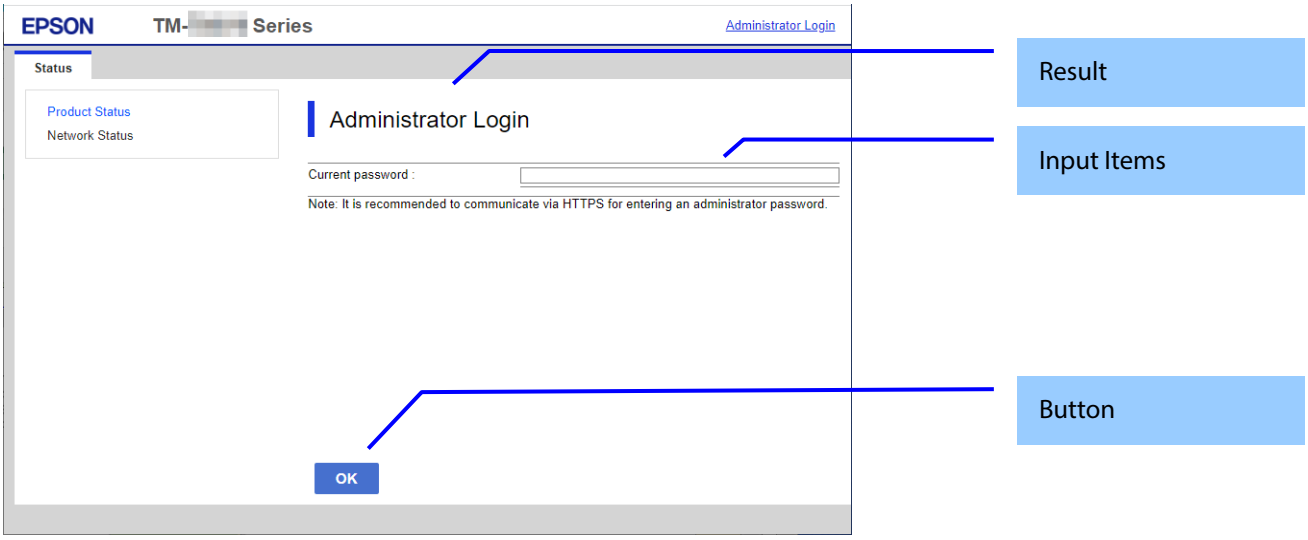
The Administrator logon page is displayed in the following cases.

- User authentication link clicked
- Direct access to a page that requires logging on
- Web Config accessed 20 min. or longer since the previous time
- Accessing Web Config while currently logged on as an administrator in another web browser

7.4 Log on failure page

If logon fails, the logon page is displayed with the authentication results.
At this time, the previously entered user name is shown, and the password field is left blank.

7.4.1 Image



7.4.2 Result

Table 7-5 Setting Result

Items	Description
"Incorrect password."	This message is shown when the entered password is incorrect. This item is displayed in red letters. This item is displayed when administrator logon fails on devices that do not support user names.
"Authentication failed." "Try again later."	This message is displayed when registered user logon fails. This item is displayed in red letters.

8. Common specifications

8.1 Password entry field

The common specifications for password entry fields are shown below.

- Entered characters are masked. To use textbox, specify the “password” attribute for “type”.
- When a password is set, 10 asterisks (*) are used for the “value” attribute for the textbox.
- If no password is entered, nothing is entered for the “value” attribute for the textbox. However, in some cases 10 asterisks (*) are displayed even if no password is entered. These conditions are detailed in the description for each item.
- If 10 asterisks are entered for the password, the password is not changed.

9. Basic Settings page

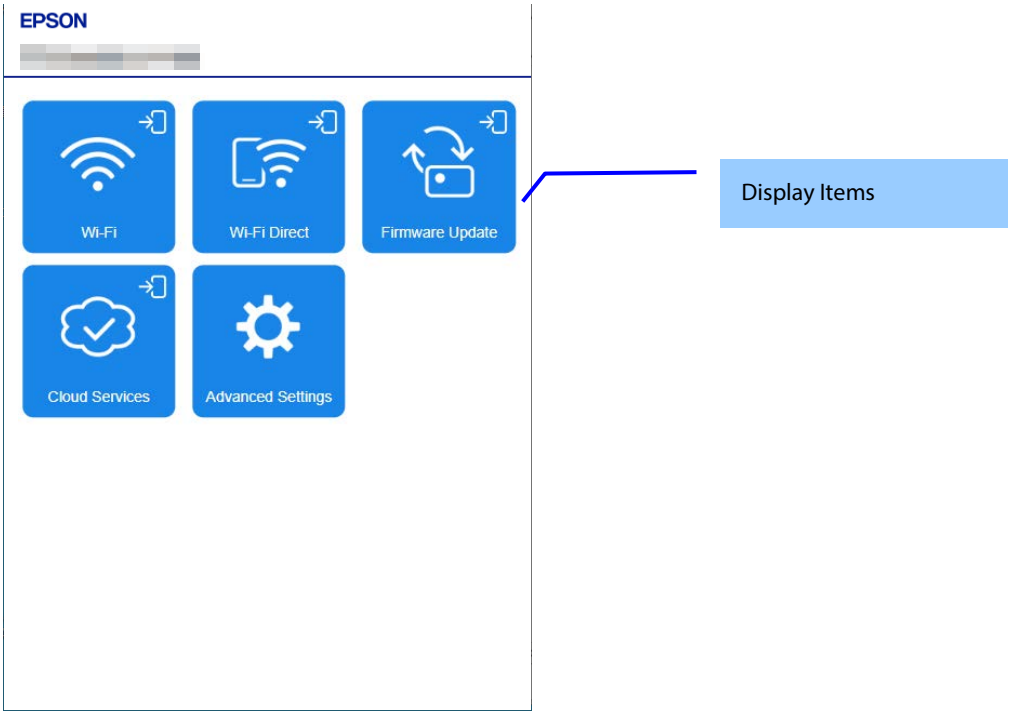
May not appear, depending on the version of the product firmware.

9.1 Main Page

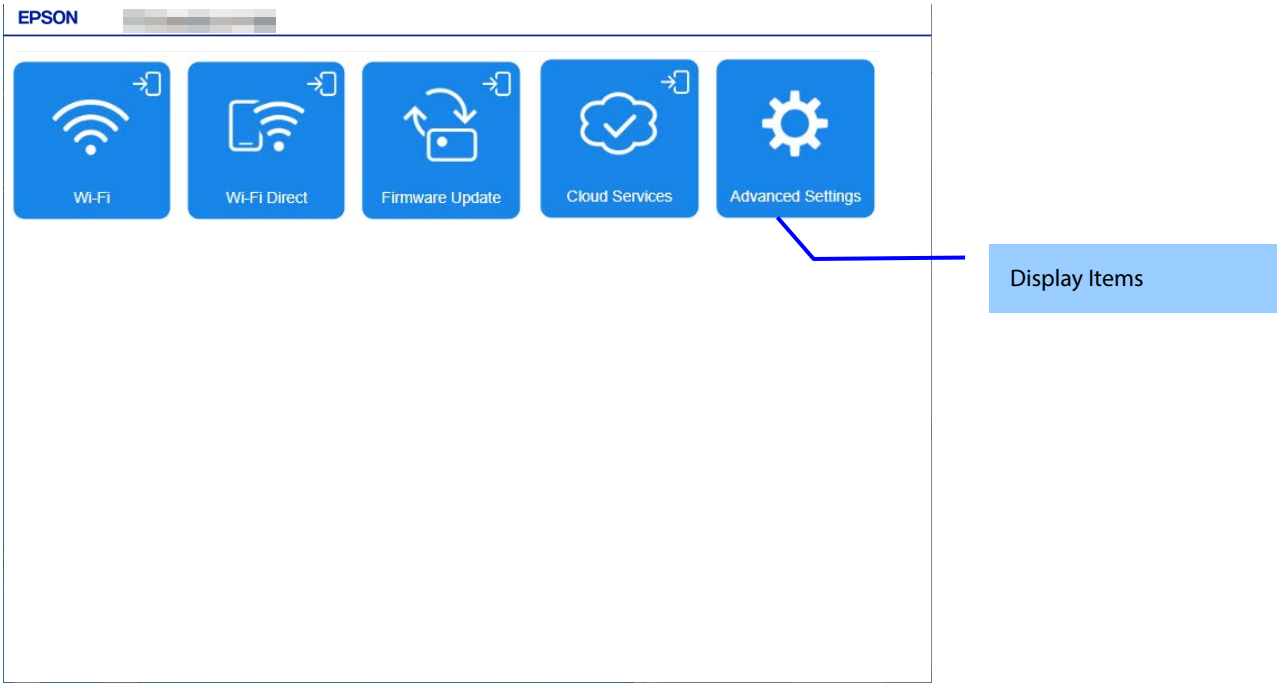
9.1.1 Top page

9.1.1.1 Image

9.1.1.1.1 Configuration for smartphones

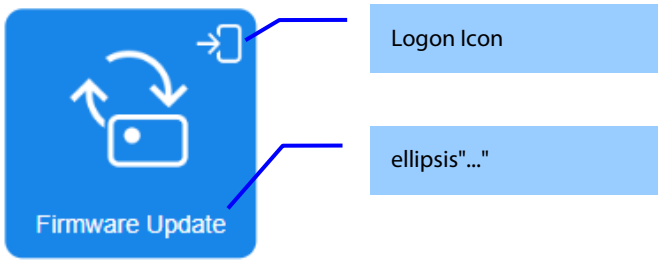


9.1.1.1.2 Configuration for PC



9.1.1.2 Link Items

Link items are displayed in the form of square buttons. The layout for smartphones is 3 x N, the layout for PCs is 5 x N.
A logon icon is displayed at the upper right of the button for link items that are not logged on and require logon.
If the length of the item name exceeds the width of the square button, the ellipsis "..." is displayed.



Items	Description	Condition
"Wi-Fi"	Access the top page of Wi-Fi Settings	-
"Wi-Fi Direct"	Access the top page of Wi-Fi Direct Settings	-
"Printer Settings"	Access the top page of Printer Settings	
"Firmware Update"	Access the top page of the Firmware Update	
"Advanced Settings"	Access the top page of Advanced Settings	
"Cloud Services"	Access the top page of Cloud Services Settings	

† If you press the link item with the logon icon displayed, first access the logon page, and if the logon is successful, access each top page.

9.2 Log on Page

9.2.1 Image

The following figure shows a layout of log on page.

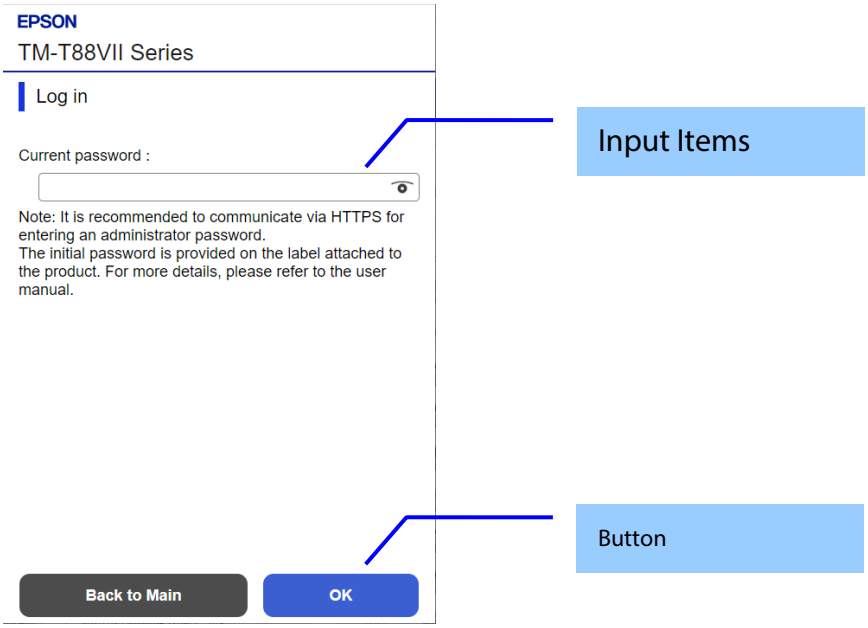


Figure 9-1 Log on page

9.2.2 Input Items

Table 9-1 Input items

Items	Description	Condition
"Current password"	A text box to input current password. Input value is masked with '*'. When pressing the Enter key with the cursor hitting this text box, perform the same processing as when pressing the OK button. When ' ' is pressed, Input value is displayed. When ' ' is pressed, Input value is masked with '*'.	-
"Note: It is recommended to communicate via HTTPS for entering an administrator password. "	Comment	-
"The initial password is provided on the label attached to the product. For more details, please refer to the user manual. "	Comment	This item is displayed UK PSTI Bill corresponding model.
"The initial password is the product's serial number. Please check the serial number. For more details, please refer to the user manual. "	Comment	This item is displayed UK PSTI Bill not corresponding model. Not CK43/CK44.

9.2.3 Button

Table 9-2 Button

Items	Description
"OK"	Button for Log on. After log on, Top page of each function is displayed.
"Back to Main"	Main Page is displayed.

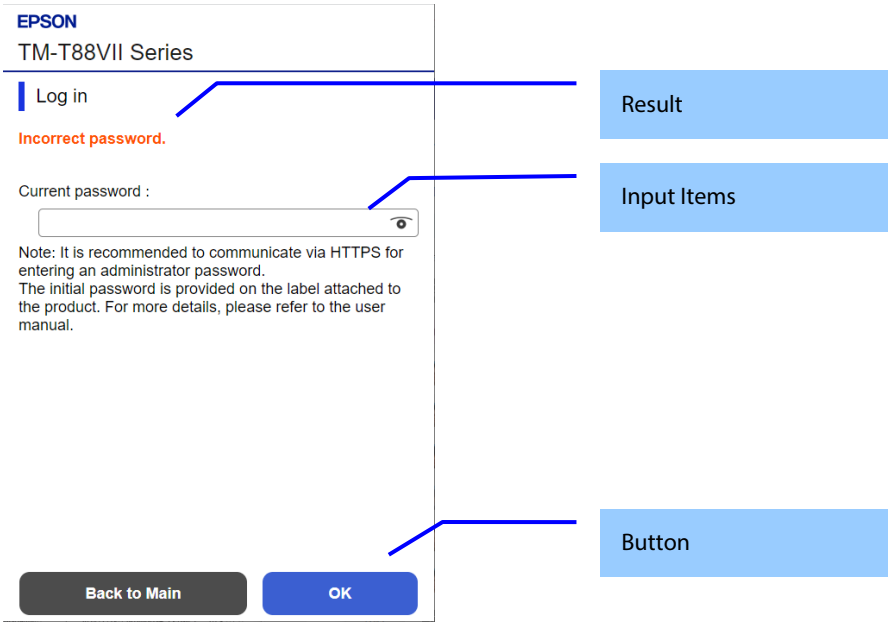
Administrator log on page is shown in case of belows.

- When the user authentication link is clicked.
- Direct access to the page which is needed to log on.
- Web Config access after 20 min. from last access.
- During administrator log on, Web Config access after administrator log on from other web browser.

9.3 Log on failure page

If log on fails, log on page with result is displayed.
At this time, the user name is displayed with the previous input value remaining, and the password is displayed in an empty state.

9.3.1 Image



9.3.2 Result

Table 9-3 Setting Result

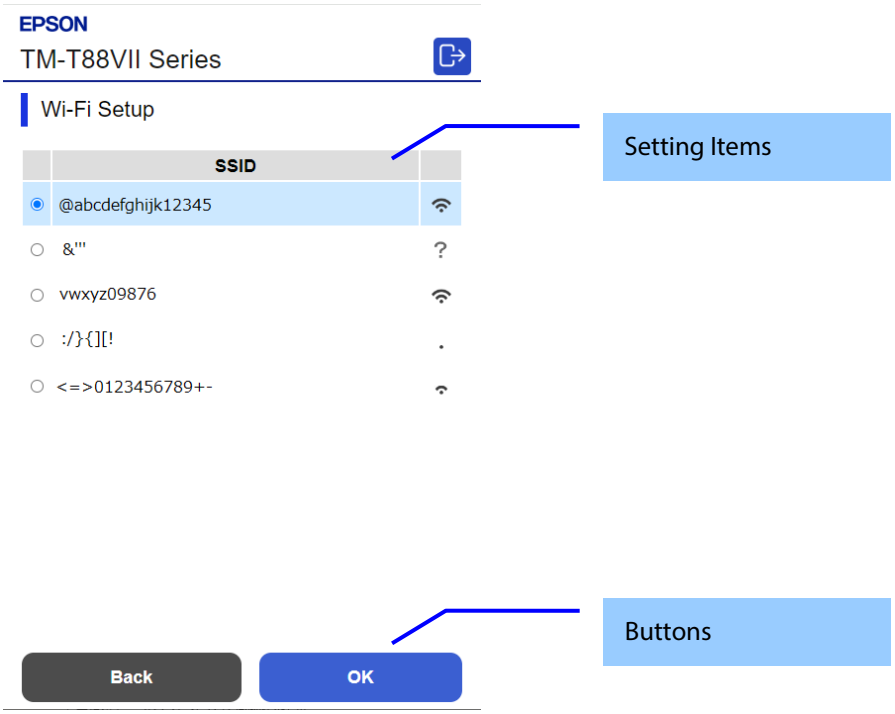
Items	Description
"Incorrect password. "	This message is shown when the entered password is incorrect. This item is displayed in red letters. This item is displayed on the device which does not support username and when failed administrator logon.
"Authentication failed. " "Try again later. "	This message is shown when failed registered user logon. This item is displayed in red letters.

9.4 Wi-Fi Page

Does not appear when the optional wireless LAN unit is not connected.

9.4.1 Top page

9.4.1.1 Image



9.4.1.2 Setting items

Table 9-4 Setting items

Items	Description	Condition
"SSID"	Select the SSID found in the SSID search and the manual option using the radio buttons.	-

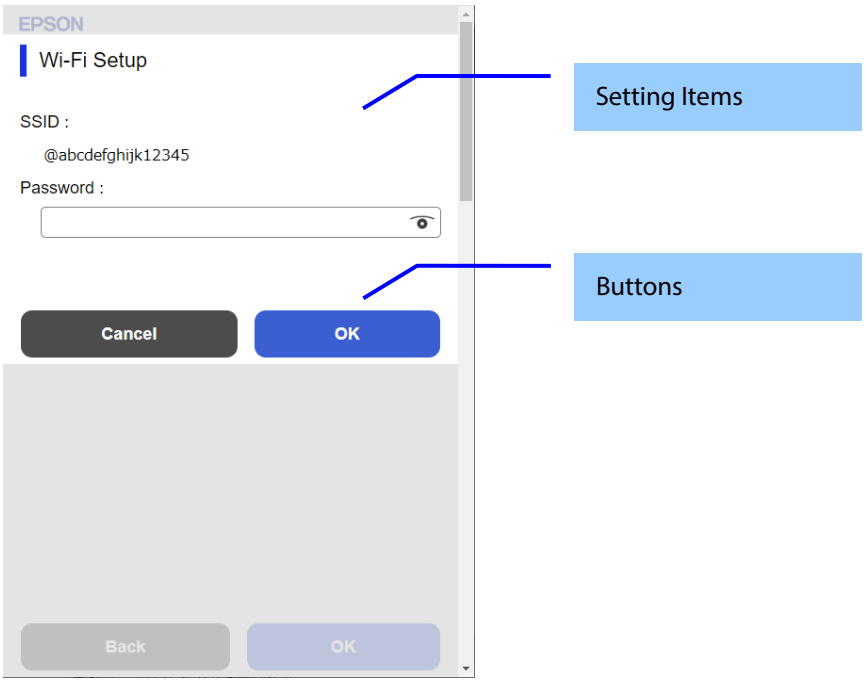
9.4.1.3 Button

Table 9-5 Button

Items	Description	Condition
"OK"	Moves to the configuration page for SSID connection.	-
"Back"	The button to move to main page.	-

9.4.2 SSID Setting page

9.4.2.1 Image



9.4.2.2 Setting items

Table 9-6 Setting items

Items	Description	Condition
"SSID"	If selected from a list, the selected SSID is displayed as a fixed string. If manual, use the text box to configure the settings.	-
"Password"	A text box is provided. The string must have 1, 5, or 8 to 63 characters. (ASCII codes: 0x20 - 0x7E) The input values are masked by '*'.	If the SSID selected from the search list has no PW set, it is hidden.

9.4.2.3 Button

Table 9-7 Button

Items	Description	Condition
"OK"	Moves to the configuration page for SSID connection.	-
"Cancel"	Cancel pooup.	-

9.4.3 Result page

9.4.3.1 Image

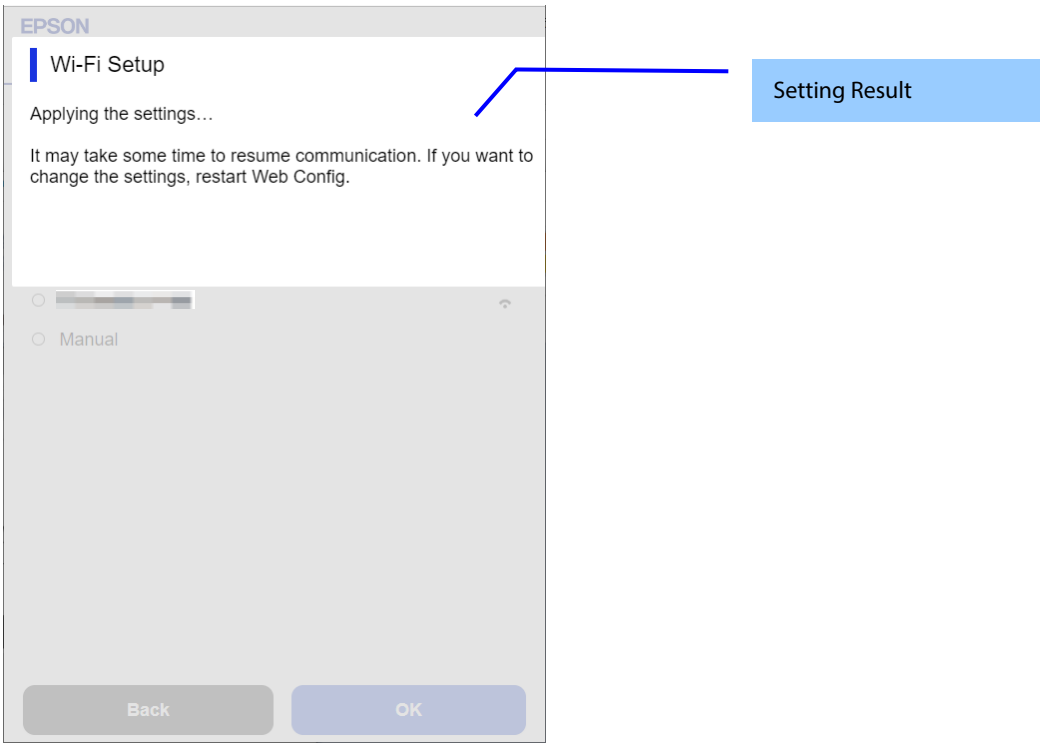


Figure 9-2 Result page

9.4.3.2 Setting Result

Table 9-8 Setting Result

Items	Description
"Setup complete.¥n It may take some time to resume communication. If you want to change the settings, restart Web Config. "	This text is shown if setup is successful.
"Setup failed. "	This text is shown if setup is failed.

9.4.3.3 Button

Table 9-9 Button

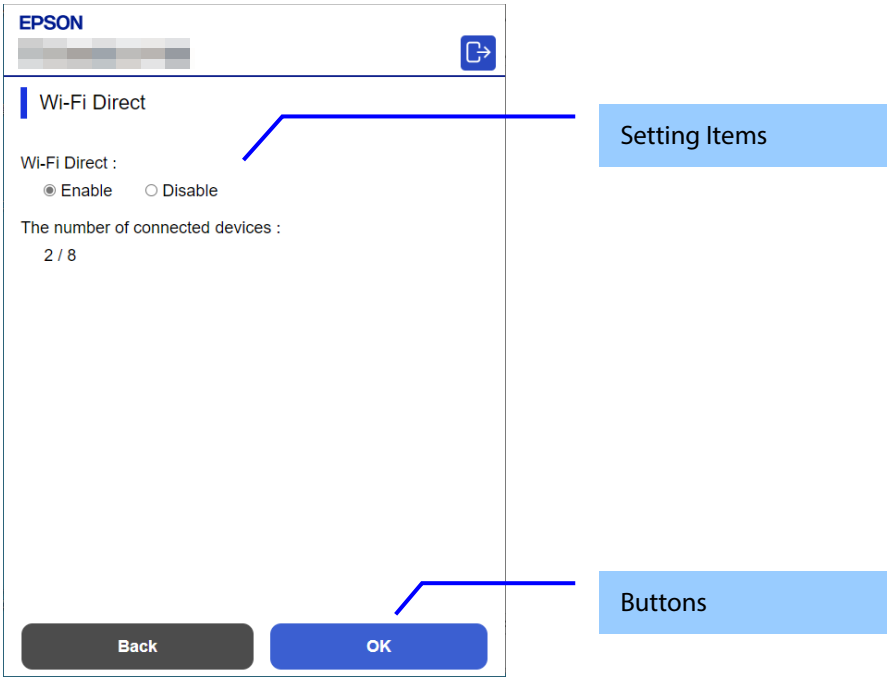
Items	Description	Condition
"Back to Main"	The button to display Main Page.	This button is displayed when setup is failed.

9.5 Wi-Fi Direct Page

Does not appear when the optional wireless LAN unit is not connected.

9.5.1 Top page

9.5.1.1 Image



9.5.1.2 Setting items

Table 9-10 Setting items

Items	Description	Condition
"Wi-Fi Direct"	Two radio buttons are provided to choose either of the followings: "Enable" / "Disable"	-
"The number of connected devices"	Display the number of connected devices with Wi-Fi Direct. The number of connected devices/Max devices	This item is displayed when "Wi-Fi Direct" is "Enable".

9.5.1.3 Buttons

Table 9-11 Buttons

Items	Description	Condition
"Back"	The button to move to main page.	-
"OK"	There is the button to change the settings. When this button is pushed, Web Config is transferred to Result Page.	-

9.5.2 Result page

9.5.2.1 Image

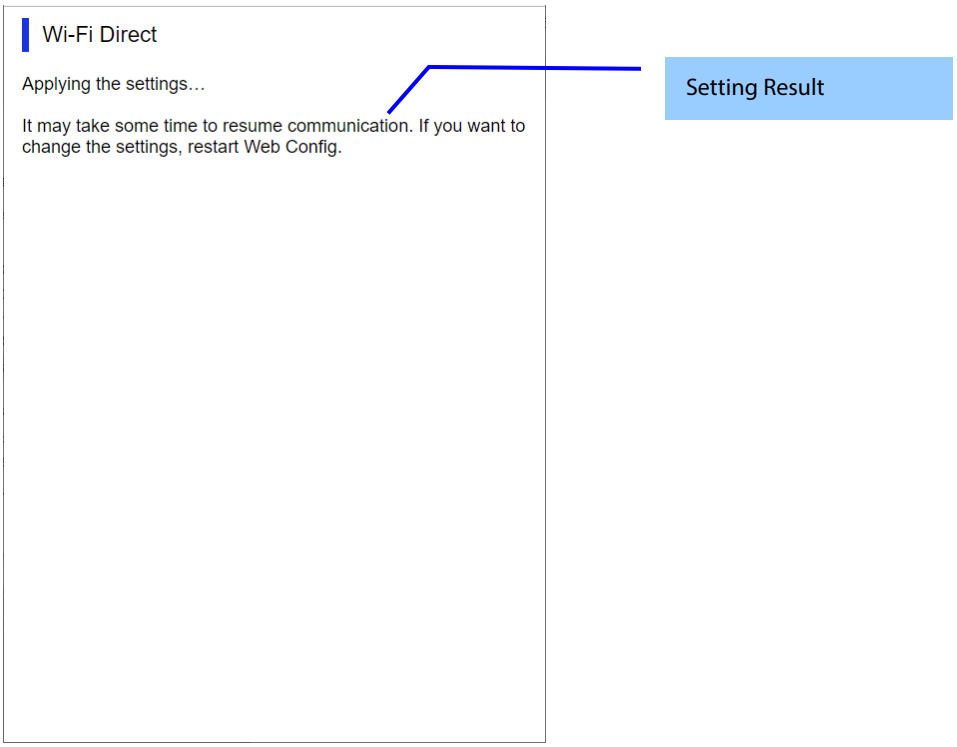


Figure 9-3 Result page

9.5.2.2 Setting Result

Table 9-12 Setting Result

Items	Description
"Setup complete.¥n It may take some time to resume communication. If you want to change the settings, restart Web Config."	This text is shown if setup is successful.
"Setup failed."	This text is shown if setup is failed.

9.5.2.3 Button

Table 9-13 Button

Items	Description	Condition
"Back to Main"	The button to display Main Page.	This button is displayed when setup is failed.

9.6 Firmware Update Page

9.6.1 Top page

9.6.1.1 Image

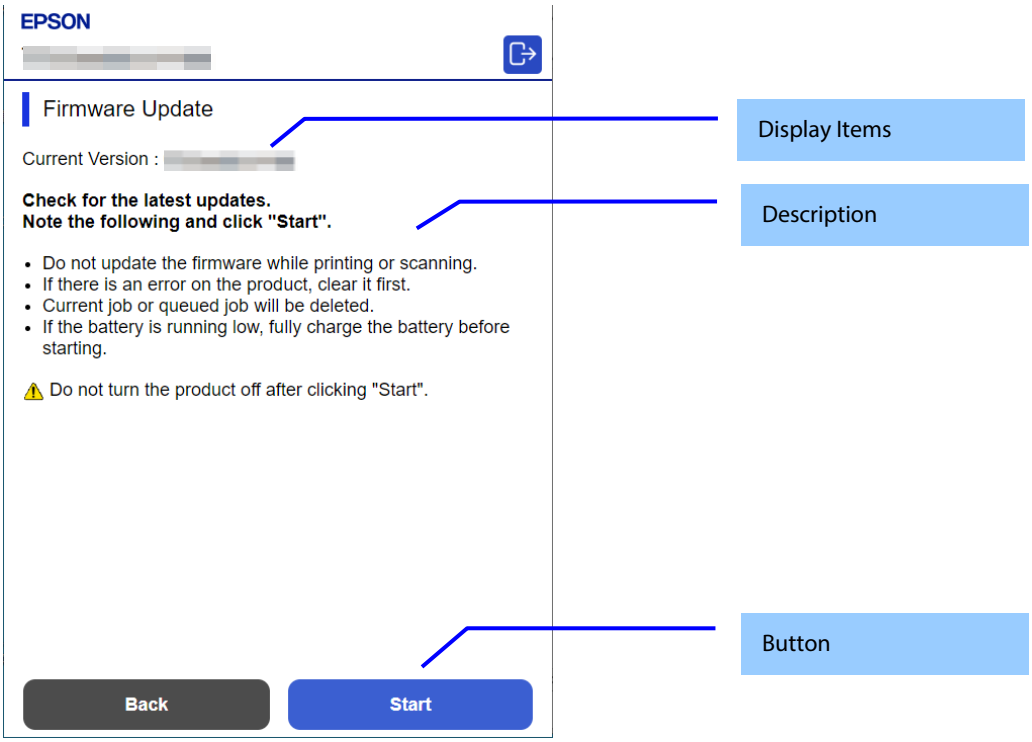


Figure 9-4 Top page

9.6.1.2 Display Items

Table 9-14 Display Items

Items	Description
"Current Version"	Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZZ: Main version

9.6.1.3 Description

Table 9-15 Description

Items	Description	Condition
"Check for the latest updates. " "Note the following and click "Start"."	Fixed Strings	-
"Do not update the firmware while printing or scanning. "	Fixed Strings	-
"If there is an error on the product, clear it first. "	Fixed Strings	-
"Remove the roll paper if loaded. "	Fixed Strings	This message is shown on destinations with Roll Paper Feed.
"Current job or queued job will be deleted. "	Fixed Strings	-
"If the battery is low, charge it before starting. "	Fixed Strings	This message is shown on models that is installed battery.
"Do not turn the product off after clicking "Start"."	Fixed Strings ! icon is shown in front of the string.	-

9.6.1.4 Buttons

Table 9-16 Buttons

Items	Description
"Back"	The button to main page.
"Start"	The button to Firmware search page.

9.6.2 Firmware search process page

The page is shown after the 'Start' button is pressed.
The following figure shows a layout of the Firmware search process page.

9.6.2.1 Image

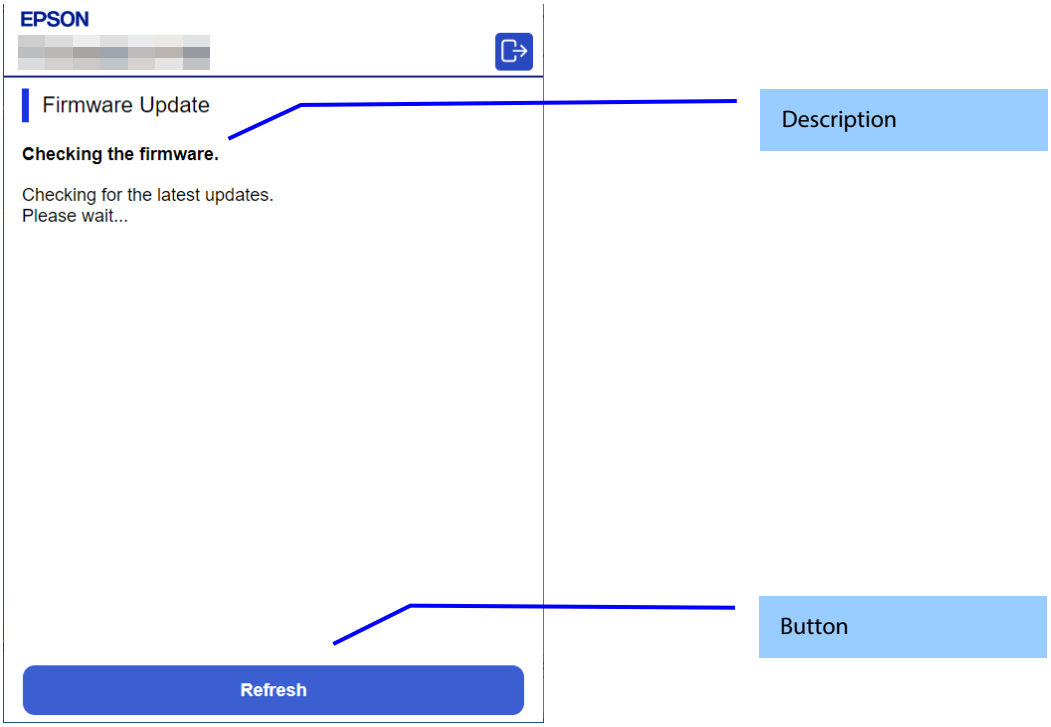


Figure 9-5 Firmware search process page

9.6.2.2 Description Items

Table 9-17 Description

Items	Description
"Checking the firmware. " "Checking for the latest updates.¥n Please wait... "	Fixed Strings

9.6.2.3 Button

Table 9-18 Button

Items	Description
"Refresh"	The button on bottom of the main frame to refresh the page. If you click, the page is refreshed.

9.6.3 Before update confirm page

The page is shown if new firmware is found.
The following figure shows a layout of the Before update confirm page.

9.6.3.1 Image

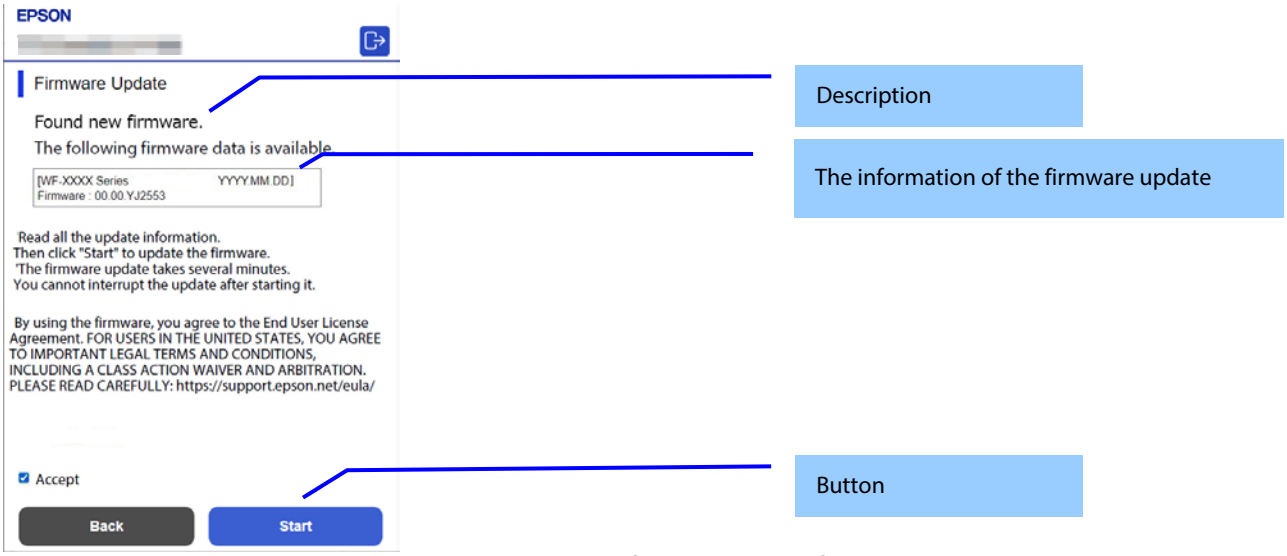


Figure 9-6 Before update confirm page

9.6.3.2 Description

Table 9-19 Description

Items	Description
"Found new firmware. " "The following firmware data is available. "	Fixed Strings
"Read all the update information.¥n Then click "Start" to update the firmware. " "The firmware update takes several minutes.¥n You cannot interrupt the update after starting it. "	Fixed Strings
"By using the firmware, you agree to the End User License Agreement. FOR USERS IN THE UNITED STATES, YOU AGREE TO IMPORTANT LEGAL TERMS AND CONDITIONS, INCLUDING A CLASS ACTION WAIVER AND ARBITRATION. PLEASE READ CAREFULLY: https://support.epson.net/eula/"	EULA
"Accept"	Check box. When this item is checked then "Start" button is enable.

9.6.3.3 The information of the firmware update

Table 9-20 The information of the firmware update

Items	Description
Product name and release date.	Up to 10 characters in ASCII codes. YYYY.MM.DD
Firmware	Up to 12 characters in ASCII codes. XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZZ: Main version
Description	Up to 1024 bytes in UTF-8

9.6.3.4 Buttons

Table 9-21 Buttons

Items	Description
"Cancel"	If you click, Firmware update is canceled.
"Start"	If you click, Firmware update is started.

9.6.4 Cancel process Page

9.6.4.1 Image

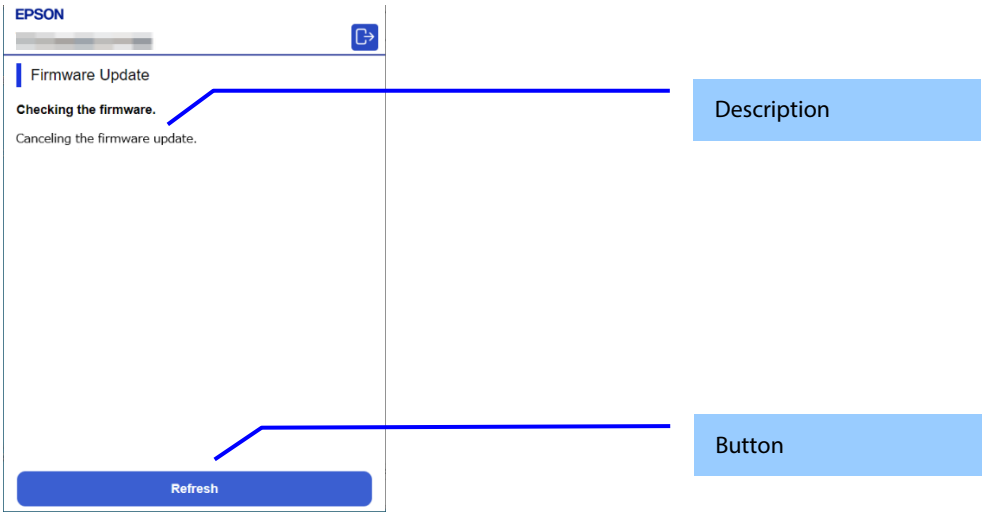


Figure 9-7 Cancel process Page

9.6.4.2 Description

Table 9-22 Description

Items	Description
"Canceling the firmware update. "	Fixed Strings

9.6.4.3 Button

Table 9-23 Button

Items	Description
"Refresh"	The button on bottom of the main frame to refresh the page. If you click, the page is refreshed.

9.6.5 Result page

9.6.5.1 Image

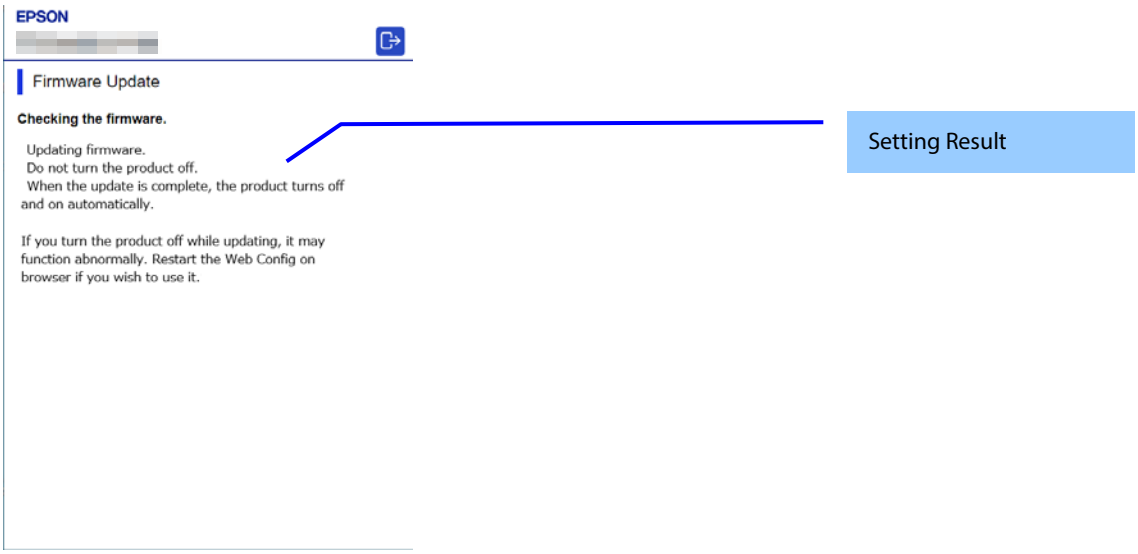


Figure 9-8 Result page

9.6.5.2 Setting Result

Table 9-24 Setting Result

Items	Description
"Updating firmware. " "Do not turn the product off. " "When the update is complete, the product turns off and on automatically.¥n If you turn the product off while updating, it may function abnormally. Restart the Web Config on browser if you wish to use it. "	This message is shown when Firmware update is started successfully. ! icon is shown in front of "Do not turn the product off. ".
"The firmware update was canceled. "	This message is shown when Firmware update is canceled successfully.
"You have the latest firmware. "	This message is shown when the current version of the firmware is latest.
"Cannot connect to the Epson server. "	This message is shown when the printer could not access to the server. × icon is shown in front of the string.
"Cannot update the firmware. " "Quit printing or scanning. " "Remove the roll paper if loaded. " "When an error message appears on the screen or status lights indicate an error, solve the problem. " "Note: There might be an error regarding the consumables such as ink supply units. " "Remove the memory card. " "If the problem is not solved, close the Web browser and then launch it. "	This message is shown when the printer cannot update the firmware. × icon is shown in front of "Cannot update the firmware. ". "Remove the roll paper if loaded. " is shown on destinations with Roll Paper Feed.
"The operation failed. " "Another computer may be communicating with the product. "	This message is shown when another computer may be communicating with the product. × icon is shown in front of "The operation failed. ".
"Cannot update the firmware. " "Low battery. Connect to a power source. "	This message is shown when cannot be executed because the power is not connected and the battery level is low. × icon is shown in front of "Cannot update the firmware. ".

9.6.5.3 Button

Table 9-25 Button

Items	Description
"Back to Main"	The button to main page.

9.7 Advanced Setting Link

Display Product Status of Status Tab when this button is pushed.

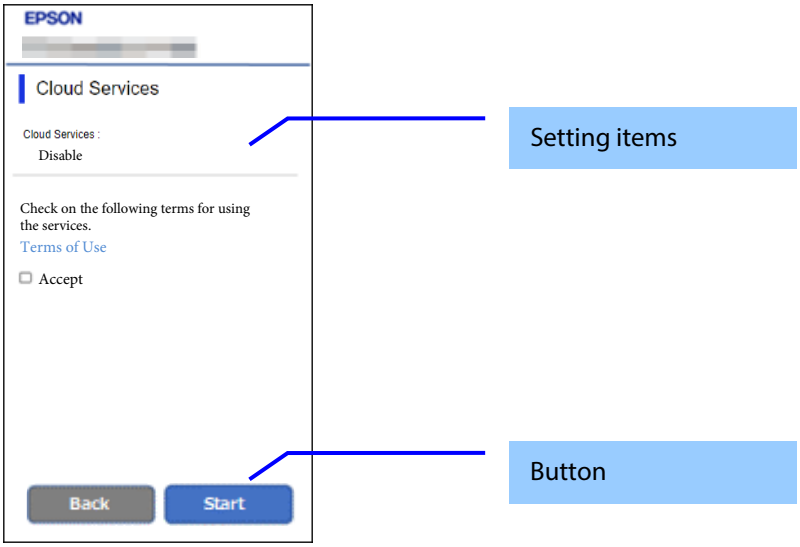
9.8 Cloud Services

May not appear, depending on the version of the product firmware.

9.8.1 Top page

9.8.1.1 Cloud Services Disabled State

9.8.1.1.1 Image



9.8.1.1.2 Setting items

Table 9-26 Setting items

Items	Description	Condition
"Cloud Services"	Displays whether it is possible to connect to Cloud Services. "Enable" / "Disable"	-
"Check on the following terms for using the services. "	Fixed String	-
"Terms of Use"	If you click "Terms of Use", the Web Config accesses the following link in another window. *https://pos-cloud-link.epson.com/documents/license.html*	-
"Accept"	Check box. When this item is checked, the "OK" button is enabled.	-

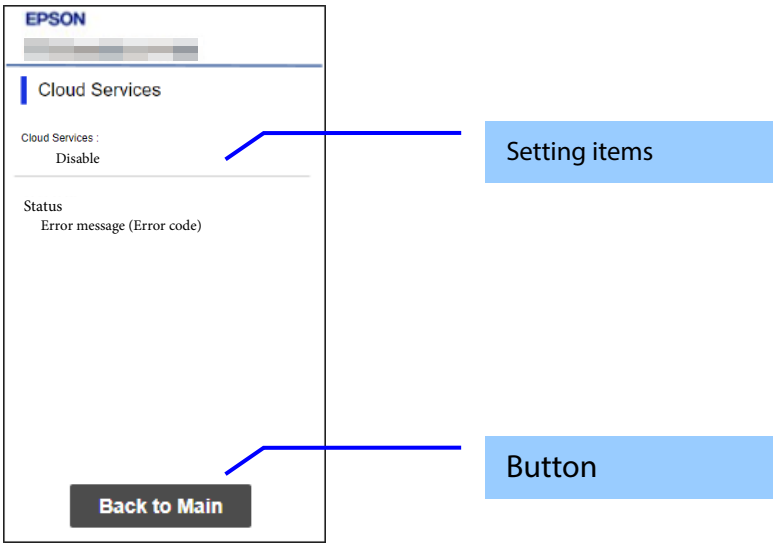
9.8.1.1.3 Button

Table 9-27 Button

Items	Description	Condition
"Start"	Starts processing to enable Cloud Services connection.	-
"Back"	Use this button to move to main page.	-

9.8.1.2 Cloud Services Enable State

9.8.1.2.1 Image



9.8.1.2.2 Setting items

Table 9-28 Setting items

Items	Description	Condition
"Cloud Services"	Displays whether it is possible to connect to Cloud Services. "Enable" / "Disable"	-
"Status"	Displays the connection status of cloud services. "Connection test was successful. " / Displays error details.	Error details are displayed when cloud service connection is enabled but not connected.

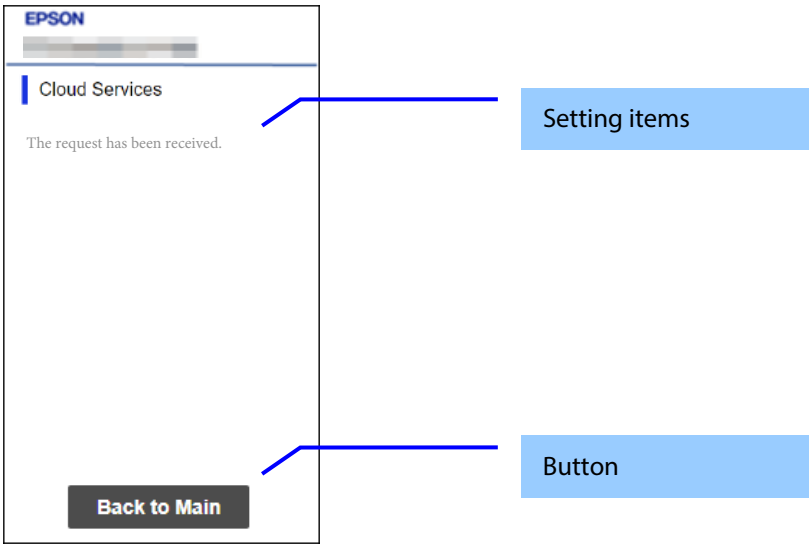
9.8.1.2.3 Button

Table 9-29 Button

Items	Description	Condition
"Back to Main"	Main Page is displayed.	-

9.8.1.3 Cloud Services Changing State

9.8.1.3.1 Image



9.8.1.3.2 Setting items

Table 9-30 Setting items

Items	Description	Condition
"The request has been received. "	Displayed when accessing the TOP page after being redirected to the PIN code input page on the Cloud Services connection page before the connection is enabled. At this time, the PIN code input screen is also displayed on another tab.	-

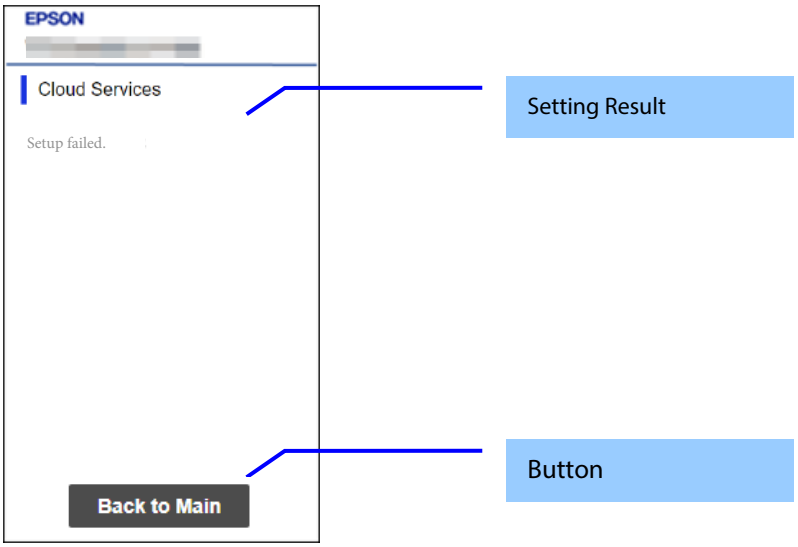
9.8.1.3.3 Button

Table 9-31 Button

Items	Description	Condition
"Back to Main"	Main Page is displayed.	-

9.8.2 Result page

9.8.2.1 Image



9.8.2.2 Setting Result

Table 9-32 Setting Result

Items	Description	Condition
The request has been received.	Displayed when the setting is successful and the Cloud Services PIN code input screen is displayed in a separate tab.	-
"Setup failed. "	This text is shown if setup failed.	-
"Cannot execute because the product is in use. "	This message is shown when the setting is unavailable because the product is in use.	Display additional error details when setting fails.
"There is a problem with the network device or it is difficult to access to the server. "	Displayed when setting fails due to a network error.	Display additional error details when setting fails.
"This printer is not registered with cloud services. "	Displayed when the product is not registered inCloud Services.	Display additional error details when setting fails.

9.8.2.3 Button

Table 9-33 Button

Items	Description	Condition
"Back to Main"	Main Page is displayed.	-

10. Display or setting page

10.1 Status

10.1.1 Product Status

10.1.1.1 Top page

10.1.1.1.1 Image

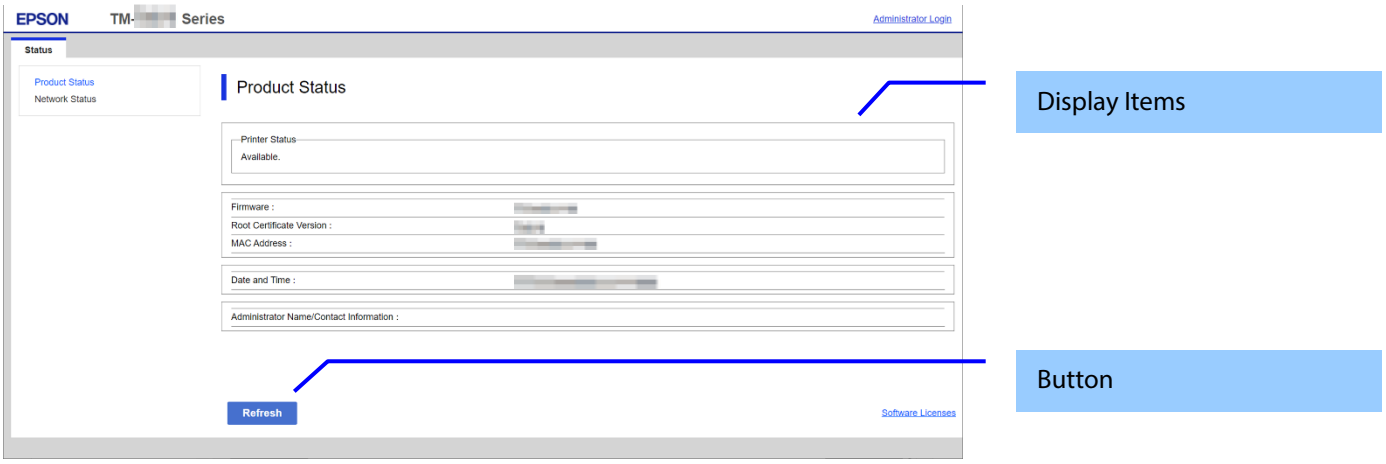


Figure 10-1 Product Status

10.1.1.1.2 Display items

10.1.1.1.2.1 Display language setting

The language specification is in accordance with Section 4 Language. When a language is selected, it is applied immediately and the page changes based on the selected language.

10.1.1.1.2.2 Status Information

One of the following messages is displayed in the printer status area, if the device has print function.
If anything other than “Available” or “Busy” is displayed, a link to a Panel Snapshot is shown under the message.

Table 10-1 Printer Status

Items	Description
“Available.”	This message is shown when the printer is ready to use.
“Paper out.”	This message is shown when the printer is out of paper.
“Paper jam.”	This message is shown when the printer has a paper jam.
“An error has occurred. Please confirm the indicator or message on the product.”	This message is shown when the printer cannot be used because of an error that is not due to mechanical failure.
“Printer error. Turn the power off and on again. For details, see your documentation.”	This message is shown when some other fatal printer error occurs. If an error code is assigned, the error code is shown right behind the message.

In the scanner status area, either of the following messages is shown, if the product doesn’t have print function.
“Available.” “Busy. ” When outside is indicated, a link to a Panel Snapshot is indicated under the message.

Table 10-2 Scanner Status

Items	Description	Condition
“Available.”	This message is shown when the scanner is ready to use.	-
“Paper jam. Remove the jammed paper in the Automatic Document Feeder (ADF)”	This message is shown when the scanner is in paper-jam condition.	-
“Incorrect size documents have been placed in the Automatic Document Feeder (ADF). Remove the documents.”	This message is shown when the scanner is in ADF paper size error condition.	-
“Double feed has occurred.”	This message is shown when the scanner is in double feed error condition.	-
“The number of scans is close to the Life Cycle of the rollers.”	This message is shown when consumable roller should be replaced.	-Only consumable roller support printers.

“The number of scans exceeds the Life Cycle of the rollers.”	This message is shown when consumable roller must be replaced.	-Only consumable roller support printers.
“Unavailable. Check [Hardware Status].”	This message is shown when the scanner has some error due to the mechanical failure and is unable to use.	-
“An error has occurred. Please confirm the indicator or message on the product.”	This message is shown when the status is other than those above.(This error does not occur in the product.)	-

One of the following messages is shown in the hardware status area.

Table 10-3 Hardware Status

Items	Description
“Scanner is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only Scanner is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Fax is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only Fax is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Fax(G3-1) is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only G3-1 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Fax(G3-1) : It can not be used with the current firmware. Please update the firmware.” “Panel Snapshot”	This message is shown when only G3-1 can not be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
“Fax(G3-2) is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only G3-2 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Fax(G3-2) : It can not be used with the current firmware. Please update the firmware.” “Panel Snapshot”	This message is shown when only G3-2 can not be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
“Fax(G3-3) is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only G3-3 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Fax(G3-3) : It can not be used with the current firmware. Please update the firmware.” “Panel Snapshot”	This message is shown when only G3-3 can not be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
“Fax(G3-4) is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only G3-4 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Fax(G3-4) : It can not be used with the current firmware. Please update the firmware.” “Panel Snapshot”	This message is shown when only G3-4 can not be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
“Wi-Fi is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only Wi-Fi is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is displayed.
“Memory card slot is out of order. Contact Epson Support.” “Panel Snapshot”	This message is shown when only memory card slot is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Built-in SD card is out of order. Contact Epson Support.” “Panel Snapshot”	This message is shown when only Built-in SD card is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“TPM is out of order. Contact Epson Support.” “If you have not backed up the device data encryption key, back up the key.” “To continue using the printer without exchanging the TPM, disable device data encryption.” “Panel Snapshot”	This message is shown when only TPM is out of order and encryption function is enabled. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“TPM is out of order. Contact Epson Support.” “Device data encryption can not be enabled.” “Panel Snapshot”	This message is shown when only TPM is out of order and encryption function is disabled. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.

“HDD error. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only standard equipped HDD or CE option HDD is abnormal. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Option HDD error. Contact Epson Support.” “Panel Snapshot”	This message is shown when only user option HDD is abnormal. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Option HDD cannot be used because there is a problem with the printer. Contact Epson Support.” “Panel Snapshot”	This message is shown when only the sub board is out of order and user option HDD cannot be used. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“PDL board is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only PDL board is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“PS board is out of order. Contact Epson Support.” “Panel Snapshot”	This message is shown when the device has PS board as standard and PS board is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“There is a problem with PS board. Reset PS board after shut down and pull out the outlet. If the device can not be recovered, contact Epson Support.” “Panel Snapshot”	This message is shown when the device has PS board optionally and PS board is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Cassette1 is out of order. Contact Epson Support. “ “Panel Snapshot”	For printers other than model LP, this message is shown when only Cassette1 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Cassette2 is out of order. Contact Epson Support. “ “Panel Snapshot”	For printers other than model LP, this message is shown when only Cassette2 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Cassette3 is out of order. Please contact Epson Support. “ “Panel Snapshot”	For printers other than model LP, this message is shown when only Cassette3 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Cassette4 is out of order. Contact Epson Support. “ “Panel Snapshot”	For printers other than model LP, this message is shown when only Cassette4 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“NFC is out of order. Contact Epson Support. “ “Panel Snapshot”	This message is shown when only NFC module is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Additional Network is out of order. Please contact Epson Support. “ “Panel Snapshot”	This message is shown when only Additional Network module is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
“Additional Network : Update the firmware because this feature does not work in the current version.” “Panel Snapshot”	This message is shown when only Additional Network can not be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
“There are problems with x parts of the hardware. Contact Epson Support. (Detail)” “Panel Snapshot”	This message is shown when there is an abnormality in more than one type of hardware. ‘x’ indicates the number of failures. The string is shown in red. This message provides a link to open the Hardware Status page in a separate tab. A link to a Panel Snapshot Page is displayed.
“There are problems with x parts of the hardware. (Detail)” “Panel Snapshot”	This message is shown when there is an abnormality in more than one type of hardware. ‘x’ indicates the number of failures. The string is shown in red. This message provides a link to open the Hardware Status page in a separate tab. A link to a Panel Snapshot Page is displayed.

JavaScript information and IP address conflict information are shown in the Other Status area.
When JavaScript is disabled in the web browser, both JavaScript information and IP address conflict information are shown if the device detects that the IP address (IPv4) assigned to the device is used by another device.

Table 10-4 Other Status

Items	Description
“Enable the browser's JavaScript setting.”	This message is shown when JavaScript is disabled in the web browser.
“xxx.xxx.xxx.xxx is already in use on the network.”	'xxx.xxx.xxx.xxx' indicates the IP address of the product. This message is shown if the device detects that the IP address (IPv4) assigned to the device is used by another device. If the same error screen is deleted from the panel display, this message will no longer be displayed.
“Invalid date and time.”	This message is shown when Date and Time are not set.
“The setting which is required restart has been changed. Turn the power off and on.”	This message is shown when a restart is required to apply the changes made to settings.
“Direct-XX-YYYYYY is already in use on the network.”	Shown when the Wi-Fi is used. 'Direct-XX-YYYYYY' indicates the IP address of the product. This message is shown if the device detects that the SSID assigned to the device is used by another device. If the same error screen is deleted from the panel display, this message will no longer be displayed.

10.1.1.1.2.3 Cloud Service related Information

Table 10-5 Cloud Services status

Items	Description	Condition
“Cloud Services”	Displays whether cloud service connection is enabled/disabled.	
“Status”	Displays the connection status of cloud services. If there is no connection, the error details and error code are also displayed.	

10.1.1.1.2.4 Device system Information

Table 10-6 Device system Information

Items	Description	Condition
“Firmware”	Shows the firmware version. Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZZ: Main version	-
“Root Certificate Version”	Shows the root certification version.	-
“Serial Number”	Shows the serial number.	For models that support the initial value for the administrator password, this is displayed only when the administrator is logged in.
“Network MAC Address”	Shows the MAC address of the network interface currently used (either wired LAN, wireless LAN (infrastructure), or wireless LAN (ad hoc)).	This item is displayed on model that support wireless functions.
“Wi-Fi Direct MAC Address”	Shows the MAC addresses of the Wi-Fi Direct interface if Wi-Fi Direct is enabled (both P2P Device Address and P2P Interface Address).	This item is displayed on model that support wireless functions.
“MAC Address”	Shows the MAC address of the network interface currently used (either wired LAN, wireless LAN (infrastructure), or Wi-Fi Direct).	This item is displayed on model that do not support wireless functions.

10.1.1.1.2.5 Date/Time Information

Table 10-7 Date/time Information

Items	Description	Condition
"Date and Time"	Shows the date and time when the page is opened. If "Date and Time" is not set, "Invalid date and time." is shown.	Displayed only for printers that support date and time settings.

10.1.1.1.2.6 Administrator Information

Table 10-8 Administrator Information

Items	Description
"Administrator Name/Contact Information"	Shows contact information (name, phone number, etc.) that the user of the printer can use.

10.1.1.1.2.7 Software Licenses

Web Config shows this page when the "Software Licenses" link is clicked. License information for OSS that the printer is using is displayed on this page.

10.1.1.1.3 Button

Table 10-9Button

Items	Description
"Refresh"	If pressed, updated information is shown on the top page.

10.1.2 Network Status

In the Confirm Network Settings, you can confirm the product's network settings.

10.1.2.1 Top page

10.1.2.1.1 Image

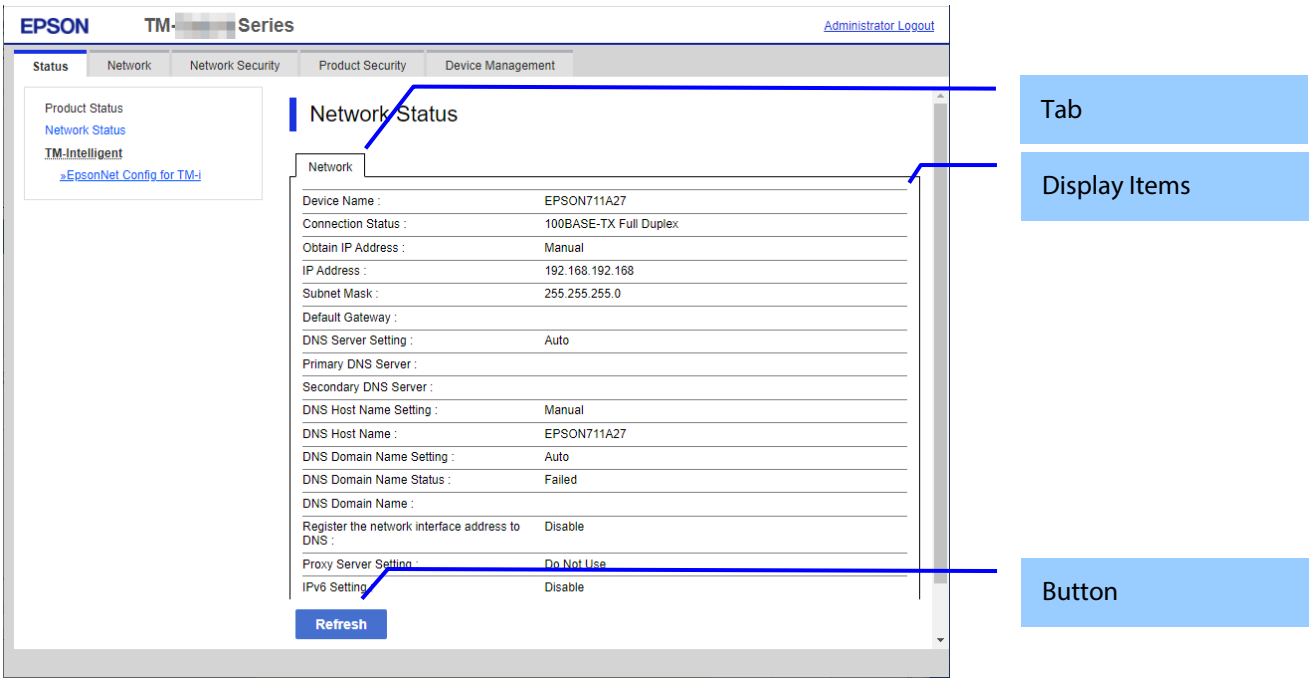


Figure 10-2 Network Status

10.1.2.1.2 Tab

"Network" and "Wi-Fi Direct" tabs are displayed on model that support wireless functions. You can switch between both sets of displayed information.

10.1.2.1.3 Display items

The following table shows the display items for both model that support wireless functions and model that do not support wireless functions.

Table 10-10 Displaying items (Network)

Items	Description	Condition
"Device Name"	Shows the name of the printer.	-
"Connection Status"	"Disconnect" /"10BASE-T Half Duplex" / "10BASE-T Full Duplex" / "100BASE-TX Half Duplex" / "100BASE-TX Full Duplex" / "1000BASE-T Full Duplex"/ "Unknown"	Shown when the wired LAN is used.
	"Wi-Fi Disconnected" / "Searching for Wi-Fi" / "W-Fi-xxxMbps" ("xx": "00" - "495") / "Unknown"	Shown when the Wi-Fi is used.
	"Disable"	Shown when both the wired LAN and the wireless LAN are disabled (only Wi-Fi Direct Mode is used).
"Signal Strength"	"Excellent" / "Good" / "Fair" / "No Good" / "Unknown"	Only shown when wireless LAN is used. Not shown while Wi-Fi Direct is used.
"Obtain IP Address"	"Auto" / "Manual"	Not shown when Connection Status is disabled.
"Set using BOOTP"	"Enable" / "Disable"	If "Obtain IP Address" is "Manual", this item is not shown.

“Set using Automatic Private IP Addressing”	“Enable” / “Disable”	If “Obtain IP Address” is “Manual”, this item is not shown.
“IP Address”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	Not shown when Connection Status is disabled.
“Subnet Mask”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
“Default Gateway”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
“DNS Server Setting”	“Auto” / “Manual”	Not shown when Connection Status is disable.
“Primary DNS Server”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimals	Not shown when Connection Status is disable.
“Secondary DNS Server”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
“DNS Host Name Setting”	“Auto” / “Manual”	Not shown when Connection Status is disable.
“ DNS Host Name Status”	“Unknown”/ “Successful” / “Failed”	Shown if the way of obtaining a DNS host name is auto. Not shown when Connection Status is disable .
“DNS Host Name”	Shows the DNS host name currently used.	Not shown when Connection Status is disable.
“DNS Domain Name Setting”	“Auto” / “Manual”	Not shown when Connection Status is disable.
“DNS Domain Name Status”	“Unknown”/ “Successful” / “Failed”“	Shown if the way of obtaining a DNS host name is auto. Not shown when Connection Status is disable.
“DNS Domain Name”	Shows the DNS domain name currently used.	Not shown when Connection Status is disable.
“Register the network interface address to DNS”	“Enable” / “Disable”	Not shown when Connection Status is disable.
“Proxy Server Setting”	“Do Not Use” / “Use”	Not shown when Connection Status is disable.
“Proxy Server”	Shows the proxy server address in the IP address or FQDN format. - IP address format “xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal - FQDN format ASCII (alphanumeric, dot, hyphen), 1-255 characters	Shown when the value for “Proxy Server Setting” is “Use”. Not shown when Connection Status is disable.
“Proxy Server Port Number”	Range of 0 - 65535 in decimals.	Shown when value of “Proxy Server Setting” is “Use”. Not shown when Connection Status is disable.
“Proxy Server User Name”	0 - 255 byte characters (range of 0x20 - 0x7E in ASCII codes)	Shown when value of “Proxy Server Setting” is “Use”. Not shown when Connection Status is disable.
“Proxy Server Password”	“Not Set” / “**********”	Shown when value of “Proxy Server Setting” is “Use”. Not shown when Connection Status is disable.
“IPv6 Setting”	“Enable” / “Disable”	Not shown when Connection Status is disable.
“IPv6 Privacy Extension”	“Enable” / “Disable”	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 DHCP Server Setting”	“Do Not Use” / “Use”	Shown if IPv6 is enabled. Not shown when Connection Status is disable.

“IPv6 Address”	Shows an IPv6 address default gateway.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Address Default Gateway”	Shows a valid IPv6 link-local address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Link-Local Address”	Shows a valid stateful IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Stateful Address “	Shows a valid stateless IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Stateless Address 1”	Shows a valid stateless IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Stateless Address 2”	Shows a valid stateless IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Stateless Address 3”	Shows an IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Primary DNS Server”	Shows an IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Secondary DNS Server”	Shows an IPv6 address default gateway.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“Wi-Fi Setup”	“AOSS” / “WPS” / “Manual” / “Wi-Fi Auto Connect” / “Epson iPrint”	Shown if wireless LAN is used. Not shown when Connection Status is disable.
“Wi-Fi Mode”	“IEEE802.11b” / “IEEE802.11g” / “IEEE802.11b/g” / “IEEE802.11b/g/n”/ “IEEE802.11a/n/ac”	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
“SSID”	1 - 32 characters Alphanumeric and sign characters	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
“Channel”	- Not equipped with Wi-Fi chip Range of “1” - “13” - Equipped with Wi-Fi chip 2.4GHz Range of “1” - “13” 5GHz “36”/”40”/”44”/”48”/”52”/”56”/”60”/”64”/”100”/”104”/”108”/”112”/”116”/”120”/”124”/”128”/”132”/”136”/”140”/”149”/”153”/”157”/”161”/”165”	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
“Security Level”	“None” /”WEP-64bit(40bit)” /”WEP-128bit(104bit)” / “WPA-PSK(TKIP)” /”WPA2-PSK(AES)” / “WPA2/WPA3-Enterprise” / “WPA3-SAE(AES)”	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
“Password”	“Not Set” / “**********”	Shown if wireless LAN is used and Security Level is not WPA2/WPA3-Enterprise. Not shown when Connection Status is disable.
“MAC Address”	“XX:XX:XX:XX:XX:XX” X: 0 - F in hexadecimal	Not shown when Connection Status is disable.

Table 10-11 Display Items (Wi-Fi Direct)

Items	Description	Condition
"Device Name"	Shows the printer name currently used.	-
"Connection Method"	"Not Set"/"Simple AP"	-
"IP Address"	"Auto"/"Manual" and IP address are displayed. The IP address is in the following format: "xxx.xxx.xxx.xxx". xxx: 0 - 255 in decimals	Shown if "Connection Method" is not "Not Set"
"Subnet Mask"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Shown if "Connection Method" is not "Not Set"
"Default Gateway"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Shown if "Connection Method" is not "Not Set"
"The number of connected devices"	- Not equipped with Wi-Fi chip Range of "0" - "4" - Equipped with Wi-Fi chip Range of "0" - "8"	Shown if "Connection Method" is not "Simple AP".
"SSID"	1 - 32 characters (alphanumeric characters and marks)	Shown if "Connection Method" is not "Not Set"
"Channel"	- If it is not equipped with Wi-Fi chip. Range of "1" - "13" - If it is equipped with Wi-Fi chip. 2.4GHz Range of "1" - "13" 5GHz "36"/"40"/"44"/"48"/"52"/"56"/"60"/"64"/"100"/"104"/"108"/"112"/"116"/"120"/"124"/"128"/"132"/"136"/"140"/"149"/"153"/"157"/"161"/"165"	Shown if "Connection Method" is not "Not Set"
"Security Level"	"WPA2-PSK(AES)" only	Shown if "Connection Method" is not "Not Set"
"Password"	"**********"	Shown if "Connection Method" is not "Not Set"
"MAC Address"	"XX:XX:XX:XX:XX:XX" X: Range of "0" - "F" in hexadecimal	Shown if "Connection Method" is not "Not Set"

Table 10-12 Display items (Not supporting wireless functions)

Items	Description	Condition
“Device Name”	Shows the printer name currently used.	-
“Connection Status”	“Disconnect” /”10BASE-T, Half Duplex” / “10BASE-T, Full Duplex” / “100BASE-TX, Half Duplex” / “100BASE-TX, Full Duplex”/ “1000BASE-T, Full duplex”/ “Unknown”	Shown when the wired LAN is used.
	“Wi-Fi Disconnected” / “Searching for Wi-Fi” / “W-Fi-xxxMbps” (“xxx”: “00” - “495”) / “Unknown”	Shown when the wi-fi is used.
“Signal Strength”	“Excellent” / “Good” / “Fair” / “No Good” / “Unknown”	Only shown when wireless LAN is used. Not shown while Wi-Fi Direct is used.
“Obtain IP Address”	“Auto” / “Manual”	-
“Set using BOOTP”	“Enable” / “Disable”	- If “Obtain IP Address” is “Manual”, this item is not shown.
“Set using Automatic Private IP Addressing (APIPA)”	“Enable” / “Disable”	- If “Obtain IP Address” is “Manual”, this item is not shown.
“IP Address”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	-
“Subnet Mask”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	-
“Default Gateway”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	-
“DNS Server Setting”	“Auto” / “Manual”	-
“Primary DNS Server”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	-
“Secondary DNS Server”	“xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal	-
“Way of obtaining DNS Host Name”	“Auto” / “Manual”	-
“ DNS Host Name Status”	“Unknown”/ “Successful” / “Failed”	Shown if the way of obtaining a DNS host name is auto.
“DNS Host Name”	Shows the DNS host name currently used.	-
“Way of obtaining DNS Domain Name”	“Auto” / “Manual”	-
“DNS Domain Name Status”	“Unknown”/ “Successful” / “Failed”“	Shown if the way of obtaining a DNS host name is auto.
“State of DNS Domain Name obtained automatically”	Shows the DNS domain name currently used.	-
“Proxy Server Setting”	“Do Not Use” / “Use”	-
“Proxy Server”	Shows the proxy server name in the IP address or FQDN format. - IP address format “xxx.xxx.xxx.xxx” xxx: 0 - 255 in decimal - FQDN format ASCII (alphanumeric, dot, hyphen), 1-255 characters	Shown when the value for “Proxy Server Setting” is “Use”.
“Proxy Server Port Number”	Range of “0” - 65535” in decimal	Shown when the value for “Proxy Server Setting” is “Use”.
“Proxy Server User Name”	0 - 256byte alphanumeric characters ASCII 0x20 - 0x7E	Shown when value of “Proxy Server Setting” is “Use”.
“Proxy Server Password”	“Not Set” / “**********”	Shown when value of “Proxy Server Setting” is “Use”.
“IPv6 Setting”	“Enable” / “Disable”	-
“IPv6 Anonymous Address”	“Enable” / “Disable”	Shown if the IPv6 Setting is used.
“IPv6 DHCP Server Setting”	“Do Not Use” / “Use”	Shown if IPv6 is enabled. Not shown if the DHCPv6 function is not supported.
“IPv6 Address”	Shows an IPv6 address.	Shown if the IPv6 Setting is used.
“IPv6 Address Default Gateway”	Shows an IPv6 address.	Shown if the IPv6 Setting is used.
“IPv6 Link-Local Address”	Shows a valid IPv6 link-local address	Shown if the IPv6 Setting is used.

“IPv6 Stateful Address “	Shows a valid stateful IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
“IPv6 Stateless Address 1”	Shows an IPv6 stateless address	Shown if the IPv6 Setting is used.
“IPv6 Stateless Address 2”	Shows an IPv6 stateless address	Shown if the IPv6 Setting is used.
“IPv6 Stateless Address 3”	Shows an IPv6 stateless address	Shown if the IPv6 Setting is used.
“IPv6 Primary DNS Server”	Shows an IPv6 address	Shown if the IPv6 Setting is used.
“IPv6 Secondary DNS Server”	Shows an IPv6 address	Shown if the IPv6 Setting is used.
“Wi-Fi Setup”	“AOSS” / “WPS” / “Wi-Fi Direct” / “ Manual” / “Wi-Fi Auto Connect” / “Epson iPrint”	Shown if the wireless LAN is used.
“Wi-Fi Mode”	“IEEE802.11b” / “IEEE802.11g” / “IEEE802.11b/g” / “IEEE802.11b/g/n”	Shown if the wireless LAN is used.
“The number of connected devices”	Range of 0 to 4 in decimals	Shown if the Simple AP Mode is enabled.
“SSID”	1~32 characters Alphanumeric and sign characters	Shown if the wireless LAN is used.
“Channel”	Range of “1” - “13”	Shown if the wireless LAN is used.
“Security Level”	“None” /”WEP-64bit(40bit)” /”WEP-128bit(104bit)” / “WPA-PSK(TKIP)” /”WPA2-PSK(AES)” / “WPA2/WPA3-Enterprise” / “WPA3-SAE(AES)”	Shown if the wireless LAN is used.
“Password”	“Not Set” / “**********”	Shown if wireless LAN is used and Security Level is not WPA2-Enterprise.
“MAC Address”	“XX:XX:XX:XX:XX:XX” X: Range of “0” - “F” in hexadecimal	-

10.1.2.1.4 Button

Table 10-13Button

Items	Description
“Refresh”	If pressed, updated information is shown on the top page.

10.1.3 TM-Intelligent

Allows links to TM-i.

10.1.3.1 Top page

Open TM-i settings page in a new tab by clicking a menu item.

10.1.3.1.1 Image

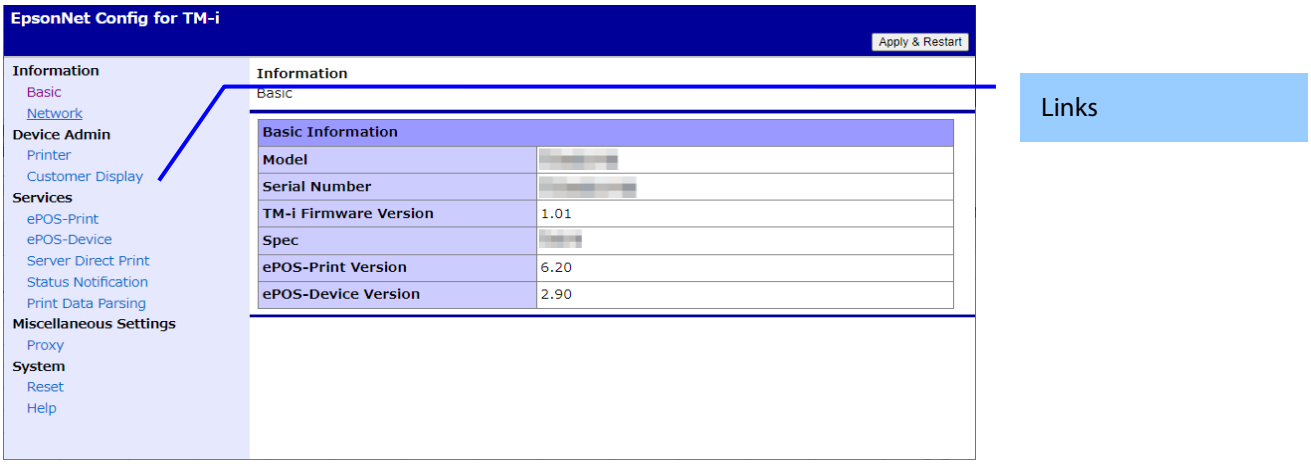


Figure 10-3 Top page

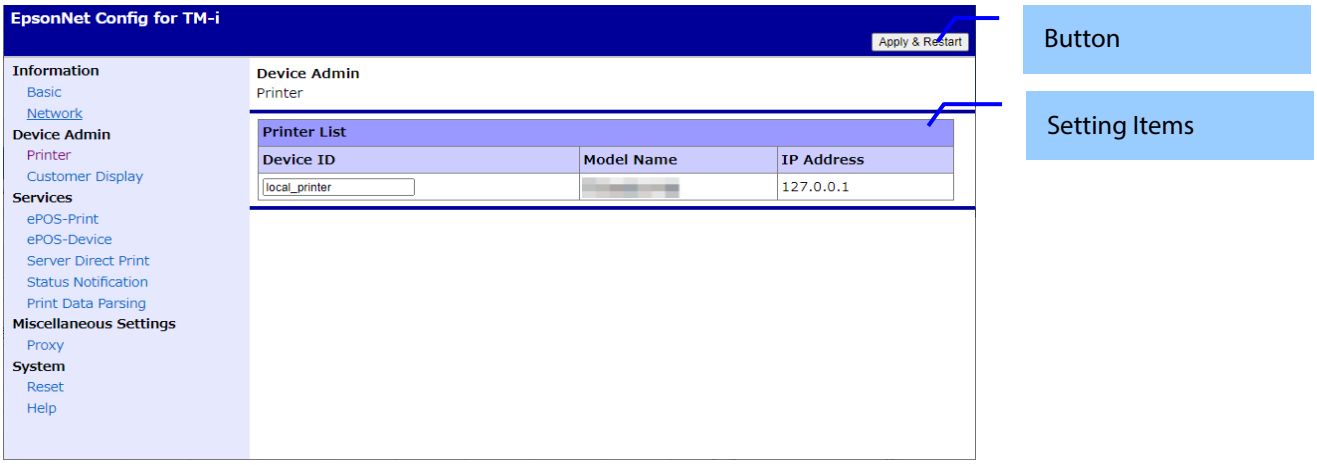
10.1.3.1.2 Setting Items

The following table shows TM-i setting items on the EpsonNet Config for TM-i Setup.

10.1.3.2 Device Admin - Printer

Open TM-i settings page in a new tab by clicking a menu item.

10.1.3.2.1 Image



10.1.3.2.2 Setting Items

The following table shows TM-i setting items on the Device Admin - Printer.

Table 10-14 Setting Items

Items	Description
Device ID	Set the ID for the controlled printer. (Any character string) The initial value for the device ID for the printer equipped in this product is “local_printer”.
Model Name	Displays the printer model name.
IP Address	Displays the printer IP address.

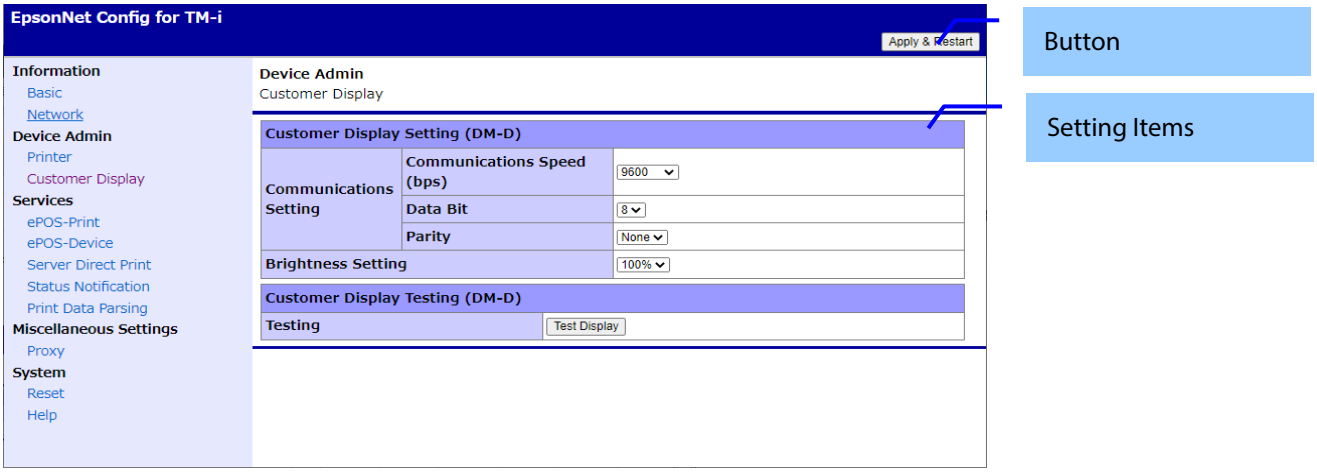
10.1.3.2.3 Button

Table 10-15 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.3 Device Admin - Customer Display

10.1.3.3.1 Image



10.1.3.3.2 Setting Items

The following table shows TM-i setting items on the Device Admin - Customer Display.

Table 10-16 Setting Items

Items	Description
Communications Speed (bps)	Set the communication speed.
Data Bit	Set the data bit.
Parity	Set the parity.
Brightness Setting	Set the brightness of the customer display in percentages. You can set 20%, 40%, 60%, or 100%. The maximum brightness is 100%.

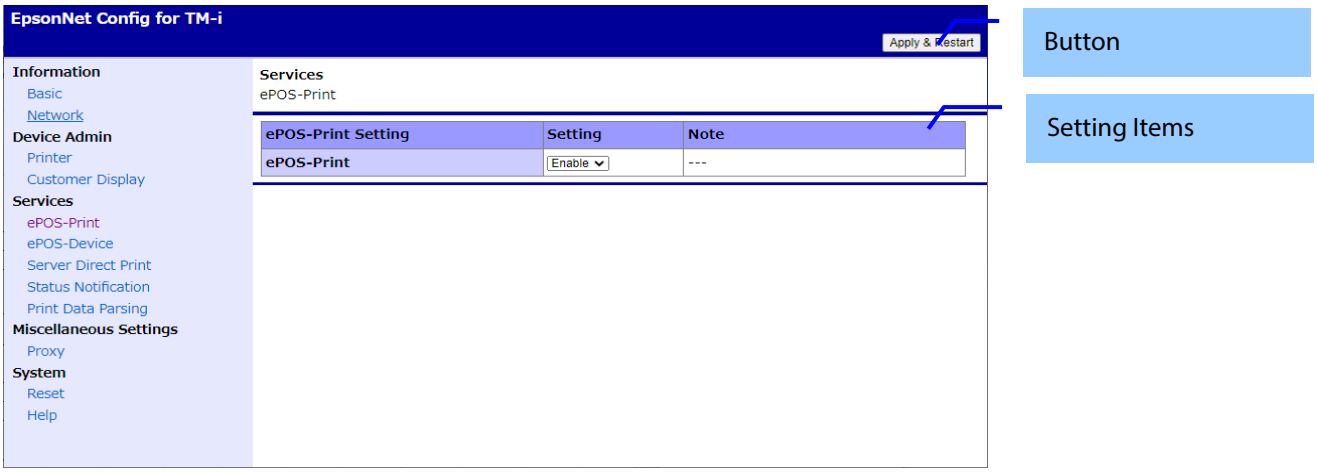
10.1.3.3.3 Button

Table 10-17 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.
Testing	Displays a test. Characters appear on the customer display.

10.1.3.4 Services - ePOS-Print

10.1.3.4.1 Image



10.1.3.4.2 Setting Items

The following table shows TM-i setting items on the Services - ePOS-Print.

Table 10-18 Setting Items

Items	Description
ePOS-Print	Specifies whether to enable or disable the ePOS-Print.

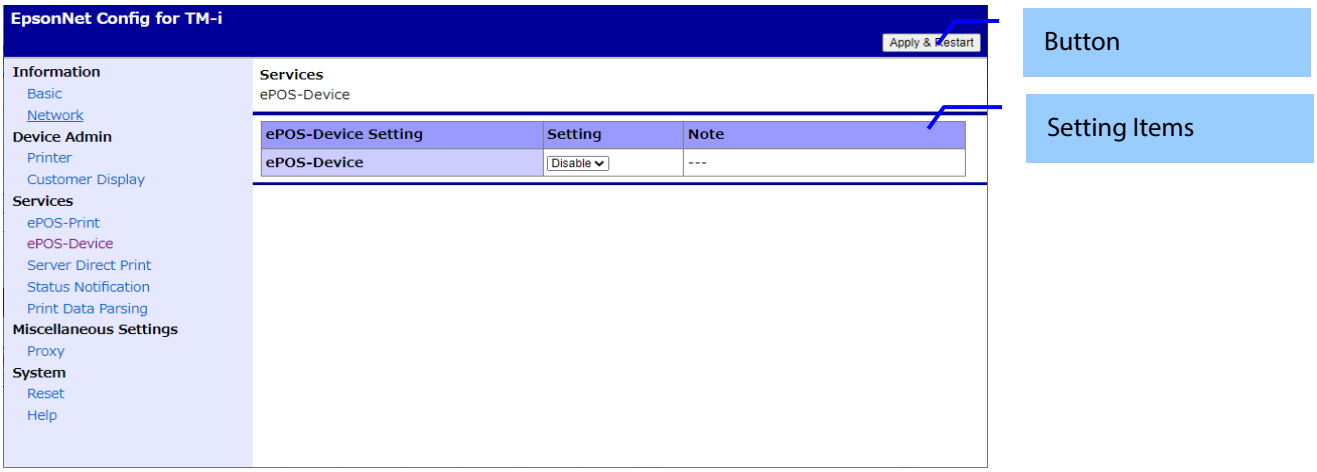
10.1.3.4.3 Button

Table 10-19 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.5 Services - ePOS-Device

10.1.3.5.1 Image



10.1.3.5.2 Setting Items

The following table shows TM-i setting items on the ePOS-Device.

Table 10-20 Setting Items

Items	Description
ePOS-Device	Specifies whether to enable or disable the ePOS-Device .

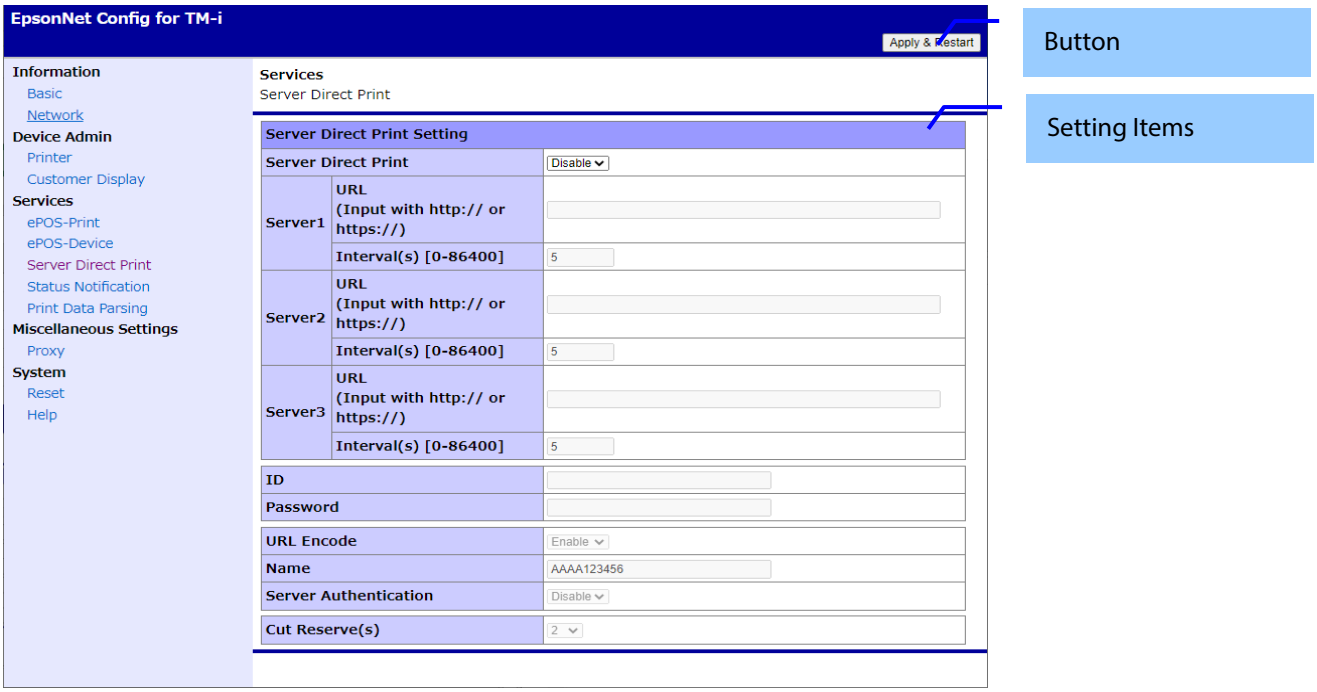
10.1.3.5.3 Button

Table 10-21 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.6 Services - Server Direct Print

10.1.3.6.1 Image



10.1.3.6.2 Setting Items

The following table shows TM-i setting items on the Server Direct Print.

Table 10-22 Setting Items

Items	Description
Server Direct Print	Specifies whether to enable or disable the server direct print.
URL (Input with http:// or https://)	Specifies the Web server URL and the application path.
Interval(s) [1-86400]	Specify the standby time between completion of status notification and issue of the next notification.
ID	Enter the ID.
Password	Set your password used for Digest access authentication.
URL Encode	Specifies whether to enable or disable the URL encode.
Name	This value is the Name parameter value included in a POST request to the Web server.
Server Authentication	Specifies whether to enable or disable the server authentication.

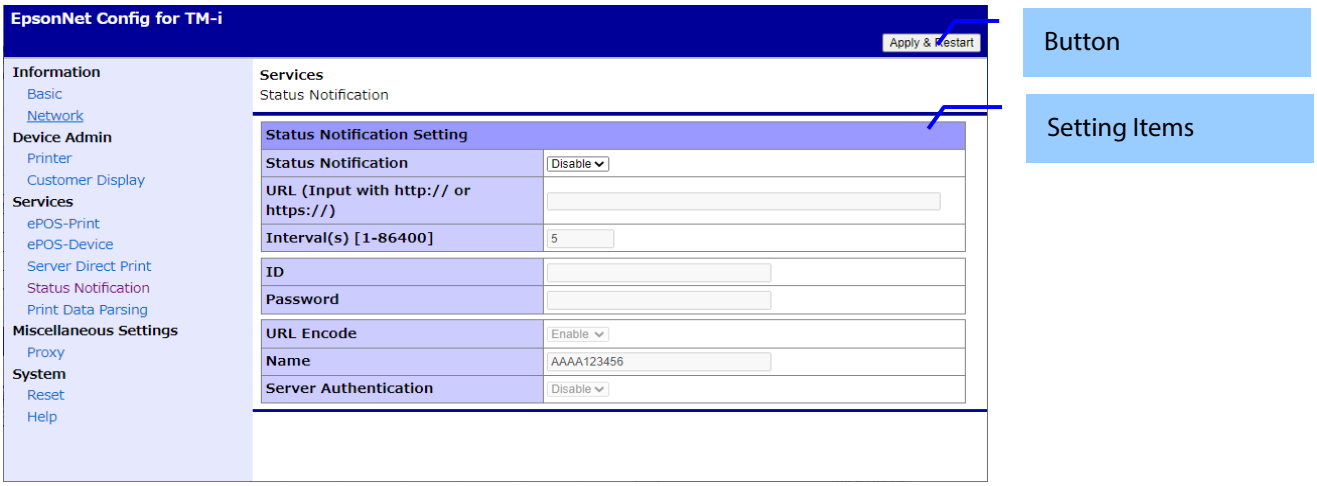
10.1.3.6.3 Button

Table 10-23 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.7 Services - Status Notification

10.1.3.7.1 Image



10.1.3.7.2 Setting Items

The following table shows TM-i setting items on the Status Notification.

Table 10-24 Setting Items

Items	Description
Status Notification	Specifies whether to enable or disable the status notification.
URL (Input with http:// or https://)	Specifies the Web server URL and the application path.
Interval(s) [1-86400]	Specify the standby time between completion of status notification and issue of the next notification.
ID	Enter the ID.
Password	Set your password used for Digest access authentication.
URL Encode	Specifies whether to enable or disable the URL encode.
Name	This value is the Name parameter value included in a POST request to the Web server.
Server Authentication	Specifies whether to enable or disable the server authentication.

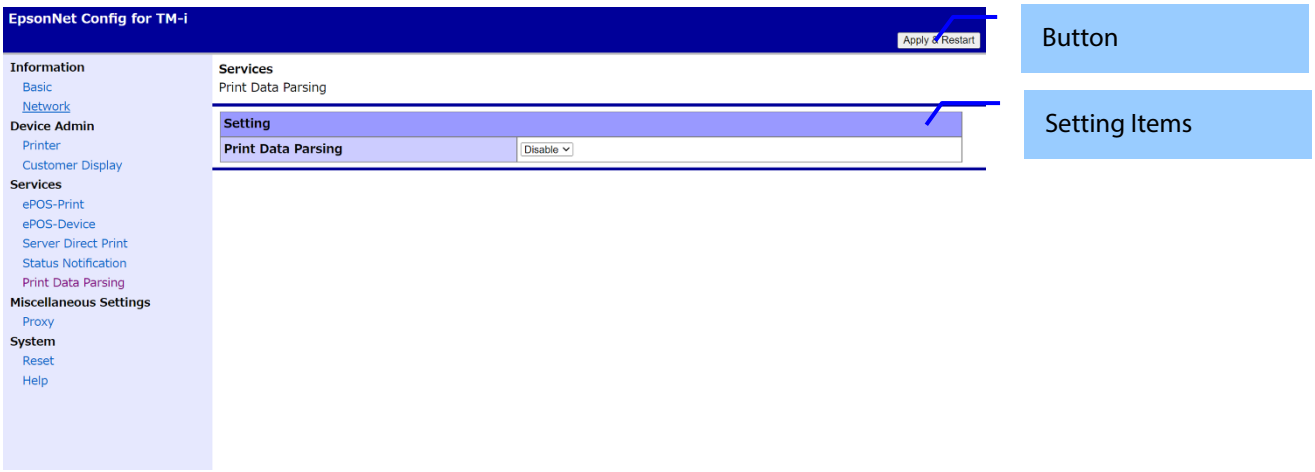
10.1.3.7.3 Button

Table 10-25 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.8 Services - Print Data Parsing

10.1.3.8.1 Image



10.1.3.8.2 Setting Items

The following table shows TM-i setting items on the Print Data Parsing.

Table 10-26 Setting Items

Items	Description
Print Data Parsing	Specifies whether to enable or disable the print data parsing.

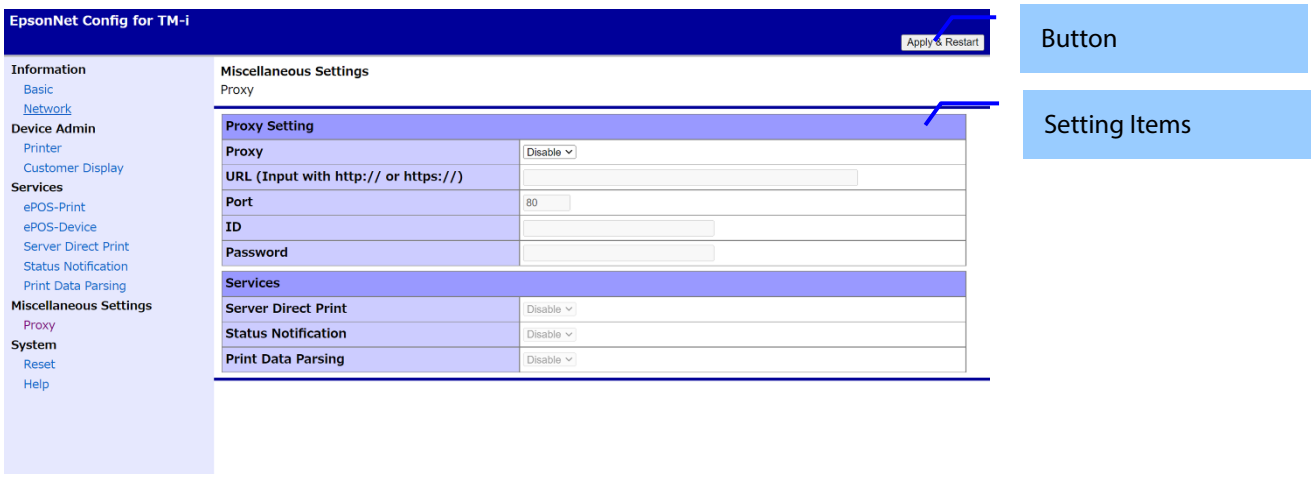
10.1.3.8.3 Button

Table 10-27 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.9 Miscellaneous Settings - Proxy

10.1.3.9.1 Image



10.1.3.9.2 Setting Items

The following table shows TM-i setting items on the Proxy.

Table 10-28 Setting Items

Items	Description
Proxy	Specifies whether to enable or disable the proxy.
URL (Input with http:// or https://)	Input the URL for the proxy server in use.
Port	Input the port number for the proxy server in use.
ID	Register the ID for proxy authentication.
Password	Register the password for proxy authentication.
Server Direct Print	Specifies whether to enable or disable the server direct print.
Status Notification	Specifies whether to enable or disable the status notification.
Print Data Parsing	Specifies whether to enable or disable the print data parsing.

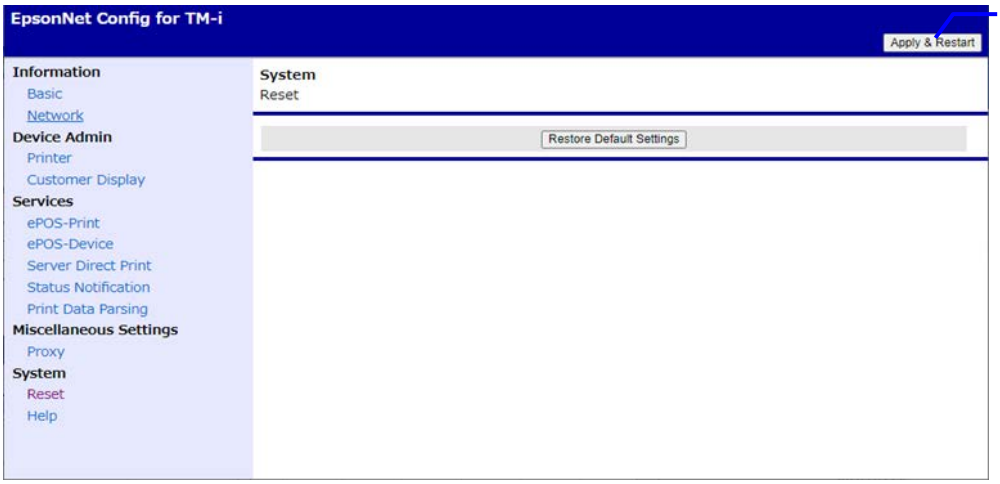
10.1.3.9.3 Button

Table 10-29 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.1.3.10 System - Reset

10.1.3.10.1 Image



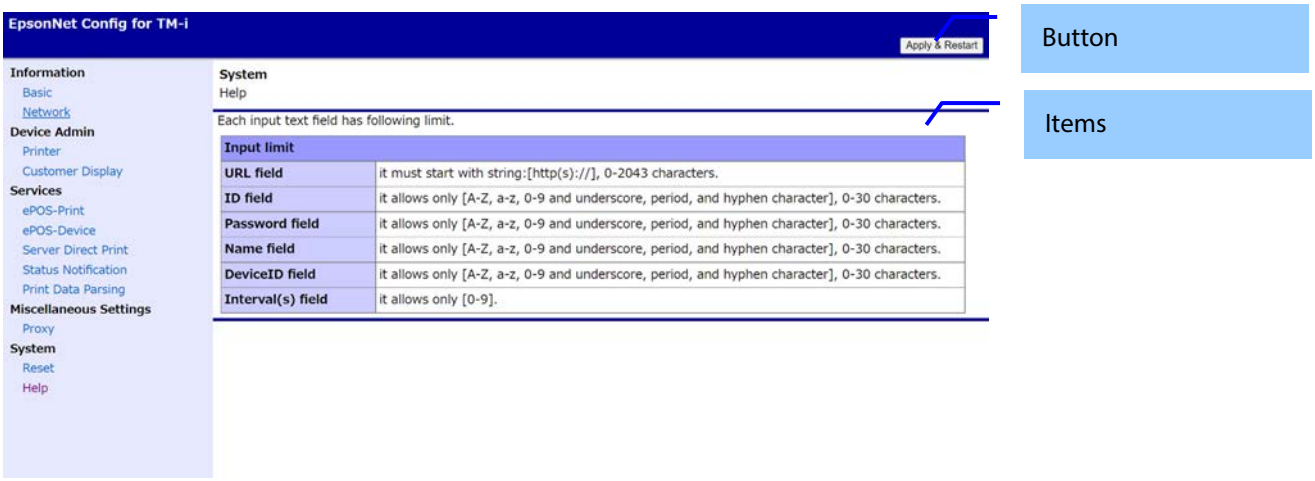
10.1.3.10.2 Button

Table 10-30 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.
Restore Default Settings	Restores the default settings.

10.1.3.11 System - Help

10.1.3.11.1 Image



10.1.3.11.2 Items

Table 10-31 Items

Items	Description
URL field	it must start with string:[http(s)://], 0-2043 characters.
ID field	it allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters.
Password field	it allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters.
Name field	it allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters.
DeviceID field	it allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters.
Interval(s) field	it allows only [0-9].

10.1.3.11.3 Button

Table 10-32 Button

Items	Description
Apply & Restart	Applies the settings and restarts the printer.

10.2 Network

10.2.1 Network Basic

10.2.1.1 Top page

10.2.1.1.1 Image

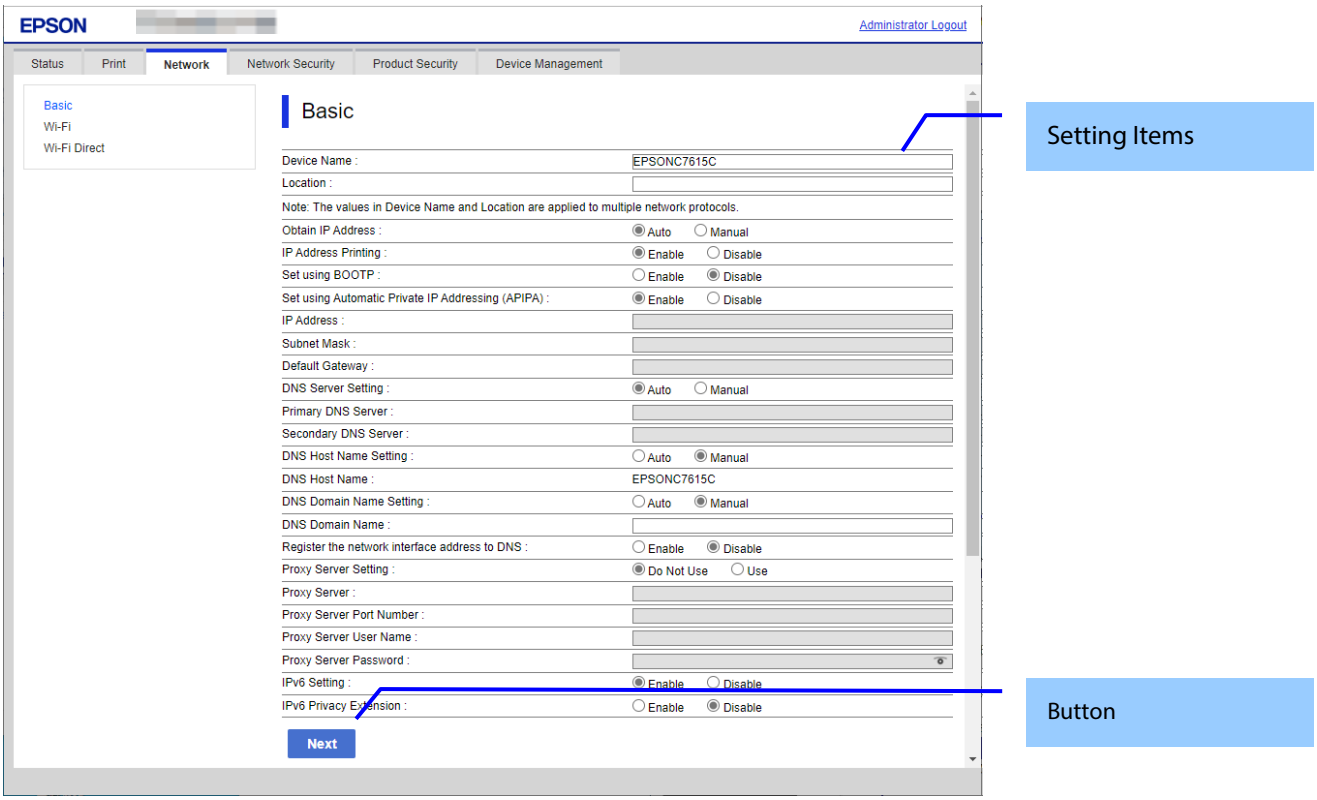


Figure 10-4 Top page

10.2.1.1.2 Setting Items

The following table shows the network setting items in Wi-Fi/Network Setup.

Table 10-33 Setting Items

Items	Description	Condition
“Device Name”	A text box is provided. The string must have 2 to 15 characters and contain “A”~”Z”, “a”~”z”, “0”~”9” , and “-”. (Spaces are not allowed.) The leading character must be “A”~”Z” or “a”~”z”. (“0”~”9” and “-” are not allowed.) The final character must be “A”~”Z” , “a”~”z” or “0”~”9”. (“-” is not allowed.)	-
“Location”	A text box is provided. The string must be UTF-8 characters up to 127 bytes.	-
“Note: The values in Device Name and Location are applied to multiple network protocols.”	Notes for “Printer Name” and “Location”	-
“Obtain IP Address”	Two radio buttons are provided to choose one of the following: “Auto” / “Manual”	-
“IP Address Printing”	Two radio buttons are provided to choose one of the following: “Enable” / “ Disable “	This item is displayed only for models that support the IP Address Printing.
“Set using BOOTP”	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	- If “Obtain IP Address” is “Manual”, this item is grayed-out. This item is not displayed on CIJ.

“Set using Automatic Private IP Addressing (APIPA)”	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	- If “Obtain IP Address” is “Manual”, this item is grayed-out. This item is not displayed on CIJ.
“IP Address”	A text box is provided. Format: “xxx.xxx.xxx.xxx” “xxx”: “0”~”255” in decimals. The following addresses can not be set. “0.0.0.0”~”0.255.255.255.255” Loopback address(“127.0.0.0”~”127.255.255.255”) Class D address(“224.0.0.0”~”239.255.255.255”) Class E address(“240.0.0.0”~”255.255.255.255”) Directed broadcast address(“255.255.255.255”)	- If “Obtain IP Address” is “Auto”, this item is grayed-out.
“Subnet Mask”	A text box is provided. Format: “xxx.xxx.xxx.xxx” “xxx”: “0”~”255” in decimals. The following addresses can not be set. Discontinuous mask bit (Ex: “255.254.128.0”) 0.0.0.0 255.255.255.254 255.255.255.255	- If “Obtain IP Address” is “Auto”, this item is grayed-out.
“Default Gateway”	A text box is provided. Format: “xxx.xxx.xxx.xxx” “xxx”: “0”~”255” in decimals. The following addresses can not be set. “0.0.0.0” (The display is blank if this value is set.) The following addresses can not be set. “0.0.0.1”~”0.255.255.255.255” Loopback address(“127.0.0.0”~”127.255.255.255”) Class D address(“224.0.0.0”~”239.255.255.255”) Class E address(“240.0.0.0”~”255.255.255.255”) Directed broadcast address(“255.255.255.255”)	- If “Obtain IP Address” is “Auto”, this item is grayed-out.
“DNS Server Setting”	Two radio buttons are provided to choose one of the following: “Auto” / “Manual” “Manual” is selected when “Obtain IP Address” is “Manual”.	-
“Primary DNS Server”	A text box is provided. Format: “xxx.xxx.xxx.xxx” “xxx”: “0”~”255” in decimals. (“0.0.0.0”) is prohibited. If “Primary DNS Server” is blank but a value has been entered for “Secondary DNS Server”, an error occurs. You can leave this field blank.	- If “DNS Server Setting” is “Auto”, this item is grayed-out.
“Secondary DNS Server”	A text box is provided. Format: “xxx.xxx.xxx.xxx” “xxx”: “0”~”255” in decimal. (“0.0.0.0”) is prohibited. You can enter the empty.	- If “DNS Server Setting” is “Auto”, this item is grayed-out.
“DNS Host Name Setting”	Two radio buttons are provided to choose one of the following: “Auto” / “Manual”	-
“DNS Host Name”	The Device Name is shown.	-
“DNS Domain Name Setting”	Two radio buttons are provided to choose one of the following: “Auto” / “Manual”	-
“DNS Domain Name”	A text box is provided. The string must have 2 to 249 characters and contain “A”~”Z”, “a”~”z”, “0”~”9” , and “-”. (Spaces are not allowed.) However, it is necessary to enter no more than 251 characters in total for both the host name and domain name. If this number is exceeded, the configuration is not applied. The leading character must be “A”~”Z” or “a”~”z”. (“0”~”9” and “-” are not allowed.) The final character must be “A”~”Z” , “a”~”z”, or “0”~”9”. (“-” is not allowed.) The number of characters on each label separated by a period (“.”) must be 1 to 63.	- If “DNS Domain Name Setting” is “Auto”, this item is grayed-out.

“Register the network interface address to DNS”	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	-
“Proxy Server Setting”	“Do Not Use” / “Use”	-
“Proxy Server”	Set the proxy server address in the IPv4 address or FQDN format.	- If “Proxy Server Setting” is “Do Not Use”, this item is grayed-out.
“Proxy Server Port Number”	A text box is provided. The string must be “0” to “65535” in decimals.	- If “Proxy Server Setting” is “Do Not Use”, this item is grayed-out.
“Proxy Server User Name”	A text box is provided. The string must be from 0 to 255 bytes with characters in ASCII codes (0x20 - 0x7E).	- If “Proxy Server Setting” is “Do Not Use”, this item is grayed-out.
“Proxy Server Password”	A text box is provided. The string must be from 0 to 255 bytes with characters in ASCII codes (0x20 - 0x7E). 10 asterisks (*) are displayed when “Proxy Server Setting” is “Use”.	- If “Proxy Server Setting” is “Do Not Use”, this item is grayed-out.
“IPv6 Setting”	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	-
“IPv6 Privacy Extension”	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	- If “IPv6 Setting” is “Disable”, this item is grayed-out.
“IPv6 DHCP Server Setting”	Two radio buttons are provided to choose one of the following: “Do Not Use” / “Use”	- If “IPv6 Setting” is “Disable”, this item is greyed-out. - Only DHCPv6 support printers.
“IPv6 Address”	You can set empty or in the IPv6 address with prefix. Use the following IPv6 address formats, if you want to set. • xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxxx:xxxx/prefix “xxxx” is Hexadecimal for one to four digit. “prefix” is 1 - 128 in decimal. You can abbreviate the contiguous "xxxx" consisting of all "0" as "::" on one place in IPv6 address. Shows the error if it consists of following address part. "::/128” "::1/128” "FF00::/8” This item is need to enter if the item of IPv6 Address Default Gateway is entered.	- If “IPv6 Setting” is “Disable”, this item is greyed-out.
“IPv6 Address Default Gateway”	You can set empty or in the IPv6 address. Use the following IPv6 address formats, if you want to set. • xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxxx:xxxx “xxxx” is Hexadecimal for one to four digit. You can abbreviate the contiguous "xxxx" consisting of all "0" as "::" on one place in IPv6 address. Shows the error if it consists of following address part. "::/128” "::1/128” "FF00::/8”	- If “IPv6 Setting” is “Disable”, this item is greyed-out.
“IPv6 Link-Local Address”	A valid IPv6 link-local address is shown.	-
“IPv6 Stateful Address “	Shows a valid stateful IPv6 address.	- Only DHCPv6 support printers.
“IPv6 Stateless Address 1”	A valid IPv6 stateless address is shown.	-
“IPv6 Stateless Address 2”	A valid IPv6 stateless address is shown.	-
“IPv6 Stateless Address 3”	A valid IPv6 stateless address is shown.	-

“IPv6 Primary DNS Server”	Set this item in the IPv6 address. Use one of the following formats. xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxxx:xxxx “xxxx” indicates one to four digits in Hexadecimal. For “xxxx”, the first “0” can be abbreviated, but at least one character is required. Repeated “xxxx” in one location of an IPv6 address that are all “0” can be abbreviated as “::”. Shows an error if it includes any of the following address parts. “::/128” “::1/128” “FF00::/8” If “IPv6 Primary DNS Server” is blank but a value has been entered for “IPv6 Secondary DNS Server”, an error occurs. You can leave this field blank.	- If “IPv6 Setting” is “Disable”, this item is greyed-out.
“IPv6 Secondary DNS Server”	Set this item in the IPv6 address. Use one of the following formats. xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxxx:xxxx “xxxx” indicates one to four digits in Hexadecimal. Repeated “xxxx” in one location of an IPv6 address that are all “0” can be abbreviated as “::”. Shows an error if it includes any of the following address parts. “::/128” “::1/128” “FF00::/8” You cannot register other IPv6 DNS server addresses that have already been registered. You can leave this field blank.	- If “IPv6 Setting” is “Disable”, this item is greyed-out.
“Power Saving(Wi-Fi)	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	Display only if Wi-Fi is enabled. Displayed only when the Wi-Fi dongle is attached and in "Dongle mode".
“Frequency Range (Wi-Fi, Wi-Fi Direct)” “Frequency Range”	A drop-down list is provided to choose one of the following: “Auto” / “2.4 GHz” / “5 GHz”	Display only if Wi-Fi is enabled. Displayed only when the Wi-Fi dongle is attached and in "Dongle mode".

10.2.1.1.3 Button

Table 10-34 Button

Items	Description
“Next”	If pressed, Web Config goes to the Confirm Wi-Fi/Network Settings page.

If Web Config recognizes an error in the entered value after the Next button is pressed, the following error pop-up is shown. If the entered value error occurs multiple times, a high priority is displayed.

Table 10-35 Error Pop-up

Items	Description
“Invalid value below.”	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
“The combination of IP Address and Subnet Mask is incorrect.” “All the bits in the host address part of the IP address cannot be set to 1.”	This message is displayed if all of the bits in the host address portion of the IP address are 1.
“The combination of IP Address and Subnet Mask is incorrect.” “All the bits in the host address part of the IP address cannot be set to 0.”	This message is displayed if all of the bits in the host address portion of the IP address are 0.
“The combination of Default Gateway and Subnet Mask is incorrect.” “All the bits in the host address part of the Default Gateway cannot be set to 1.”	This message is displayed if all of the bits in the host address portion of the Default Gateway are 1.

“The combination of Default Gateway and Subnet Mask is incorrect.” “All the bits in the host address part of the Default Gateway cannot be set to 0.”	This message is displayed if all of the bits in the host address portion of the Default Gateway are 1.
“The combination of IP Address, Subnet Mask and Default Gateway is incorrect.” “IP Address and Default Gateway must be on the same network segment as defined by the Subnet Mask.”	This message is shown in the following cases. A default gateway has been set, and the network part that indicates the subnet mask is different in the IP address and default gateway.

10.2.1.2 Confirm page

10.2.1.2.1 Image

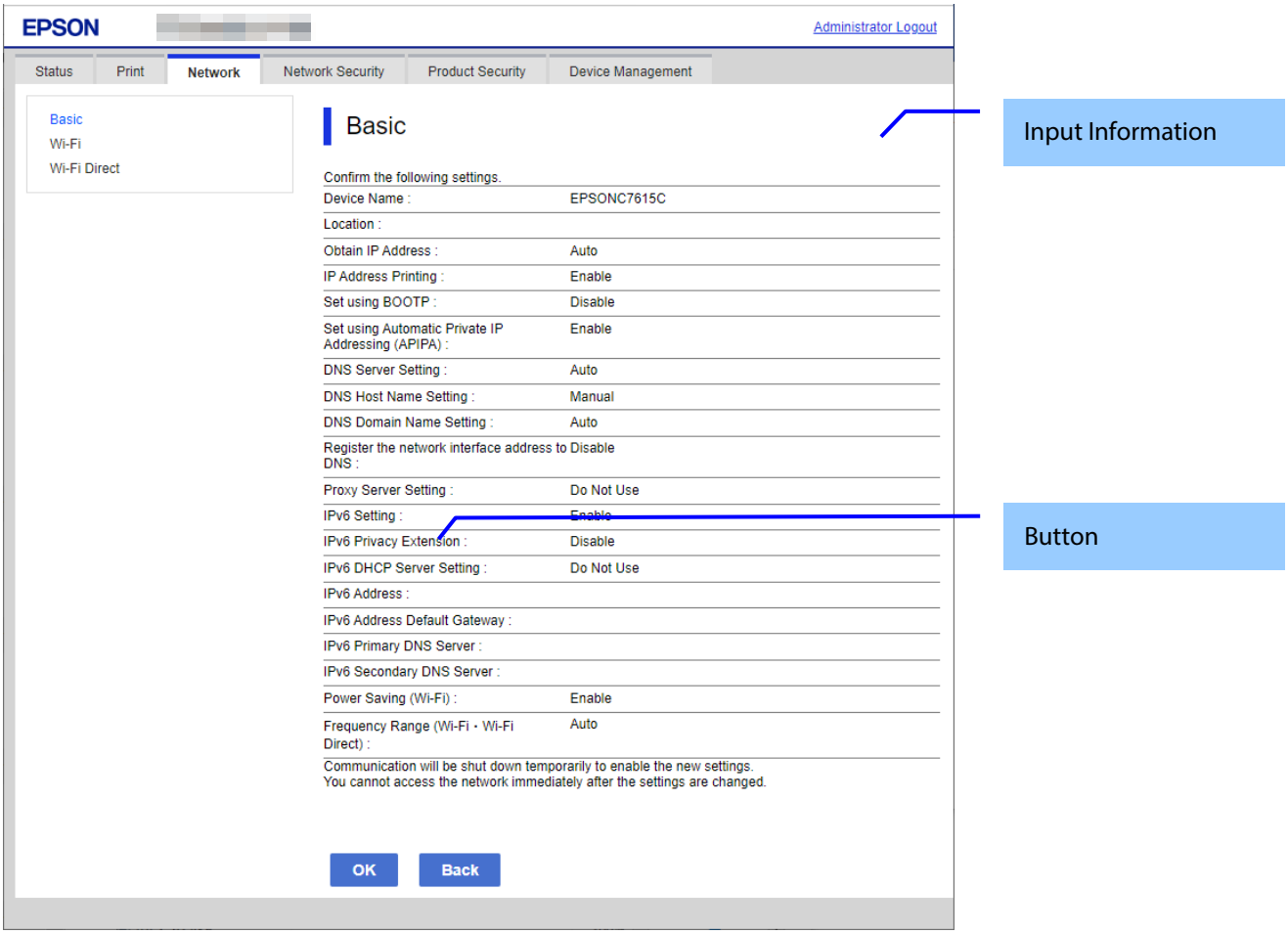


Figure 10-5 Confirm page

10.2.1.2.2 Input Information

Table 10-36 Input Information

Items	Description
“ Confirm the following settings.”	This message is shown at the top of the page, followed by the setting items and their values.
“ Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed.”	This message is shown at the bottom of the page.

10.2.1.2.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 10-37 Button

Items	Description
“OK”	This button is used to apply the entered values to the system shown on the Confirm Wi-Fi/Network Settings page. If pressed, Web Config goes to the Result page.
“Back”	This button is used to go back to the Wi-Fi/Network Settings page.

10.2.1.3 Result page

The following figure shows the page that is displayed after the network settings are processed. The content of the Result page will vary based on the result (success or failure).

10.2.1.3.1 Image

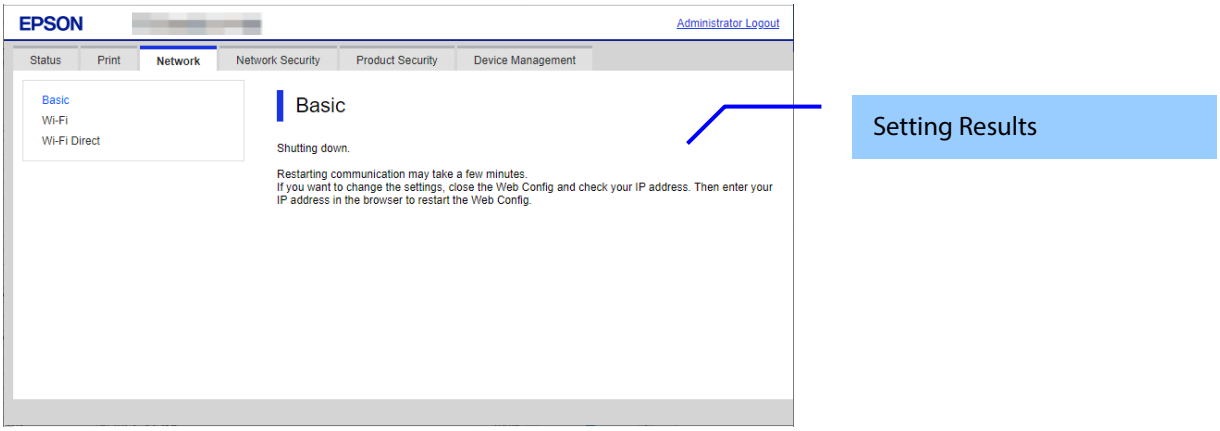


Figure 10-6 Result page

10.2.1.3.2 Setting Result

Table 10-38 Setting Result

Items	Description
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown if Wi-Fi/Network setup is successful.
"Setup failed."	This message is shown if Wi-Fi/Network setup fails.

10.2.2 Wi-Fi

Does not appear when the optional wireless LAN unit is not connected.

10.2.2.1 Top page

10.2.2.1.1 Image

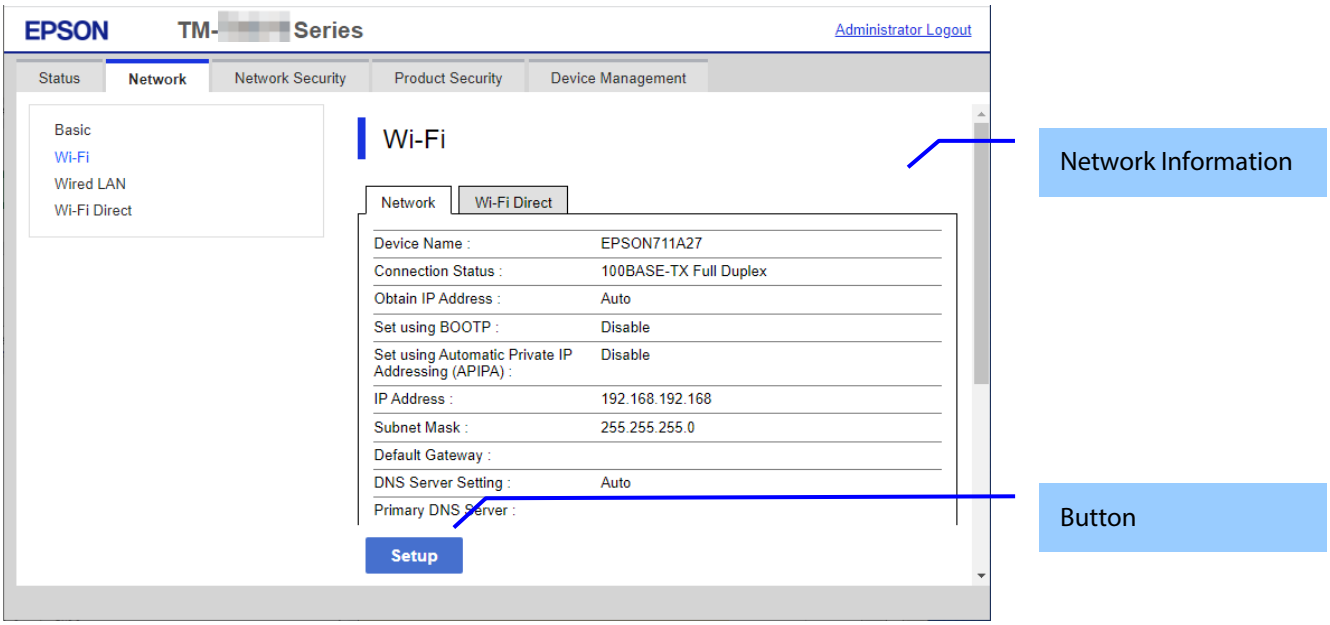


Figure 10-7 Wi-Fi Setup Top Page

10.2.2.1.2 Network Information

Display same contents as Network Status of Status tab.

10.2.2.1.3 Button

The following buttons are supported.

Table 10-39 Button

Items	Description	Condition
"Setup"	This button is used to begin Wi-Fi setup. If pressed, Web Config goes to the SSID Search page.	-

10.2.2.1.4 Confirmation Popup

If the Disable Wi-Fi button is pressed, Web Config shows a confirmation pop-up window to confirm whether or not the user really wants to disable Wi-Fi. "Disable Wi-Fi" is displayed in the pop-up window.

10.2.2.2 SSID Search page

10.2.2.2.1 Image

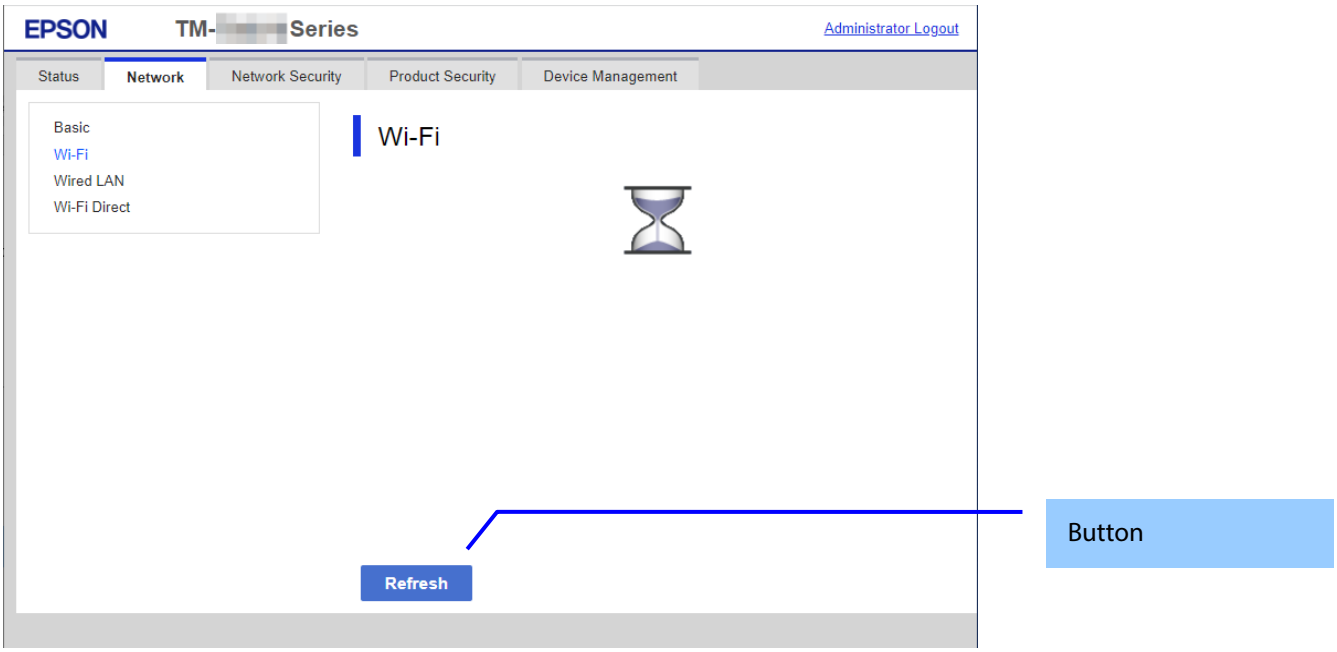


Figure 10-8 SSID Search Page

10.2.2.2.2 Button

Table 10-40 Button

Items	Description
"Refresh"	After the Refresh button is pressed, Web Config goes to the Wi-Fi Settings page if an SSID search has been completed. If an SSID search has not been completed, Web Config remains on the SSID Search page.

10.2.2.3 Wi-Fi Settings page

If the Web Config confirms periodically that an SSID search has been done triggered by transition to this page or pressing the Refresh button, it goes to the Wi-Fi Settings page as below. You can choose a SSID on the searched SSID list by choosing a radio button or choose a radio button to specify any SSID manually.

10.2.2.3.1 Image

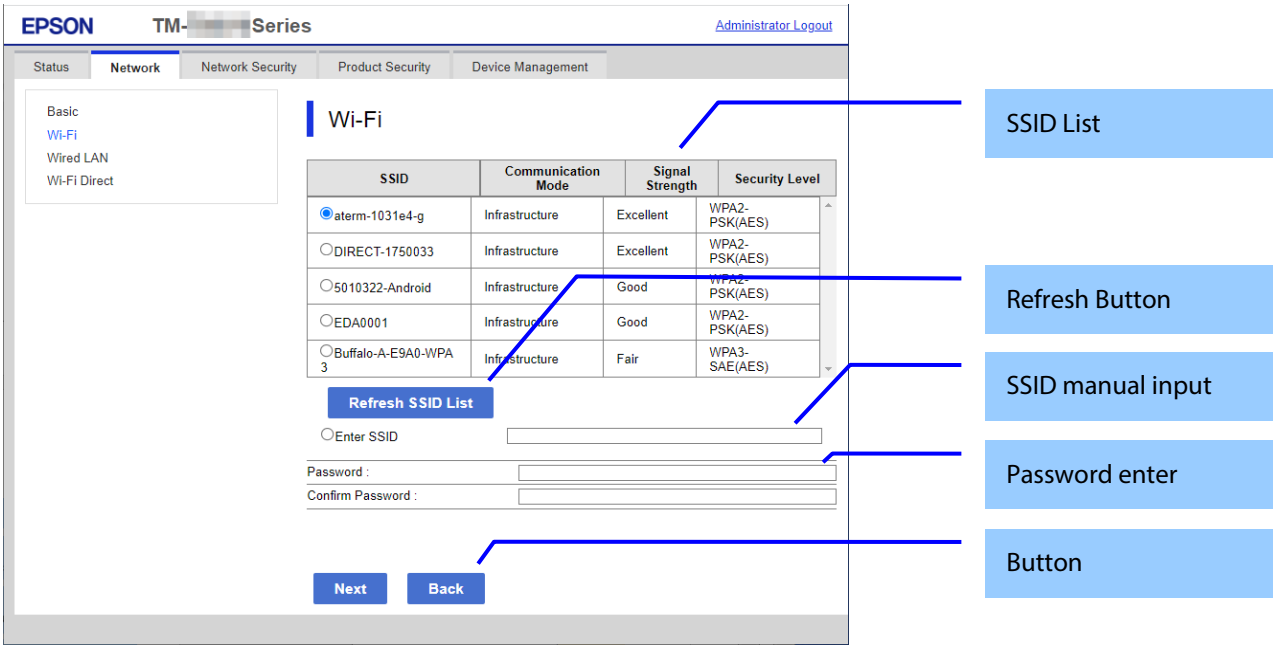


Figure 10-9 Wi-Fi Settings Page

10.2.2.3.2 SSID List

You can choose an SSID from the list of searched SSIDs as shown below. A list of up to 15 searched SSIDs (with up to 10 infrastructure mode SSIDs and up to 5 ad hoc mode SSIDs) regardless of coordination mode (Infrastructure or ad hoc) and sorted by signal strength level (strong -> weak).

Table 10-41 SSID List

Items	Description	Condition
"SSID"	Shows the name of each SSID.	-
"Communication Mode"	Shows one of the following communication modes: "Infrastructure"	-
"Signal Strength"	Shows one of the following signal strengths: "Excellent" / "Good" / "Fair" /	Displays only models equipped with Wi-Fi chip.
"Security Level"	Shows one of the following security levels: "None" / "WEP-64bit(40bit)" / "WEP-128bit(104bit)" / "WPA-PSK(TKIP)" / "WPA2-PSK(AES)" "WPA3-SAE(AES)" / "Unknown" If Security Level is WEP-64bit or WEP-128, "Unknown" is shown (because a printer can not recognize 64bit or 128bit).	-

10.2.2.3.3 SSID manual input

You can specify any SSID manually.

Table 10-42 SSID manual input

Items	Description
"Enter SSID"	A text box is provided so the user can enter an SSID manually. The string must have 1 to 32 characters (ASCII codes: 0x20 - 0x7E).

10.2.2.3.4 Refresh Button

The Refresh button provides the user with the updated SSID list.

Table 10-43 SSID Refresh Button

Items	Description
"Refresh SSID List"	If pressed, Web Config shows the SSID Search page.

10.2.2.3.5 Password entering

Table 10-44 Password entering

Items	Description
"Password"	A text box is provided. The string must have 1, 5, or 8 to 63 characters (ASCII codes: 0x20 - 0x7E). The entered values are masked by '*'.
"Confirm Password"	Same as Security Key.

10.2.2.3.6 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 10-45 Button

Items	Description
"Next"	This button is used to go forward with Wi-Fi Setup based on the values entered on the Wi-Fi Setup page. If pressed, Web Config goes to the Confirmation page without applying the changes.
"Back"	If pressed, Web Config discards the entered values and goes to the top page of Wi-Fi Setup.

When the "Apply" button is pressed, Web Config displays a pop-up window that shows the following message if it recognizes an error in the entered value.

Table 10-46 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered for SSID, Password, or Confirm Password is invalid. The item names of the invalid values are shown under the message in the left cell. If there are two or more items whose values were invalid, those items are listed line by line.
"Passwords you entered do not match."	This message is shown if the values entered for Password and Confirm Password do not agree.

10.2.2.4 Confirm Wi-Fi Setup page

10.2.2.4.1 Image

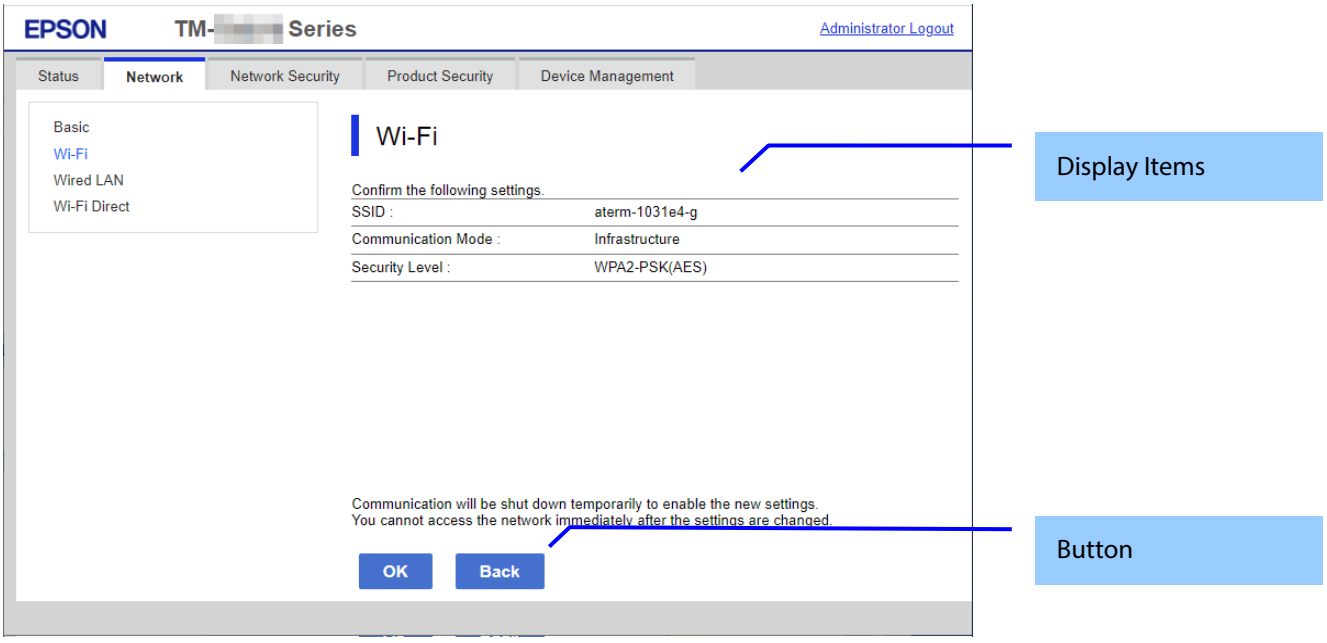


Figure 10-10 Confirm Wi-Fi Setup Page

10.2.2.4.2 Display Items

Table 10-47 Display Items

Items	Description
"Confirm the following settings."	This message is shown at the top of the page.
"SSID"	The value entered on the Wi-Fi Setup page is shown.
"Communication Mode"	The value entered on the Wi-Fi Setup page is shown.
"Security Level"	The value entered on the Wi-Fi Setup page is shown.
"Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown at the bottom of the page.

"Security Level" is determined by the values on the Wi-Fi Setting page.

Table 10-48 Value for Security Level

the values of Wi-Fi Setting page			Security Level of Confirm Wi-Fi Setup page
SSID	Security Level of selected SSID	Length of Security Level	
- Select "Enter SSID".	-	0	"None"
		5	"WEP-64bit(40bit)"
		Others	"Unknown"
- Select from list.	- "Unknown"	0	"None"
		10 (hexdecimal)	"WEP-64bit(40bit)"
		26 (hexdecimal)	"WEP-128bit(104bit)"
		5 (not hexdecimal)	"WEP-64bit(40bit)"
		13 (not hexdecimals)	"WEP-128bit(104bit)"
		Others	"Unknown"
	- Others	-	- Select Security Level

10.2.2.4.3 Button

There is a button to proceed to Wi-Fi Setup based on the values entered on the Confirm Wi-Fi Setup page, and a button to go back to the previous page.

Table 10-49 Button

Items	Description
"OK"	This button is used to go forward with Wi-Fi Setup based on the values entered on the Confirm Wi-Fi Setup page. If pressed, Web Config goes to the Result page.
"Back"	If pressed, Web Config discards the entered values and goes to the Wi-Fi Settings page.

10.2.2.5 Result page

10.2.2.5.1 Image

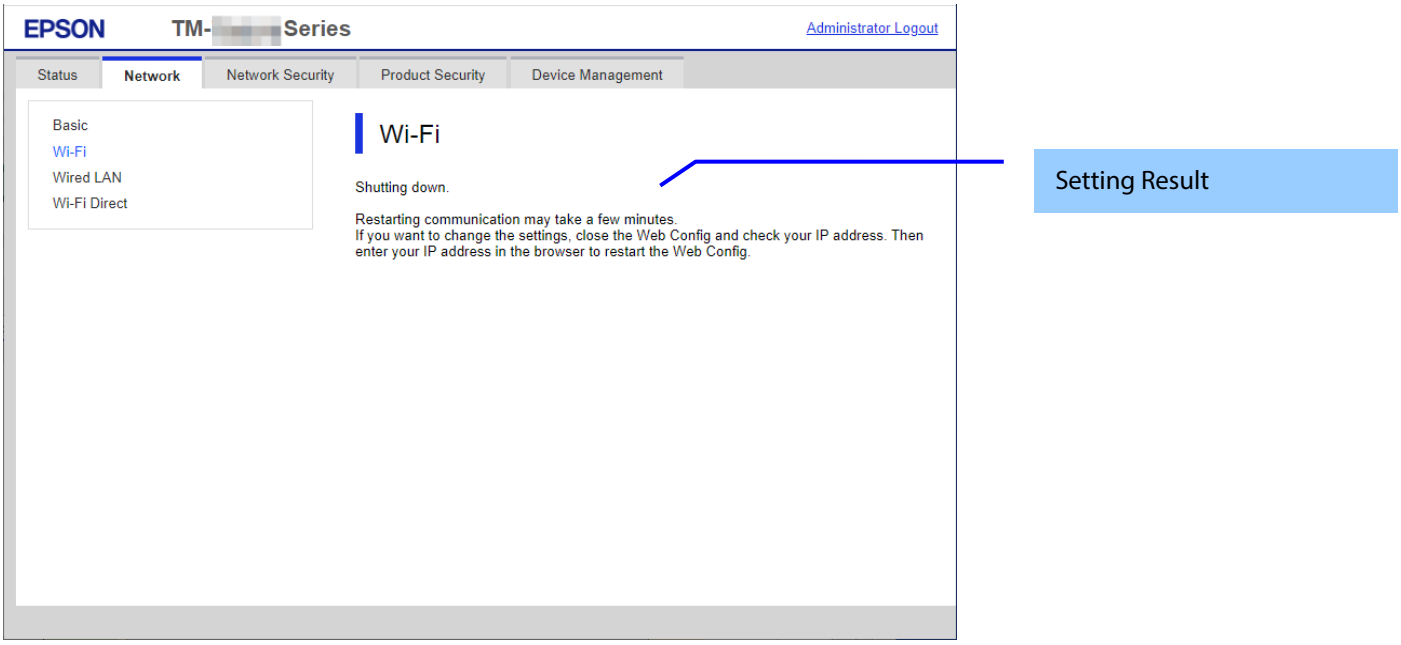


Figure 10-11 Result page

10.2.2.5.2 Setting Result

Table 10-50 Setting Result

Items	Description
"Shutting down. Restarting communication may take a few minutes. If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown if setup is successful.
"Setup failed."	This message is shown if setup fails.

10.2.3 Wired LAN

10.2.3.1 Top page

10.2.3.1.1 Image

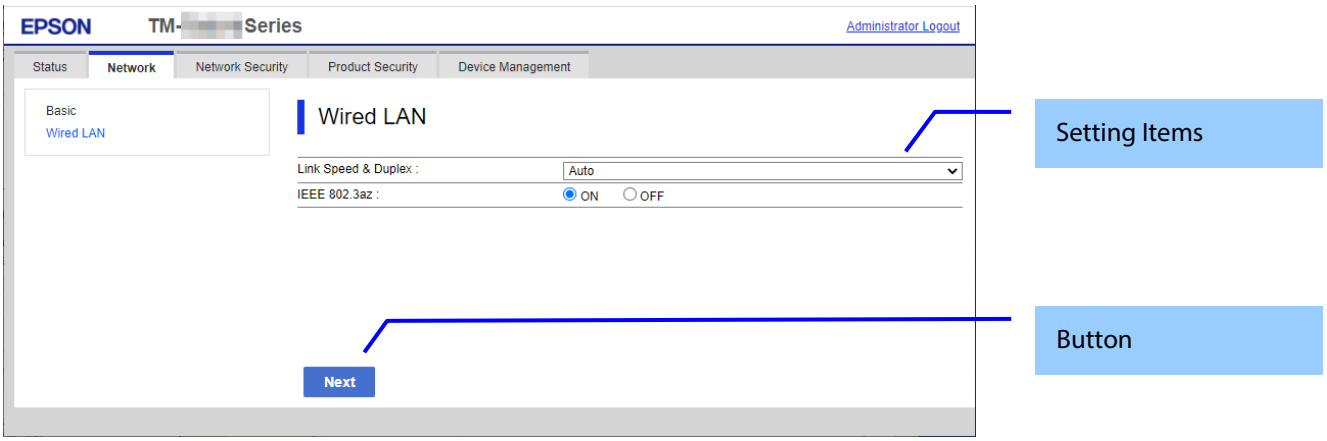


Figure 10-12 Top page

10.2.3.1.2 Setting Items

The following table shows the setting items in Wired LAN Settings.

Table 10-51 Setting Items

Items	Description	Condition
“Link Speed & Duplex”	A drop-down list is provided to choose one of the following: “Auto” / ”10BASE-T Half Duplex” / “10BASE-T Full Duplex” / “100BASE-TX Half Duplex” / “100BASE-TX Full Duplex” / “100BASE-TX Auto”	Can be select "100BASE-TX Auto" if model is SoC12H.
“IEEE 802.3az”	Either “ON”/”OFF” can be chosen with a radio button.	-

10.2.3.1.3 Button

The following table shows the setting button in Wired LAN Settings.

Table 10-52 Button

Items	Description
“Next”	If pressed, Web Config goes to the Confirm Wired LAN Settings page.

10.2.3.2 Confirm page

10.2.3.2.1 Image

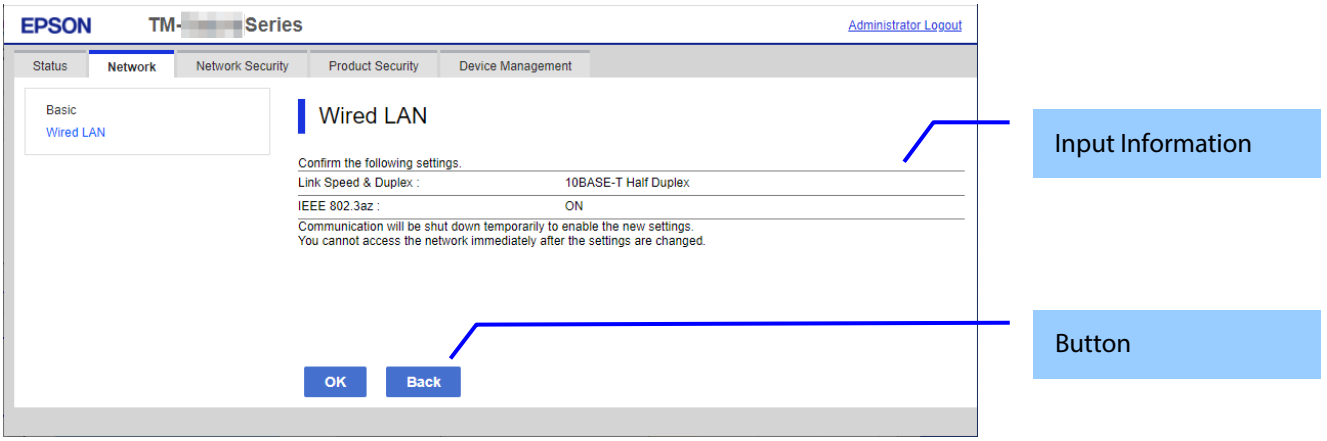


Figure 10-13 Confirm page

10.2.3.2.2 Input Information

Table 10-53 Input Information

Items	Description
" Confirm the following settings."	This message is shown at the top of the page, followed by the setting items and their values.
" Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown at the bottom of the page.

10.2.3.2.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 10-54 Button

Items	Description
"OK"	This button is used to apply the entered values to the system shown on the Confirm Wired LAN Settings page. If pressed, Web Config goes to the Result page.
"Back"	This button is used to go back to the Wired LAN Settings page.

10.2.3.3 Result page

The following figure shows the page that is displayed after the network settings are processed. The content of the Result page will vary based on the result (success or failure).

10.2.3.3.1 Image

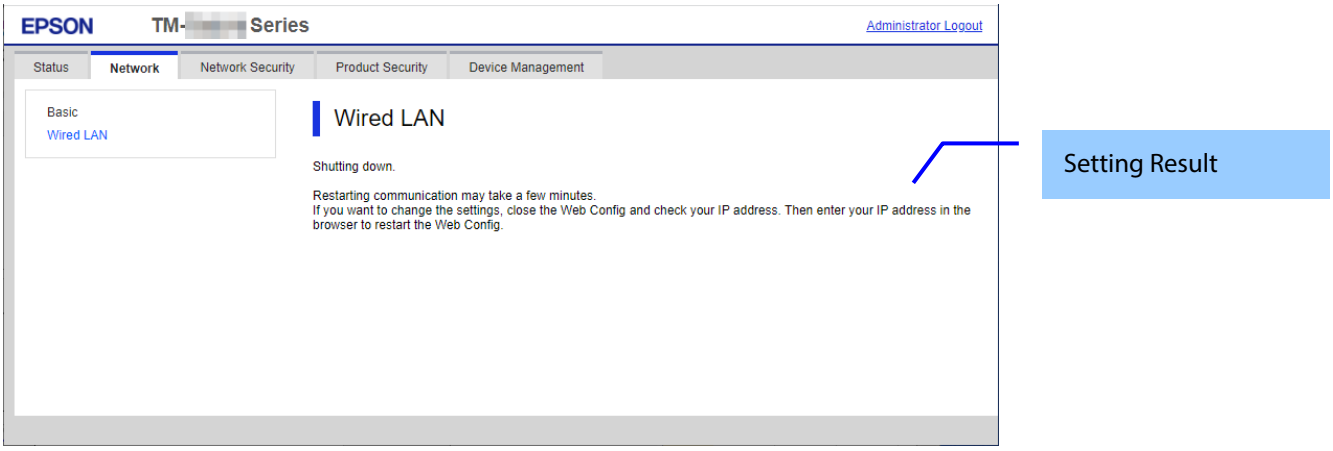


Figure 10-14 Result page

10.2.3.3.2 Setting Result

Table 10-55 Setting Result

Items	Description
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown if setup is successful.
"Setup failed."	This message is shown if Wi-Fi/Network setup fails.

10.2.4 Wi-Fi Direct

In the Wi-Fi Direct area, you can confirm the information for the Wi-Fi Direct connection and change the settings.
Does not appear when the optional wireless LAN unit is not connected.

10.2.4.1 Top page

10.2.4.1.1 Image

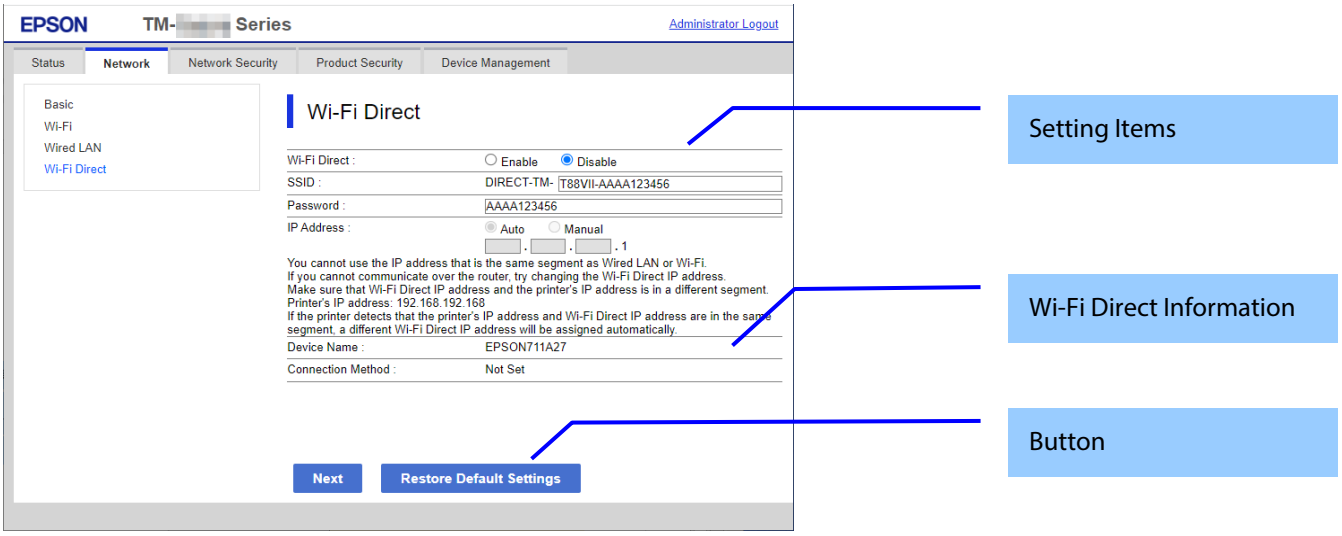


Figure 10-15 Top page

10.2.4.1.2 Setting Items

The following table shows the items that can be set.

Table 10-56 Setting Items

Items	Description	Condition
"Wi-Fi Direct"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable" -If you select "Disable", the default settings are applied. If you select "Enable", a simple AP starts.	-
"SSID"	Enter 0-22 0x20-0x7F ASCII characters in the text box. "DIRECT-XX-" is displayed as a fixed character string in front of the text box. "DIRECT-XX-" + the character string entered in this text box becomes the SSID name. (XX indicates the first two characters of the last 8 digits of the MAC address.)	Displays only models equipped with Wi-Fi chip.
"Password"	The user can set a password for Wi-Fi Direct. 8 ~ 22 characters in ASCII.	This item is enabled when "Wi-Fi Direct" is "Enabled".
"IP Address"	Two radio buttons are provided to choose one of the following: "Auto" / "Manual" When "manual" is selected, a text box for entering an IP address is displayed. There are three input fields for entering the 8-bit delimiter of the IP address in decimals. The final byte is fixed as "1". "." is displayed between each input fields. If Wi-Fi Direct is enabled, the default value is displayed for the operation value. When it is disabled, the default value is displayed for the setting value if the IP address is set manually. Otherwise, it is blank. A value from 0 to 255 can be entered for each text box. Perform the following check for values that are entered	If "Wi-Fi Direct" is "Disable", this item is grayed out. The text box is grayed out if the setting is Auto.

	for the IP address. “0.0.0.1”~”0.255.255.1” Loopback address (“127.0.0.1”~”127.255.255.1”) Class D address (“224.0.0.1”~”239.255.255.1”) Class E address (“240.0.0.1”~”255.255.255.1”) A check is also performed for conflicts with IP addresses on wired LAN or wireless LAN (Wi-Fi). If there is an error, it will be displayed in a popup window. However, this check is not performed if there is no connection. (The check is performed for up to the 2nd byte of the IP address on wired or wireless LAN.)	
“You cannot use the IP address that is the same segment as Wired LAN or Wi-Fi.¥n If you cannot communicate over the router, try changing the Wi-Fi Direct IP address.¥nMake sure that Wi-Fi Direct IP address and the printer's IP address is in a different segment.¥nPrinter's IP address: %s¥nIf the printer detects that the printer's IP address and Wi-Fi Direct IP address are in the same segment, a different Wi-Fi Direct IP address will be assigned automatically.”	Fixed character string displayed in the IP address setting items. “%s” indicates the IP address for the current wired LAN or Wi-Fi.	-

10.2.4.1.3 Wi-Fi Direct Information

The content is the same as the description for the confirmation of the network information.

10.2.4.1.4 Button

The following table shows the buttons on the page.

Table 10-57 Button

Items	Description	Condition
“Next”	This button is for going to the confirmation page.	-
“Restore Default Settings”	If pressed, Web Config restores the setting values to the factory defaults.	This item is displayed for models that use the Wi-Fi chip.

When the “OK” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-58 Error Popup

Items	Description
“Invalid value below.”	Shows a warning when a value is entered incorrectly.

10.2.4.2 Confirm page

10.2.4.2.1 Image

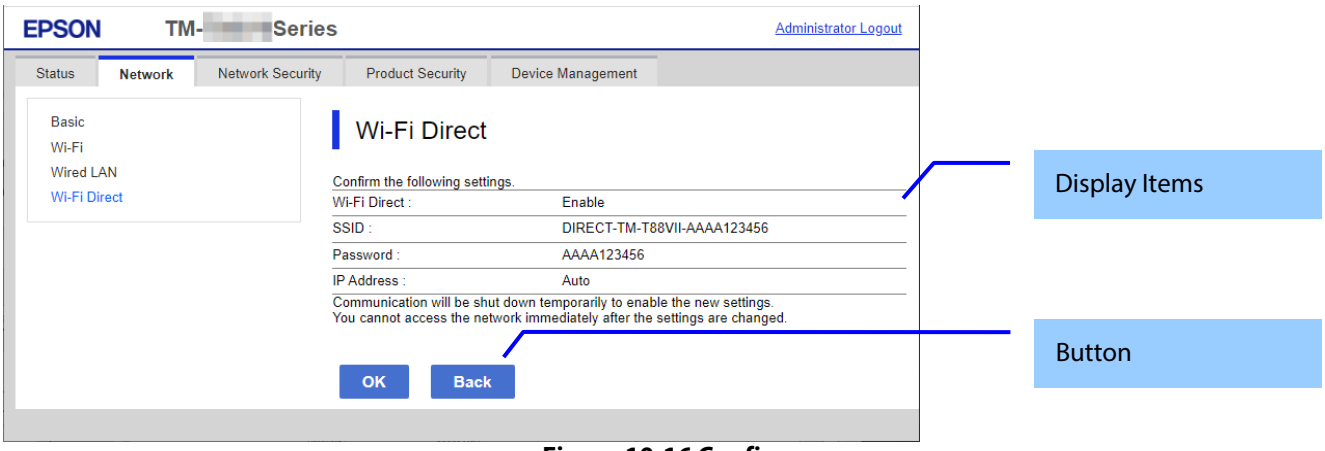


Figure 10-16 Confirm page

10.2.4.2.2 Display Items

The settings that were entered on the previous page are shown for confirmation after the "Change the following settings" message. The following message is shown below the confirmed settings: "Communication will stop temporarily to enable the new settings. You will not be able to access the network immediately after the settings are changed."

10.2.4.2.3 Button

The following table shows the buttons on the page.

Table 10-59 Button

Items	Description
"OK"	- Button at the bottom of the main frame to perform settings.
"Back"	- Button at the bottom of the main frame to go back to the previous page.

10.2.4.3 Result page

The result page is shown in the main frame after the “OK” button is pressed. An error page is shown when Wi-Fi LAN mode is set to IEEE802.11g in the printer. The page is shown when “Delete” is pressed on the previous page.

10.2.4.3.1 Image

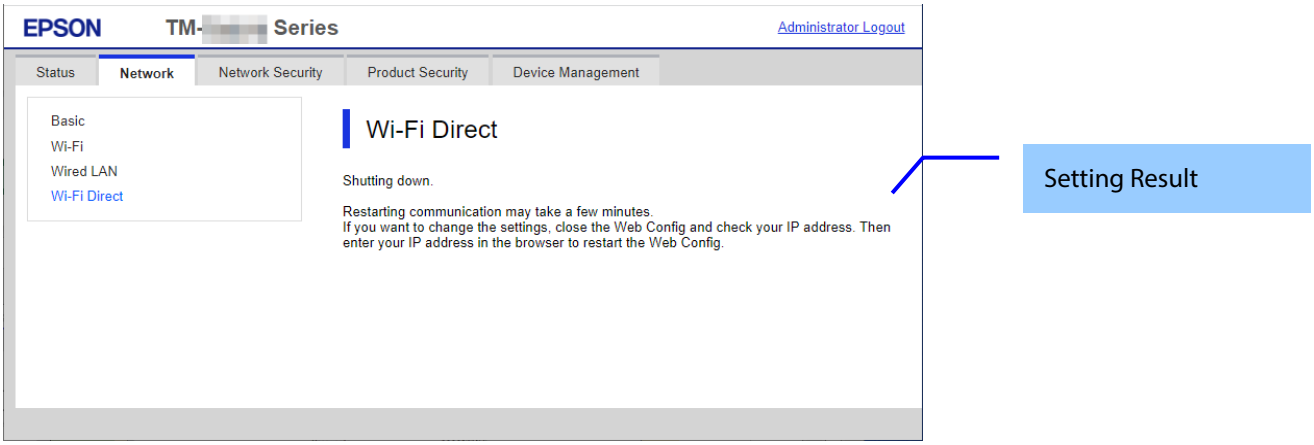


Figure 10-17 Result page

10.2.4.3.2 Setting Result

Table 10-60 Setting Result

Items	Description
“Shutting down.” “Restarting communication may take a few minutes.” “If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config.”	This message is shown if setup is successful.
“Setup complete.”	This message is shown when the delete operation is completed successfully.

10.3 Network Security

10.3.1 Protocol

10.3.1.1 Top page

10.3.1.1.1 Image

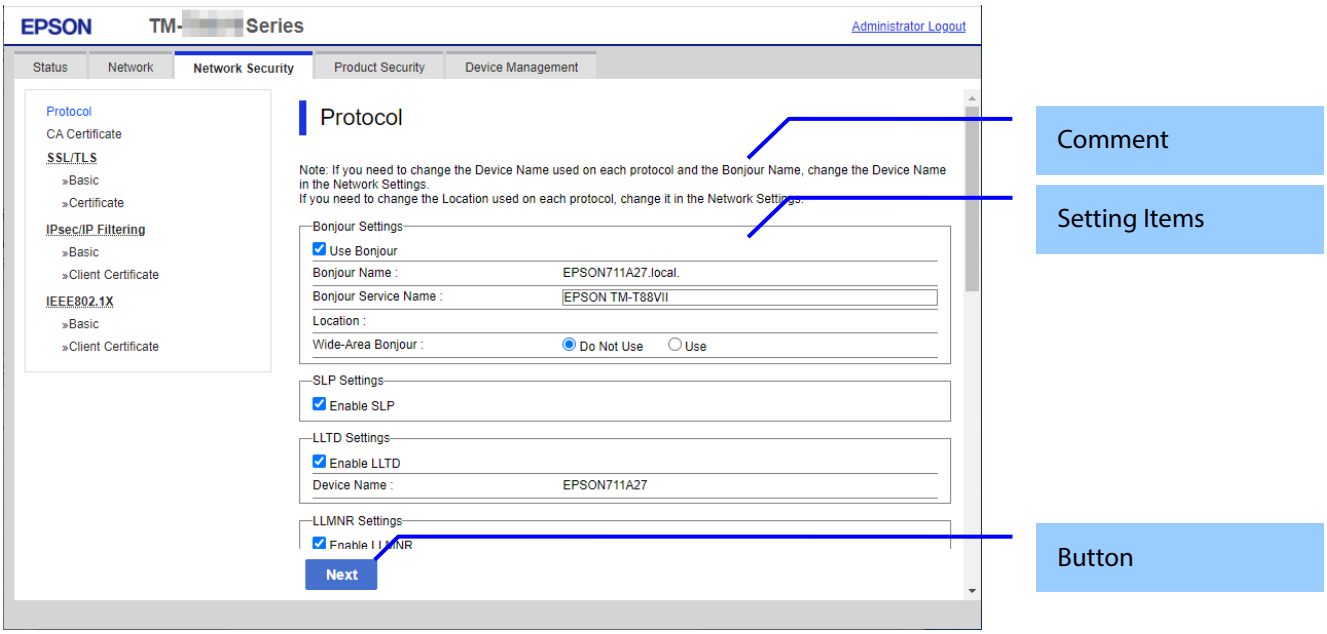


Figure 10-18 Top page

10.3.1.1.2 Comment

Table 10-61 Comment

Comment	Description
“Note: If you need to change the Device Name and Bonjour Name used for each protocol , change the Device Name in the Network Settings. If you need to change the Location used for each protocol, change it in the Network Settings.”	–Fixed Strings

10.3.1.1.3 Setting Items

Table 10-62 Setting Items

Items	Description	Condition
“Bonjour Settings”	Title	-
“Use Bonjour”	Use the check box to choose whether or not to use Bonjour.	-
“Bonjour Name”	Shows the bonjour name, consisting of the device name and ‘.local’.	Read only
“Bonjour Service Name”	Use the edit box to set the bonjour service name. The string must have up to 41 alphanumeric characters (0x20 ~ 0x7E).	Can be entered when “Use Bonjour” is checked.
“Location”	Shows the locations that use Bonjour protocol.	Read only
“Top Priority Protocol”	Use the drop-down list to choose the following options. “Port9100” / “IPP”	Only RAW (Port9100) and IPP support products. Can be entered, when “Use Bonjour” is checked.
“iBeacon Settings”	Title	Only printers that support iBeacon
“Enable iBeacon Transmission”	Use the check box to choose whether or not to enable iBeacon .	Only iBeacon support printers
“SLP Settings”	Title	-
“Enable SLP”	Use the check box to choose whether or not to enable SLP.	-
“WSD Settings”	Title	-
“Enable WSD”	Use the check box to choose whether or not to enable WSD.	-

“Scanning Timeout (sec)”	Use the edit box to set the timeout for WSD. (3 ~ 3600 seconds)	Can be entered, when “Enable WSD” is checked. Only printers that support WSD Scan
“Device Name”	Shows the device names that use WSD. The value can be changed from Wi-Fi/Network setup.	Read only
“Location”	Shows the locations that use WSD. The value can be change from the Wi-Fi/Network setup.	Read only
“LLTD Settings”	Title	-
“Enable LLTD”	Use the check box to choose whether or not to enable LLTD.	-
“Device Name”	Shows the device names that use LLTD. The value can be changed from Wi-Fi/Network setup.	Read only
“LLMNR Settings”	Title	-
“Enable LLMNR”	Use the check box to choose whether or not to enable LLMNR.	-
“LPR Settings”	Title	Only printers that support LPR
“Allow LPR Port Printing”	Use the check box to choose whether or not to allow LPR port printing	Only LPR support printer.
“Printing Timeout (sec)”	Use the edit box to set the timeout for LPR port printing (0 ~ 3600 seconds)	Only LPR support printer. Can be entered, when “Allow LPR Port Printing” is checked.
“RAW (Port9100) Settings”	Title	Only printers that support RAW (Port9100)
“Allow RAW(Port9100) Printing”	Use the check box to choose whether or not to allow RAW port printing	Only RAW(Port9100) support printer.
“Printing Timeout (sec)”	Use the edit box to set the timeout for RAW port printing (0 ~ 3600 seconds)	Only printers that support RAW (Port9100) Can be entered, when “Allow RAW (Port9100) Printing” is checked.
“RAW(Custom Port) Settings”	Title	Only RAW(Custom Port) support device.
“Allow RAW(Custom Port) Printing”	Use the check box to choose whether or not to allow RAW (Custom Port) printing.	Only RAW(Custom Port) support device.
“Port Number”	The user can set the port number. 2014 ~ 65535 (Except for 9100, 1865, 2968)	Only RAW(Custom Port) support device. Enabled when checked “Allow RAW(Custom Port) Printing”.
“Printing Timeout(sec)”	Use the edit box to set the timeout for RAW (Custom Port) printing. (0 ~ 3600 sec)	Only RAW(Custom Port) support device. Enabled when checked “Allow RAW(Custom Port) Printing”.
“IPP Settings”	Title	Only IPP support printer.
“Enable IPP”	Use the check box to choose whether or not to enable IPP.	Only IPP support printer.
“Allow Non-secure Communication”	Use the radio buttons to select “Allowed”/”Not Allowed”.	Only printers that support IPP
“Communication Timeout (sec)”	Use the edit box to set the timeout used for IPP. (3 ~ 3600 seconds)	Only IPP support printer. Can be entered, when “Enable IPP” is checked.
“URL(Network)”	Use the radio buttons to select “Yes”/”No”.	Only printers that support IPP Can be entered, when “Enable IPP” is checked. Only printers that support PIN Printing
“URL(Wi-Fi Direct)”	Title	Only printers that support RAW (Port9100)
“Printer Name”	Use the check box to choose whether or not to allow RAW port printing	Only RAW(Port9100) support printer.
“Location”	Use the edit box to set the timeout for RAW port printing (0 ~ 3600 seconds)	Only printers that support RAW (Port9100) Can be entered, when “Allow RAW (Port9100) Printing” is checked.
“SNMPv1/v2c Settings”	Title	Only SNMPv3 support printer.

“Enable SNMPv1/v2c”	Use the check box to choose whether or not to enable SNMPv1/v2c.	This item is displayed when the device supports SNMPv3 function and not support SNMPv1/v2c Individual Setting.
“Enable SNMPv1”	You can choose whether or not to enable SNMPv1 using the check box.	This item is displayed when the device supports SNMPv1/v2c Individual Setting.
“Enable SNMPv2c”	You can choose whether or not to enable SNMPv2c using the check box.	This item is displayed when the device supports SNMPv1/v2c Individual Setting.
“Access Authority”	Use the drop-down list to choose the following options. “Read Only” / “Read/Write”	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv1/v2c” is checked. When the device can set SNMPv1/v2c indivisually, this item is enabled when each checkbox is selected.
“Community Name(Read Only)”	Use the text box to set the Community Name (Read Only). 0 ~ 32 characters in ASCII	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv1/v2c” is checked. When the device can set SNMPv1/v2c indivisually, this item is enabled when each checkbox is selected.
“Community Name(Read/Write)	Use the text box to set the Community Name (Read/Write). 0 ~ 32 characters in ASCII	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv1/v2c” is checked. When the device can set SNMPv1/v2c indivisually, this item is enabled when each checkbox is selected.
“IP Trap1”	Title of field which contains below 4 items.	This item is displayed on SIDM.
“Enable IP Trap 1”	User can choose enable or disable with the check box.	This item is displayed on SIDM.
“Address”	User can set IPv4 address with textbox.	This item is displayed on SIDM.
“Community Name”	User can set strings with the textbox. 0 ~ 32 characters in ASCII	This item is displayed on SIDM.
“Port Number”	User can set 0 ~ 65535 with the textbox.	This item is displayed on SIDM.
“IP Trap2”	Title of field which contains below 4 items.	This item is displayed on SIDM.
“Enable IP Trap 2”	User can choose enable or disable with the check box.	This item is displayed on SIDM.
“Address”	User can set IPv4 address with textbox.	This item is displayed on SIDM.
“Community Name”	User can set strings with the textbox. 0 ~ 32 characters in ASCII	This item is displayed on SIDM.
“Port Number”	User can set 0 ~ 65535 with the textbox.	This item is displayed on SIDM.
“IP Trap3”	Title of field which contains below 4 items.	This item is displayed on SIDM.
“Enable IP Trap 3”	User can choose enable or disable with the check box.	This item is displayed on SIDM.
“Address”	User can set IPv4 address with textbox.	This item is displayed on SIDM.
“Community Name”	User can set strings with the textbox. 0 ~ 32 characters in ASCII	This item is displayed on SIDM.
“Port Number”	User can set 0 ~ 65535 with the textbox.	This item is displayed on SIDM.
“IP Trap4”	Title of field which contains below 4 items.	This item is displayed on SIDM.
“Enable IP Trap 4”	User can choose enable or disable with the check box.	This item is displayed on SIDM.
“Address”	User can set IPv4 address with textbox.	This item is displayed on SIDM.
“Community Name”	User can set strings with the textbox. 0 ~ 32 characters in ASCII	This item is displayed on SIDM.
“Port Number”	User can set 0 ~ 65535 with the textbox.	This item is displayed on SIDM.
“SNMPv3 Settings”	Title	Only SNMPv3 support printer.
“Enable SNMPv3”	Use the check box to choose whether or not to enable SNMPv3.	Only printers that support SNMPv3
“User Name”	Use the text box to set the User Name. 1 ~ 32 bytes in UTF-8	Only printers that support SNMPv3 Can be entered, when “Enable SNMPv3” is checked.
“Authentication Settings”	Title	Only SNMPv3 support printer.
“Algorithm”	Use the drop-down list to choose the following options. “MD5” / “SHA-1”	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv3” is checked.

“Password”	Use the text box to set the Password. 8 ~ 32 bytes, in ASCII and masked. If 10 asterisks (*) are entered when the password field is blank, the setting fails.	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv3” is checked.
“Confirm Password”	Same as Password.	Same as Password.
“Encryption Settings”	Title	Only SNMPv3 support printer.
“Algorithm”	Use the drop-down list to choose the following options. “DES” / “AES-128”	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv3” is checked.
“Password”	Use the text box to set the Password. 8 ~ 32 bytes, in ASCII and masked. If 10 asterisks (*) are entered when the password field is blank, the setting fails.	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv3” is checked.
“Confirm Password”	Same as Password.	Same as Password.
“Context Name”	Use the text box to set the Context Name. 0 ~ 32 bytes in UTF-8	Only SNMPv3 support printer. Can be entered, when “Enable SNMPv3” is checked.

10.3.1.1.4 Button

The following table shows the buttons on the page.

Table 10-63 Button

Items	Description
“Next”	The button for going to the confirmation page is at the bottom of the main frame.

When the “Next” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-64 Error Popup

Items	Description
“Invalid value below.” “-WSD Settings > Timeout”	Shows a warning when a value is entered incorrectly.
“Passwords you entered do not match.” “-SNMPv3 Settings > “	When the password and the confirmation password do not match, this message is shown.

10.3.1.2 Confirmation Page

10.3.1.2.1 Image

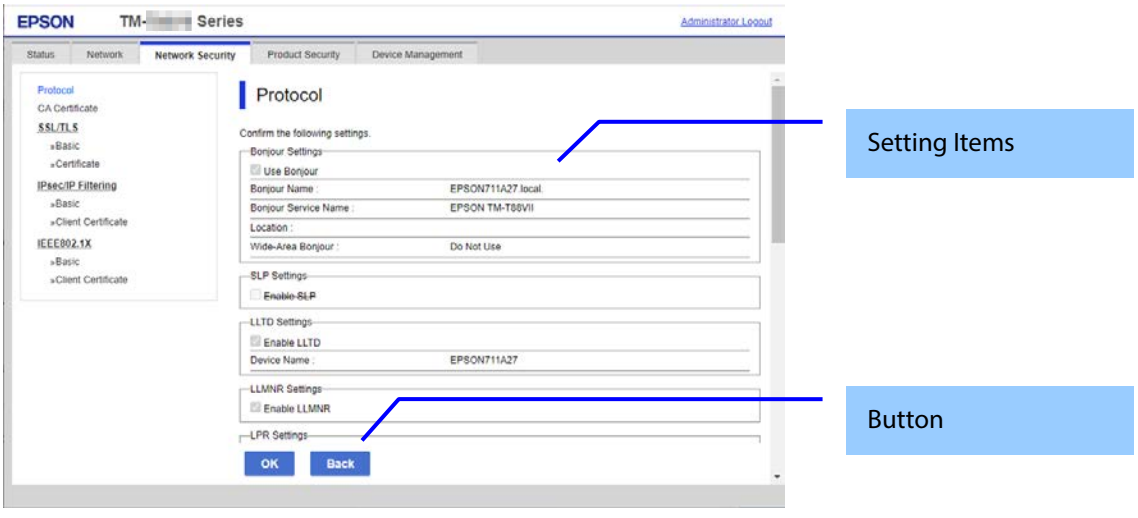


Figure 10-19 Confirmation Page

10.3.1.2.2 Setting Items

The settings entered on the previous page are shown for confirmation, after the message “Change the following settings”.
The following message is shown below the confirmed settings.

“Communication will be shut down temporarily to enable the new settings.”

“ You will not be able to access the network immediately after the settings are changed.”

10.3.1.2.3 Button

The following table shows the buttons on the page.

Table 10-65 Button

Items	Description
"OK"	- Button at the bottom of the main frame to perform settings.
"Back"	- Button at the bottom of the main frame to go back to the previous page.

10.3.1.3 Result page

10.3.1.3.1 Image

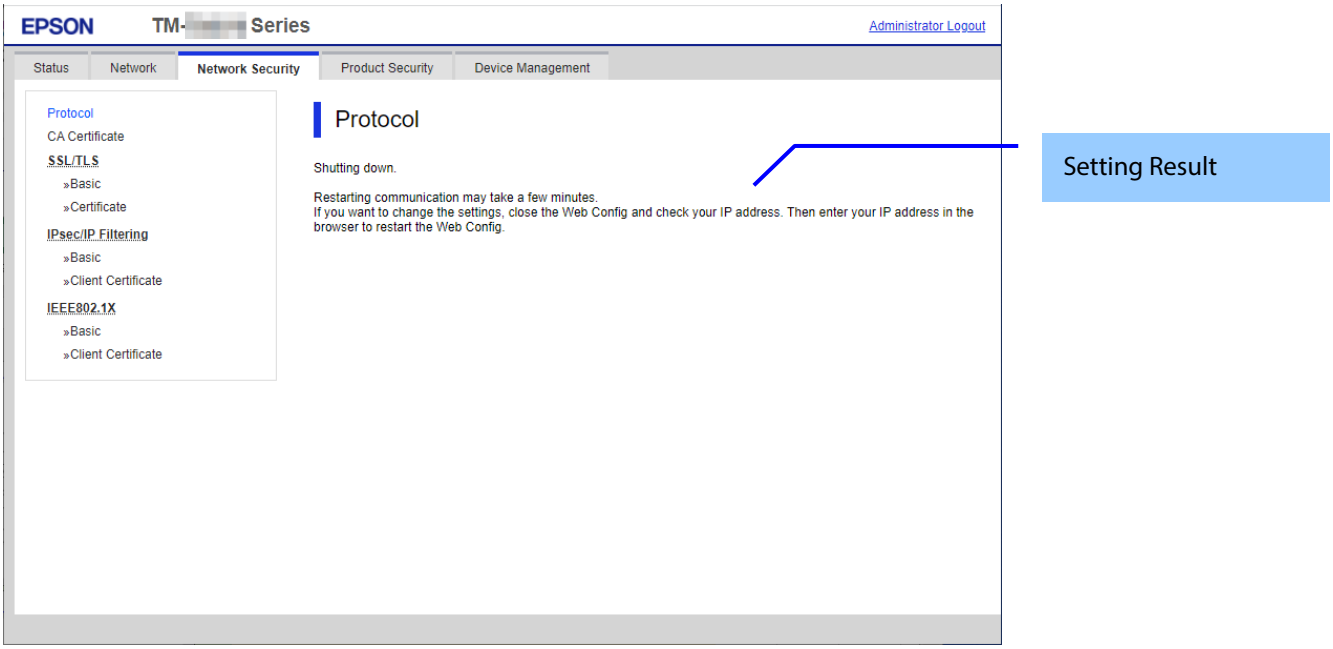


Figure 10-20 Result page

10.3.1.3.2 Setting Result

Table 10-66 Setting Result

Items	Description
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

10.3.2 CA Certificate

10.3.2.1 Top page

On the CA Certificate top page, you can import, display, and delete CA Certificate. If importing or deleting is successful, this page is shown. The following figure shows the layout of the CA Certificate top page.

10.3.2.1.1 Image

The following figure shows the layout of the top page.

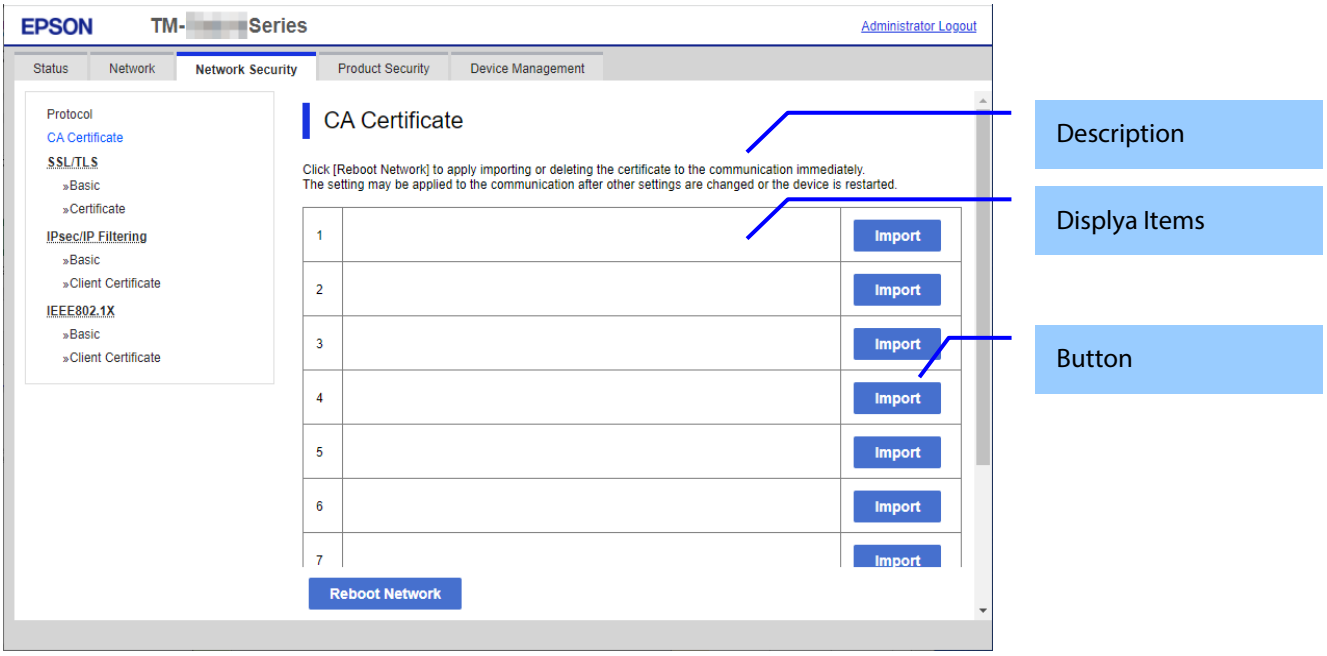


Figure 10-21 Top page

10.3.2.1.2 Description Items

Table 10-67 Description

Items	Description
“Click [Reboot Network] to apply importing or deleting the certificate to the communication immediately.”	Fixed Strings
“The setting may be applied to the communication after other settings are changed or the device is restarted.”	Fixed Strings

10.3.2.1.3 Display Items

Table 10-68 Display Items

Items	Description
“1”	- Shows the content of the server certificate imported into the printer.
“2”	Same as above
“3”	Same as above
“4”	Same as above
“5”	Same as above
“6”	Same as above
“7”	Same as above
“8”	Same as above
“9”	Same as above
“10”	Same as above

10.3.2.1.4 Button

Table 10-69 Button

Items	Description	Condition
"Import"	Button used to import CA certificate	This button is shown when CA Certificate is not imported.
"Delete"	Button used to delete the imported CA certificate	This button is shown when CA Certificate is imported.
"Reboot Network"	Button used to reboot network functions	-

10.3.2.1.5 Delete

A pop-up window is shown when the "Delete" button in the CA certificate settings is pressed.
The following figure shows the layout of the page for deleting the CA certificate.

Table 10-70 Pop-up window

Items	Description
"The certificate of No. %d will be deleted."	Static strings

10.3.2.1.6 Reboot Network

A pop-up window is shown when the 'Reboot Network' button on the CA certificate page is pressed.
The following figure shows the layout of the reboot network page.

Table 10-71 Pop-up window

Items	Description
"The network will be rebooted." "Communication will be shut down temporarily."	Static strings.

10.3.2.2 Import page

The page is shown after the 'Import' button is pressed.
The following figure shows the layout of the page for importing the CA certificate into the printer.

10.3.2.2.1 Image

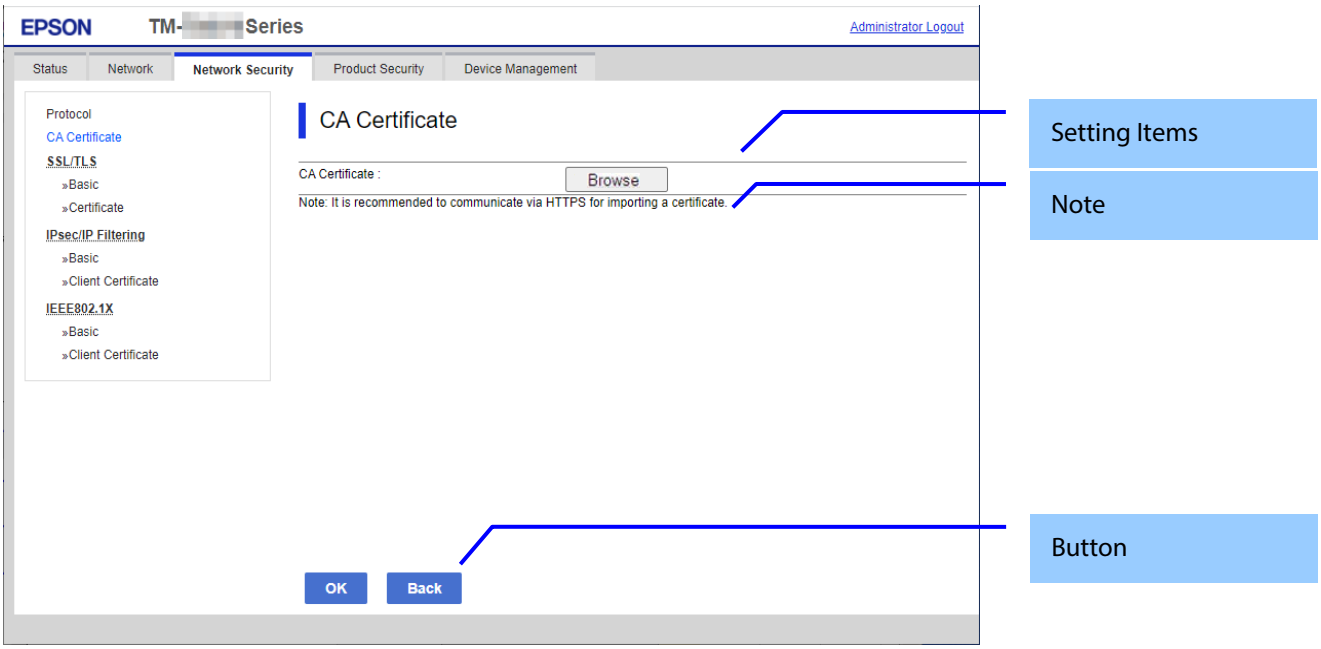


Figure 10-22 Import page

10.3.2.2.2 Setting Items

Table 10-72Setting Items

Items	Description
"CA Certificate"	-Enter the file of the CA certificate to import it into the printer. You can also use the file button to select the file.

10.3.2.2.3 Note

The following table shows the note on the CA Certificate Import page.

Table 10-73 Note

Items	Description
"Note: It is recommended to communicate via HTTPS for importing a certificate."	Fixed Strings

10.3.2.2.4 Button

Table 10-74Button

Items	Description
"OK"	-Button at the bottom of the main frame to perform importing. After the "Import" button is pressed, Web Config displays one of the following pages depending on the result. - If importing is successful, the top page is shown in the main frame. - If importing fails, the result page is shown in the main frame. - If the entered value is invalid, a pop-up window is shown.
"Back"	Button at the bottom of the main frame for going back to the top page of the CA Certificate settings.

10.3.2.2.5 Error pop-up window

Table 10-75 Error pop-up window

Items	Description
"Select a CA Certificate."	This message is shown when the file of the CA Certificate is not selected.

10.3.2.3 Result page

After the "Import" button is pressed, the top page is shown in the main frame if importing is successful.
After the "Import" button is pressed, the result is shown in the main frame if importing fails.

10.3.2.3.1 Image

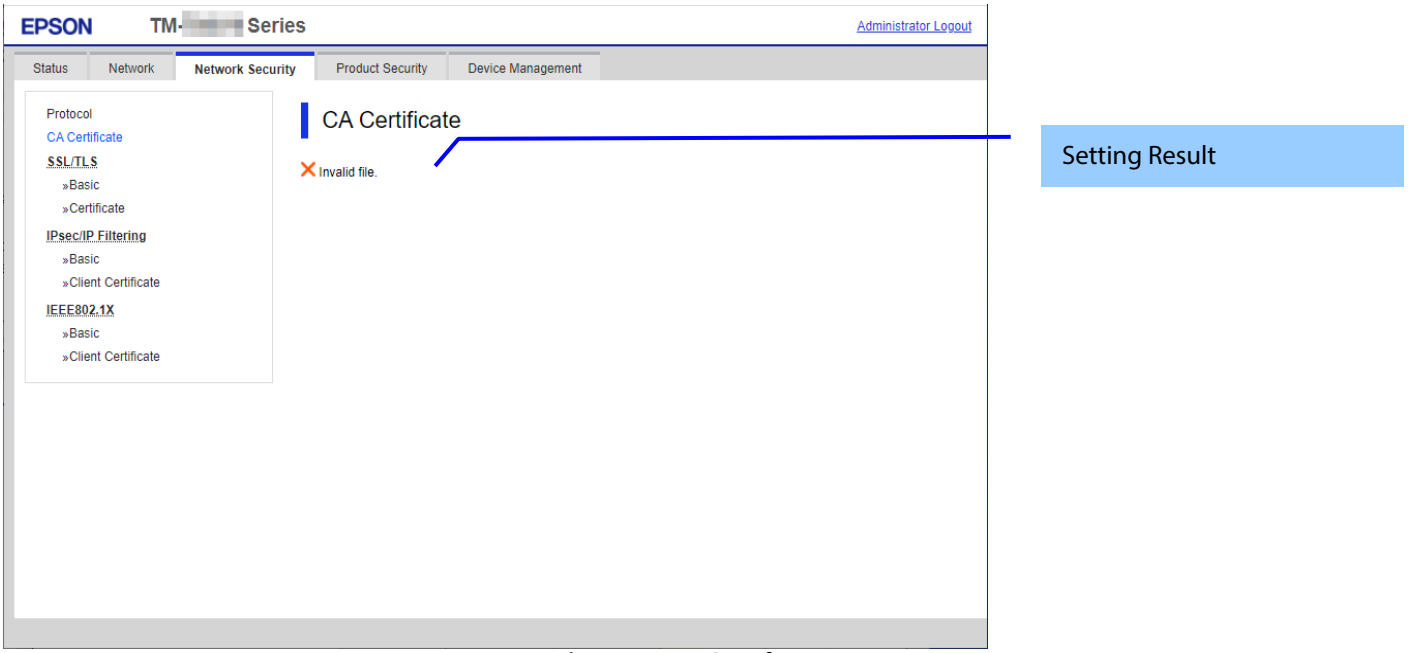


Figure 10-23 Result page

10.3.2.3.2 Setting Result

Table 10-76 Result

Items	Description
"Invalid file."	This message is shown in the following cases. - The file uses an incorrect format or wrong interrelation. - The file size is greater than the stipulated range of 5k to 24k. (See the note.)
"Invalid date and time."	This message is shown when an expired certificate is imported, and the date and time are not set.
"The certificate has expired. Check if the certificate is valid, or check the date and time on the product."	This message is shown when an expired certificate is imported, and the date and time are already set.
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when network rebooting is successful.
"Setup failed."	This message is shown when importing or network rebooting fails.

Note: If the size of a certificate to be imported is larger than 24KBytes, the device is unable to read it and a Web browser error is shown.

10.3.3 SSL/TLS

In the SSL/TLS settings area, you can configure the settings related to the HTTP server the printer supports.

Table 10-77 Sub menu

Sub menu
“Basic”
“Certificate”

10.3.3.1 Basic

10.3.3.1.1 Top page

10.3.3.1.1.1 Image

The following figure shows the layout of the top page.

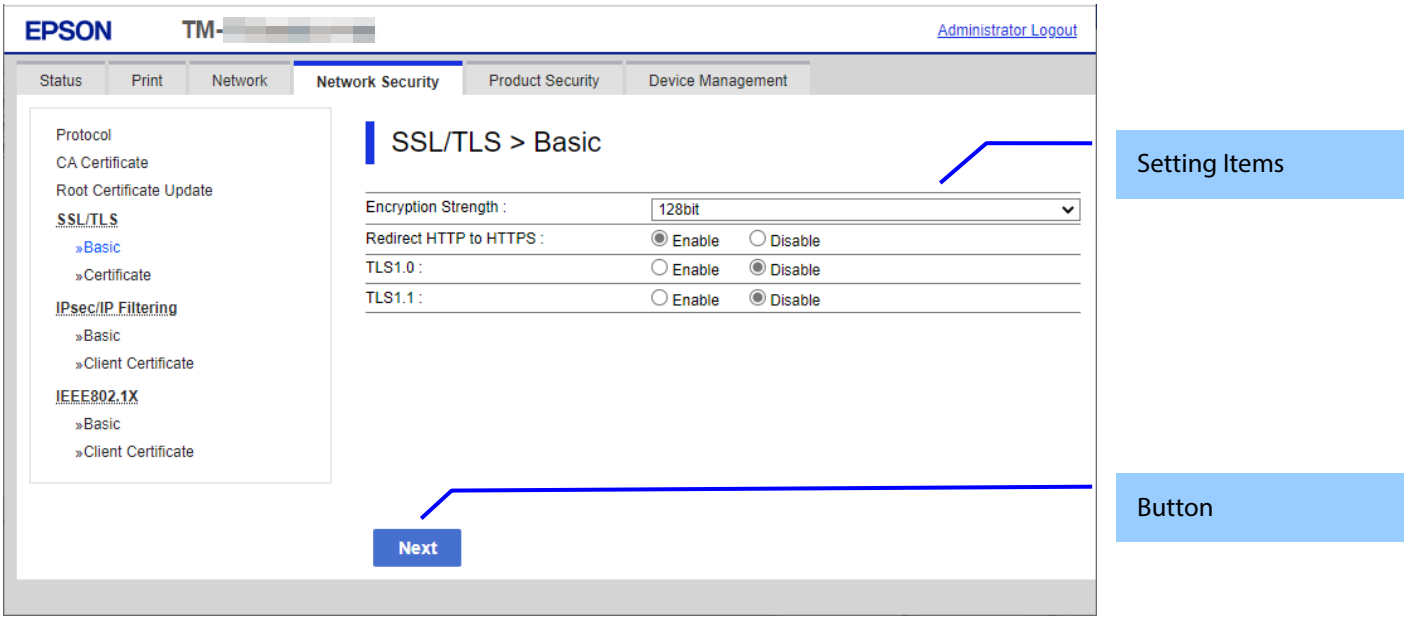


Figure 10-24Top page

10.3.3.1.1.2 Setting Items

Table 10-78 Setting Items

Items	Description
“Encryption Strength”	-Use the drop-down list to choose the strength of the encryption. “80bit” / “112bit” / “128bit” / “192bit” / “256bit”
“Redirect HTTP to HTTPS”	- You can change whether or not the printer allows redirecting HTTP to HTTPS. “Enable” / “Disable”
“TLS1.0”	- Two radio buttons are provided to choose either of the followings: “Enable” / “Disable”
“TLS1.1”	- Two radio buttons are provided to choose either of the followings: “Enable” / “Disable”

10.3.3.1.1.3 Button

Table 10-79 Button

Items	Description
“Next”	There is the button at the bottom of the confirmation page.

10.3.3.1.2 Confirming page

The confirmation page appears when the "Next" button is pressed on the previous settings page.

10.3.3.1.2.1 Image

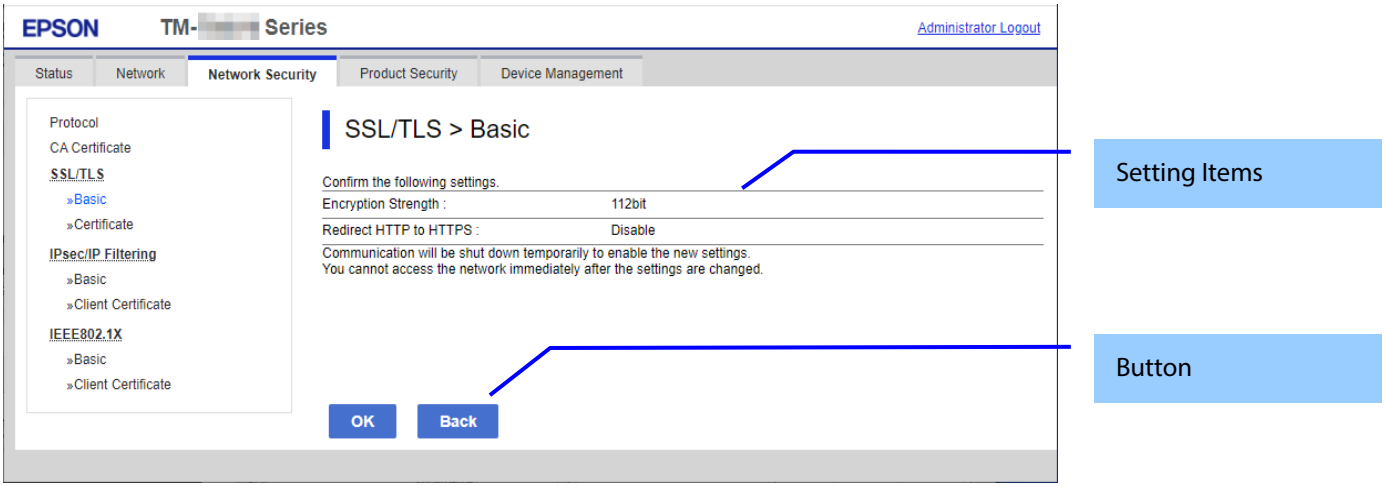


Figure 10-25 Confirming page

10.3.3.1.2.2 Setting Items

The settings entered on the previous page are shown for confirmation, after the message "Change the following settings".
The following message is shown below the confirmed settings.
"Communication will be shut down temporarily to enable the new settings."
" You will not be able to access the network immediately after the settings are changed."

10.3.3.1.2.3 Button

The following table shows the buttons on the page.

Table 10-80 Button

Items	Description
"OK"	- Button at the bottom of the main frame to perform settings.
"Back"	- Button at the bottom of the main frame to go back to the previous page.

10.3.3.1.3 Result page

The following result is shown in the main frame after the "OK" button is pressed.

10.3.3.1.3.1 Image

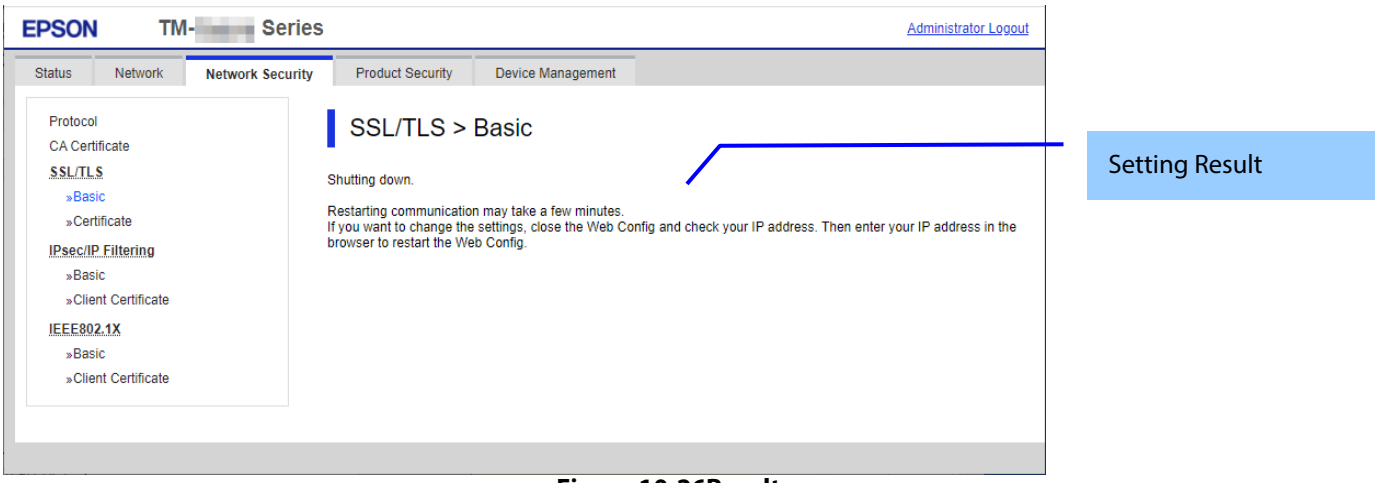


Figure 10-26Result page

10.3.3.1.3.2 Setting Result

Table 10-81 Setting Result

Items	Description
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

10.3.3.2 Certificate

10.3.3.2.1 Top page

10.3.3.2.1.1 Image

The following figure shows the layout of the top page.

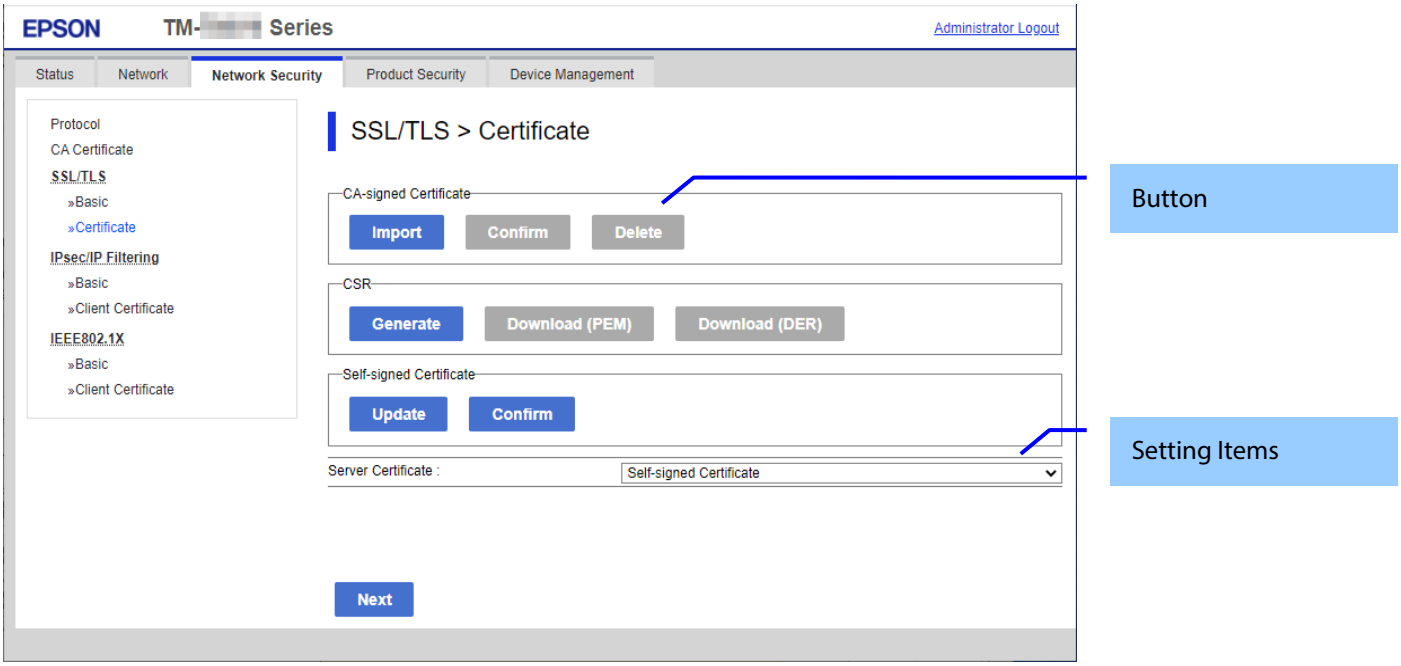


Figure 10-27 Top page

10.3.3.2.1.2 Setting Items

You can choose the certificate used for the SSL/TLS connection.

Table 10-82Setting Items

Items	Description
“Server Certificate”	Use the drop-down list to make a choice. “CA-signed Certificate”/”Self-signed Certificate” If a CA-signed certificate is not imported, a self-signed certificate is chosen automatically by the printer.

10.3.3.2.1.3 Button

The following table shows the button on the page.

Table 10-83 Button

Items (Group Name)	Items (Button Name)	Description	Condition
“Server Certificate”	“Next”	-Button for changing the server certificate for SST/TLS	-
“CA-signed Certificate”	“Import”	- Button for importing a CA-signed certificate	-
	“Confirm”	- Button for confirming the imported CA-signed certificate	CA-signed certificate imported
	“Delete”	- Button for deleting the imported CA-signed certificate	Enabled if a CA-signed certificate is imported but not in use
“CSR”	“Generate”	- Button for moving to the settings page to generate CSR	-
	“Download (PEM)”	- Button for downloading the CSR date in PEM format	-CSR created.
	“Download (DER)”	- Button for downloading the CSR date in PEM format	-CSR created.

“Self-signed Certificate”	“Update”	- Button for moving to the settings page to update the self-signed certificate If the date and time are not adjusted in the printer, the following message is shown in the main frame. “Invalid Date and Time.”	-
	“Confirm”	- Button for moving to the confirmation page for the self-signed certificate	-

10.3.3.2.2 Importing for CA-signed certificate

10.3.3.2.2.1 Import Top Page

This page is shown after the ‘Import’ button in the CA-signed certificate settings is pressed.
The following figure shows the layout of the page for importing the CA-signed certificate into the printer.

10.3.3.2.2.1.1 Image

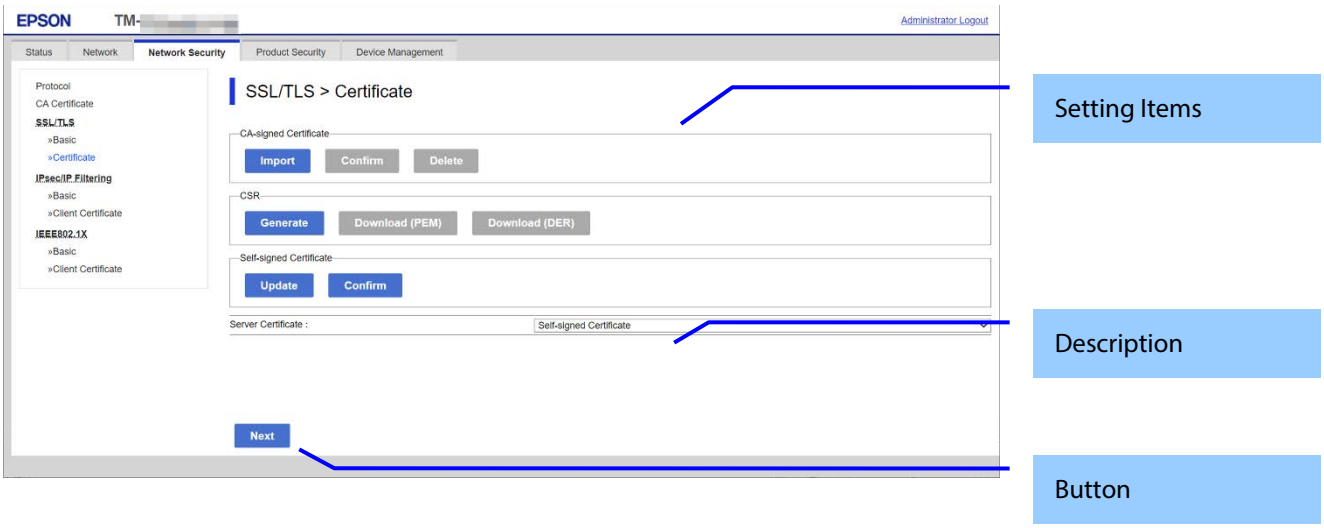


Figure 10-28 Import Top Page

10.3.3.2.2.1.2 Setting Items

On the Import Top Page, the following items can be controlled by the administrator.

Table 10-84 Setting Items

Items	Description	Condition
“Server Certificate”	-Enter the file of the server certificate to import it into the printer. You can also use the file button to select the file.	-
File Format	Choose the file format of the server certificate to import it into the printer. “Certificate (PEM/DER)”/ “Certificate with Private Key (PKCS#12)”	-
“Private Key”	-Enter the private key file of the server certificate to import it into the printer. You can also use the file button to select the file.	-Enabled if certificate (PEM/DER) selected
“Password”	-Enter the passphrase for encryption to create a private key. Usable string: ASCII code (0x20-0x7E) Max of 48 characters.	- Enabled if certificate with private key (PKCS#12) selected
“CA Certificate 1”	-Enter the file of the certificate signed by CA issuing the server certificate to import it into the printer. You can also use the file button to select the file.	- Enabled if certificate (PEM/DER) selected
“CA Certificate 2”	-Enter the file of the certificate signed by CA issuing the first CA certificate to import it into the printer. It also is able to select the file using file button.	- Enabled if certificate (PEM/DER) selected

10.3.3.2.2.1.3 Description Items

Table 10-85 Description Items

Items	Description
"Note: It is recommended to communicate via HTTPS for importing a certificate."	Fixed Strings
"To use ePOS-Device, use a Certificate which Key Length is RSA."	Fixed Strings

10.3.3.2.2.1.4 Button

The following table shows the buttons on the page.

Table 10-86 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "OK" button is pressed, Web Config performs the following operations depending on conditions. - If the entered value is invalid, Web Config displays a pop-up window with an error message. - If the entered value is NOT invalid and a CA-signed Certificate was imported already, Web Config displays a pop-up window with a warning message. - If the entered value is NOT invalid and a CA-signed Certificate was NOT imported already, Web Config displays a Result page.
"Back"	- Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.3.2.3 Confirm for CA-signed certificate

This page is shown after 'Confirm' for the import is pressed in the CA-signed certificate settings.
The following figure shows the layout of the page for confirming imported certificates.

10.3.3.2.3.1 Confirm Page

10.3.3.2.3.1.1 Image

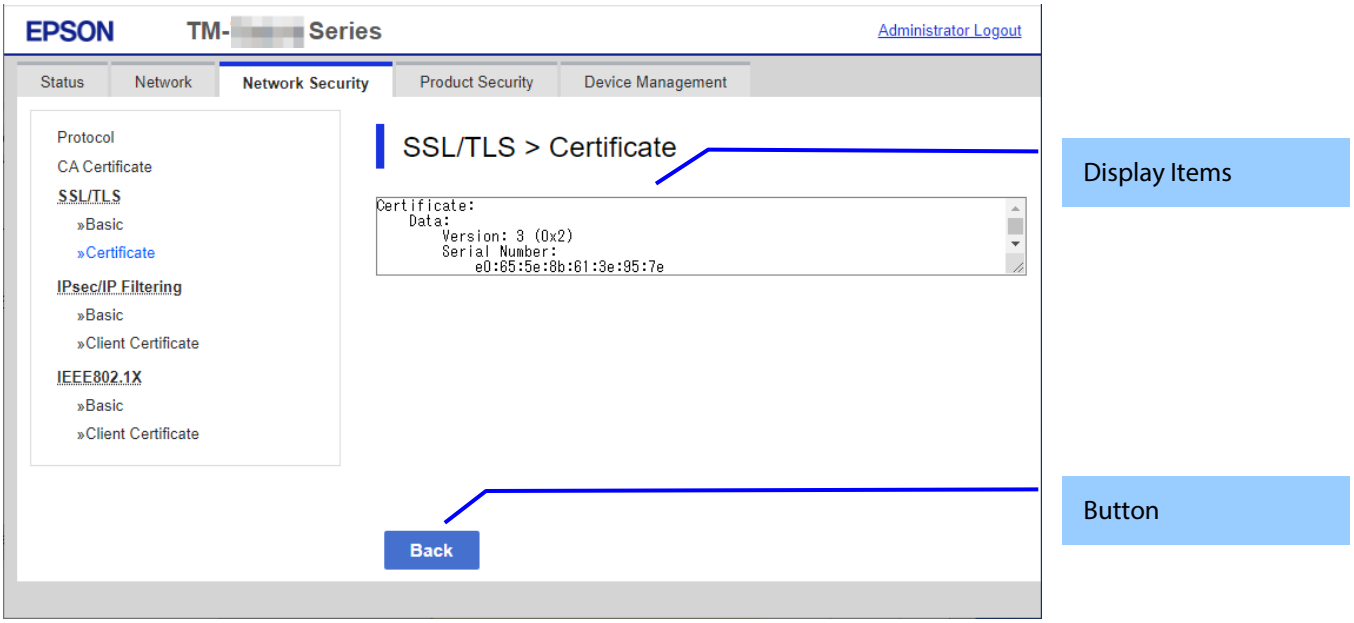


Figure 10-29 Confirm for CA-signed certificate

10.3.3.2.3.1.2 Display Items

Table 10-87 Display Items

Items	Description
"Server Certificate"	Shows the content of the server certificate imported into the printer
"CA Certificate 1"	Shows the content of the first CA-signed certificate imported into the printer
"CA Certificate 2"	Shows the content of the second CA-signed certificate imported into the printer

10.3.3.2.3.1.3 Button

Table 10-88 Button

Items	Description
“Back”	- Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.3.2.4 Generate CSR(Certificate Signing Request)

10.3.3.2.4.1 Generate Top Page

This page is shown after ‘Generate’ for importing in the CSR settings is pressed.
The following figure shows the layout of the page for generating CSR.

10.3.3.2.4.1.1 Image

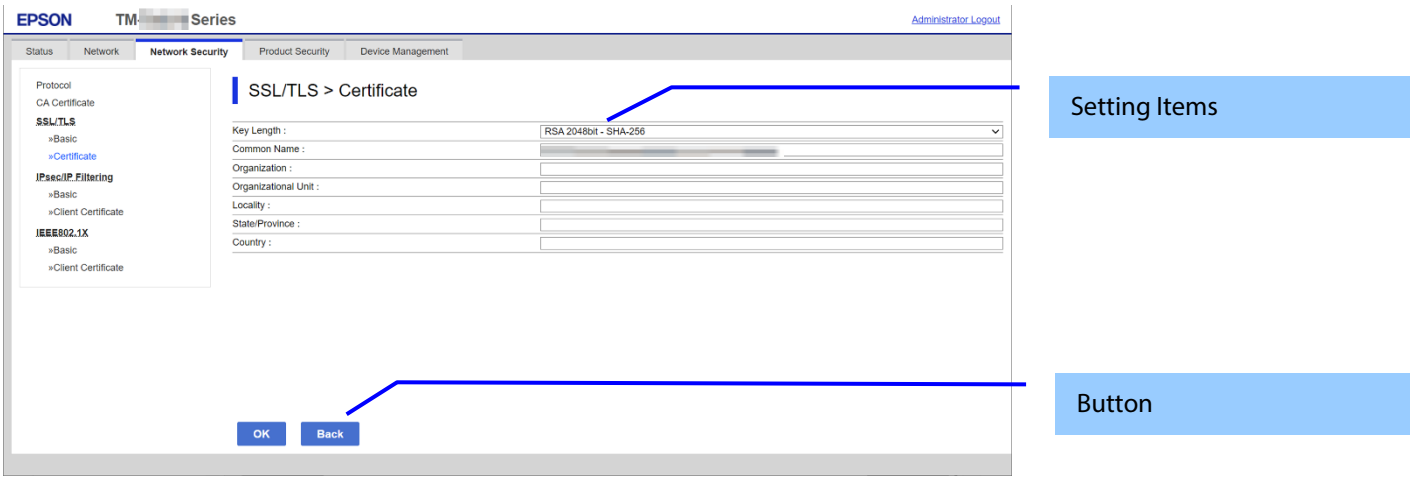


Figure 10-30 Generate CSR(Certificate Signing Request)

10.3.3.2.4.1.2 Setting Items

The user must enter the following information to generate CSR.
The following table shows the items on the page.

Table 10-89 Setting Items

Items	Description
“Key Length”	Use the drop-down list to choose the public key size for generating CSR. “RSA 1024bit - SHA-1” / “RSA 2048bit - SHA-256” / “RSA 3072bit - SHA-256” / “EC 256bit - SHA-256” / “RSA 4096bit - SHA-384” / “EC 384bit - SHA-384” / “EC 521bit - SHA-512”
“Common Name”	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (“,”)(0x2c) have a special meaning as control characters. See the NOTE below.
“Organization”	Use the text box to input the organization for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
“Organizational Unit”	Use the text box to input the organization unit for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
“Locality”	Use the text box to input a locality for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
“State/Province”	Use the text box to input a state or province for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
“Country”	Use the text box to input a country for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 2 characters If there is no string, the value is treated as a white space.

NOTE: You can enter multiple names for these items.

10.3.3.2.4.1.3 Button

Table 10-90 Button

Items	Description
"OK"	- Button for generating CSR at the bottom of the main frame
"Back"	-Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "Generate" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-91 Error pop-up window

Items	Description
"Invalid value below. ¥n -%s¥n -%s¥n…"	Shows a warning when a value is entered incorrectly.

10.3.3.2.4.2 Result page

After the OK button is pressed, Web Config shows the hourglass and then goes to the Result page.
(Refer to Deleting a CA-signed certificate.)

10.3.3.2.4.2.1 Result page

Table 10-92 Setting Result

Items	Description
"Setup Complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if the settings fail.

10.3.3.2.5 Download CSR(Certificate Signing Request)

This page is shown after 'Download' for importing in the CSR settings is pressed.
The default name of the downloaded file is in the form of "EXPORT_CSR_<*Serial Number*>_<*Date and Time*>".
<*Serial Number*> is the Product's Serial Number.
<*Date and Time*> is the Date and Time set for the product.

The method of downloading the CSR varies by Web browser.

10.3.3.2.6 Updating self-signed certificates

10.3.3.2.6.1 Update Top Page

This page is shown after 'Update' for the import is pressed in the self-signed certificate settings.
The following figure shows the layout of the page for updating the self-signed certificate that is already embedded in the printer.

10.3.3.2.6.1.1 Image

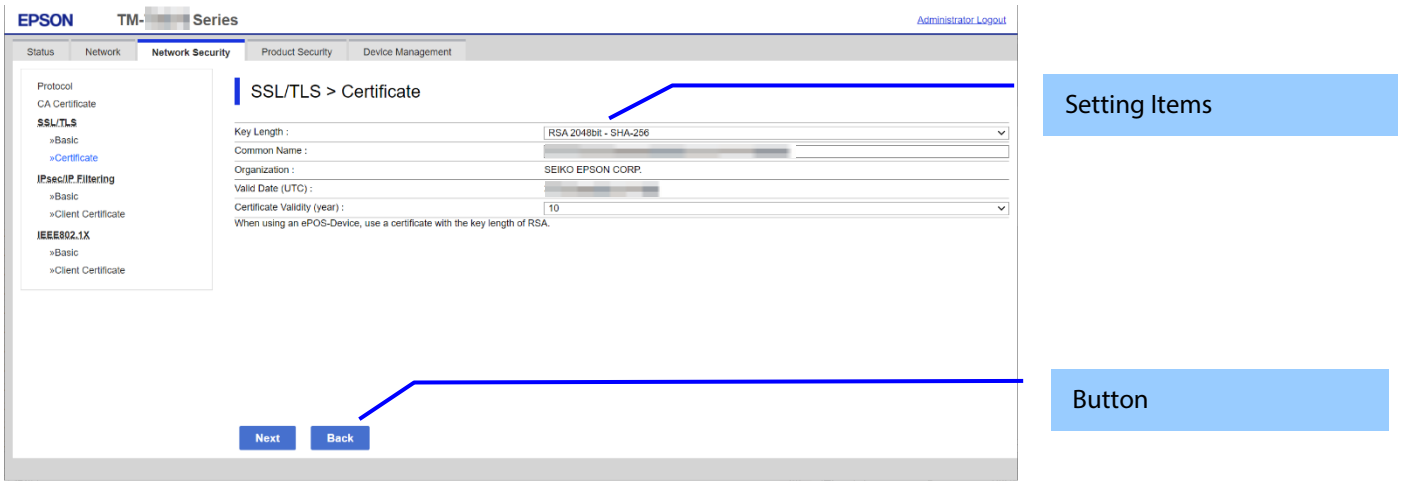


Figure 10-31 Updating self-signed certificates

10.3.3.2.6.1.2 Setting Items

Table 10-93 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for updating the self-signed certificate. "RSA 1024bit - SHA-1" / "RSA 2048bit - SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit - SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit - SHA-512"
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",")(0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	"SEIKO EPSON CORP." -Fixed
"Valid Date (UTC)"	Shows the date and time for the client
"Certificate Validity (year)"	Use the drop-down list to select a year for the valid term of the self-signed certificate. "1" / "2" / "3" / "4" / "5" / "6" / "7" / "8" / "9" / "10" The units are years.
"To use ePOS-Device, use a Certificate which Key Length is RSA."	Fixed strings

NOTE: You can enter multiple names.

10.3.3.2.6.1.3 Button

Table 10-94 Button

Items	Description
"Next"	Button at the bottom of the main frame for updating the self-signed certificate.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "Next" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-95 Error pop-up

Items	Description
" Invalid value below. ¥n -%s¥n -%s¥n…"	Shows the warning with the items of the mis inputted value.

10.3.3.2.6.2 Confirm Settings page

The confirmation page appears when the self-signed certificate is changed.

10.3.3.2.6.2.1 Image

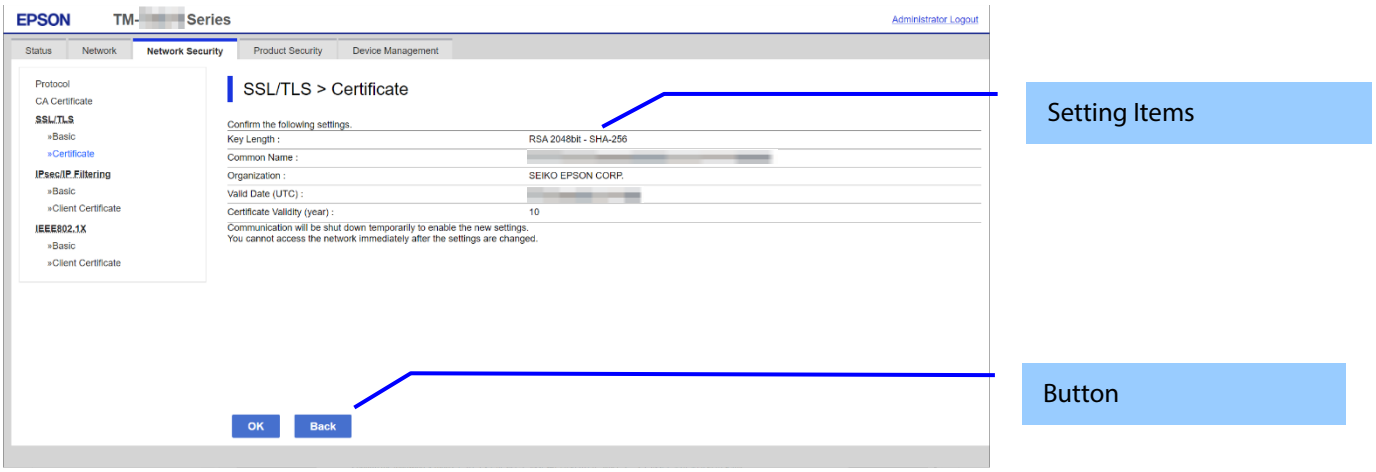


Figure 10-32 Confirm Settings page

10.3.3.2.6.2.2 Setting Items

The settings entered on the previous page are shown for confirmation, after the message “Change the following settings”.
The following message is shown below the confirmed settings.
“Communication will be shut down temporarily to enable the new settings.”
“ You will not be able to access the network immediately after the settings are changed.”

10.3.3.2.6.2.3 Button

Table 10-96 Button

Items	Description
“OK”	Button at the bottom of the main frame to perform settings.
“Back”	Button at the bottom of the main frame to go back to the previous page.

10.3.3.2.6.3 Result page

The following result is shown in the main frame after the “OK” button is pressed.
(Refer to Deleting a CA-signed certificate)

10.3.3.2.6.3.1 Result page

Table 10-97 Setting Result

Items	Description
“Shutting down.” “Restarting communication may take a few minutes.” “If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config.”	This message is shown when the settings are completed. The network shuts down in order to update.
“Date and Time are not set”	This message is shown when the printer’s date and time are not set.
“Setup failed.”	This message is shown if the settings fail.

10.3.3.2.7 Confirm for the self-signed certificate

This page is shown after 'Confirm' for the import is pressed in the self-signed certificate settings.
The following figure shows the layout of the page for confirming certificates.

10.3.3.2.7.1 Confirm Top Page

10.3.3.2.7.1.1 Image

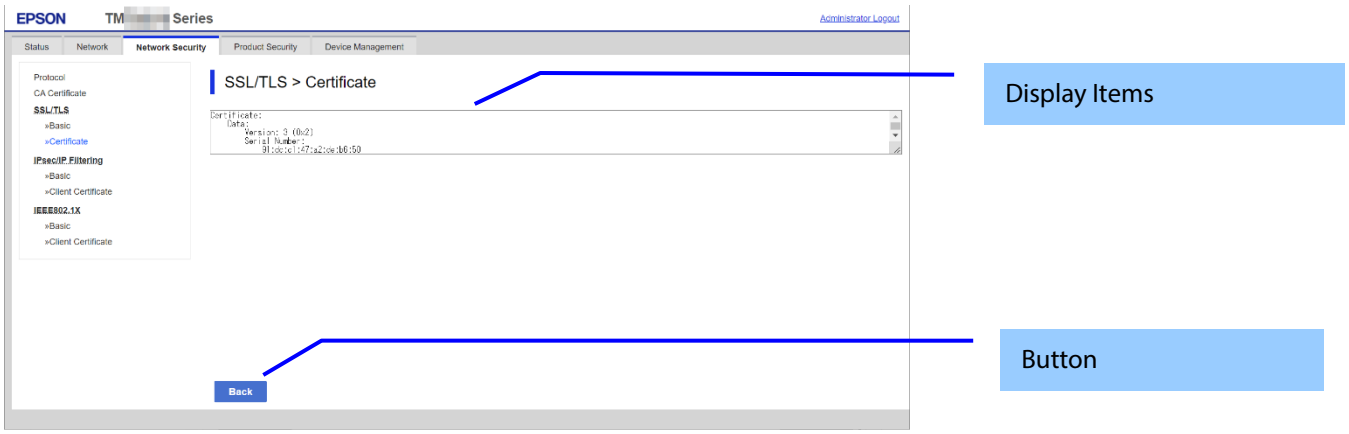


Figure 10-33 Confirming self-signed certificates

10.3.3.2.7.1.2 Display items

Table 10-98 Display Items

Items	Description
"Self-signed certificate"	Shows the content of the self-signed certificate. ASCII, Max. 8192 bytes

10.3.3.2.7.1.3 Button

Table 10-99 Button

Items	Description
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.4 Automatic Certificate Update

10.3.4.1 Top page

10.3.4.1.1 Image

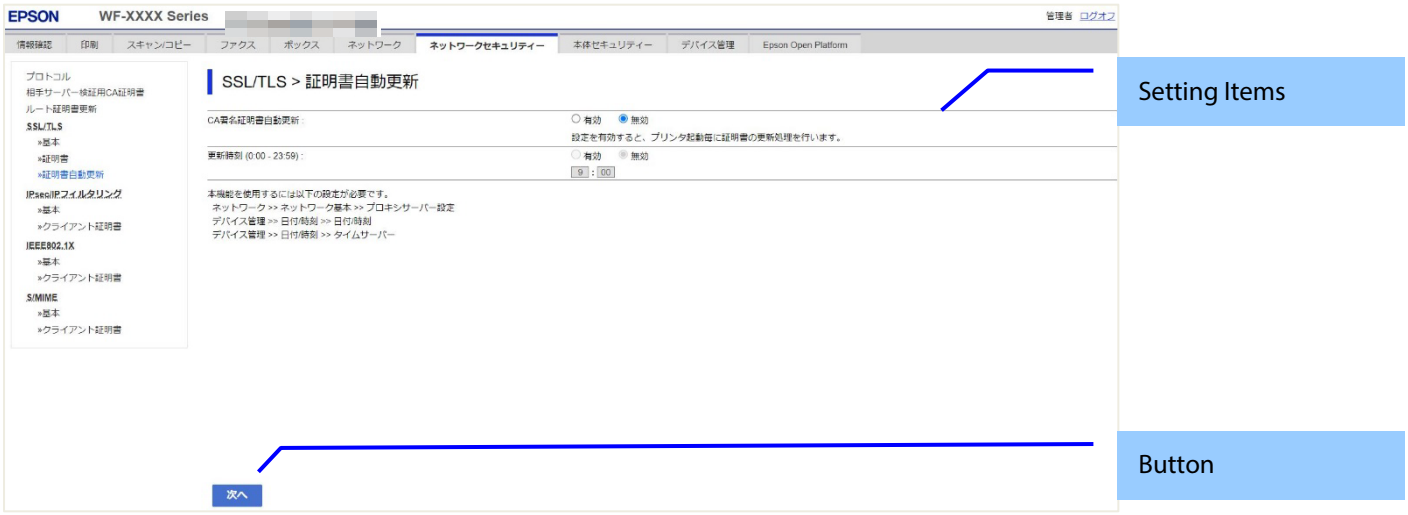


Figure 10-34Top page

10.3.4.1.2 Setting Items

Table 10-100 Setting Items

Items	Description	Condition
"Automatic Update of CA-signed certificates"	Two radio buttons are provided to choose either of the followings: “Enable” / “Disable”	-
"After enabled this setting, it will be started to update the certificate at booted printer."	Fixed strings	-
"Update time (0:00 – 23:59)"	Two radio buttons are provided to choose either of the followings: “Enable” / “Disable”	This item is not grayed-out when “Automatic Update of CA-signed certificates”
	A text box that is enabled when the above Update Time (radio button) is set to "Enable". Display the hour text box, ":", and minute text box in order. Characters that can be entered in each text box "0"～"9" Only 24-hour clock can be entered.	This item is not grayed-out when “Update time (0:00 – 23:59)” is “Enable” and “Automatic Update of CA-signed certificates”.

10.3.4.1.3 Comment

The following table shows a layout of comments.

Table 10-101 Comment

Comment	Description
“When using this function, the following settings are required.” “Network >> Basic >> Proxy Server Setting” “Device Management >> Date and Time >> Date and Time” “Device Management >> Date and Time >> Time Server”	Described at the bottom of the Top page.

10.3.4.1.4 Button

The following table shows the button on the page.

Table 10-102 Button

Items	Description
“Next”	There is the button on bottom of the main frame to go to the confirmation page.

When the "Next" button is pressed, the Web Config displays a pop-up window showing the following message if it recognizes an error in the input value.

Table 10-103 Error pop-up window

Items	Description
“Invalid value below.”	This message is shown when the input value in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.

10.3.4.2 Confirming page

10.3.4.2.1 Image

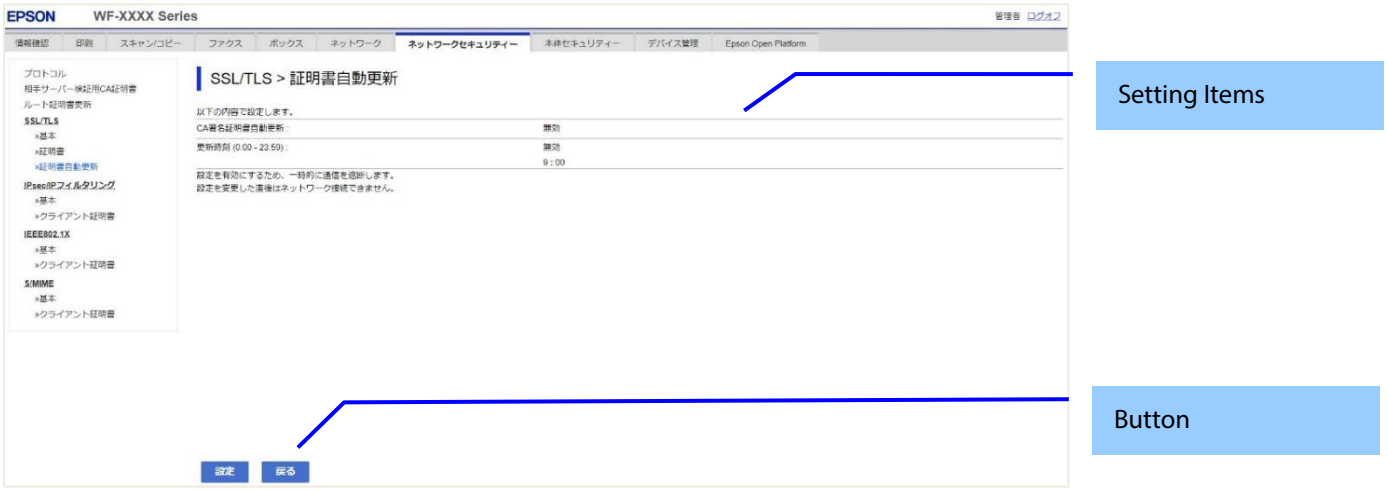


Figure 10-35 Confirming page

10.3.4.2.2 Setting Items

The settings inputted at the previous page are shown for confirming following “Change the following settings”.
And the following message is shown on bottom of the confirming settings.
“Communication will be shut down temporarily to enable the new settings.”
“You cannot access the network immediately after the settings are changed.”

10.3.4.2.3 Button

The following table shows the button on the page.

Table 10-104 Button

Items	Description
“OK”	- The button on bottom of the main frame to perform setting.
“Back”	- The button on bottom of the main frame to go back to previous page.

10.3.4.3 Result page

10.3.4.3.1 Image

Figure 10-36Result page

10.3.4.3.2 Setting Result

Table 10-105 Setting Result

Items	Description
“Shutting down.” “Restarting communication may take a few minutes.” “If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down for updating.
“Setup failed.”	- This message is shown when the settings are failed.

10.3.5 IPsec/IP Filtering

In the IPsec/IP Filtering settings area, you can configure the settings related to IPsec/IP Filtering.

Table 10-106 Sub menu of IPsec

Sub menu
“Basic”
“Client Certificate”

10.3.5.1 Basic

You can configure the default policy and group policies for IPsec/IP Filtering in the basic settings. This page consists of a default policy and group policies 1 ~ 10.

10.3.5.1.1 Top page

10.3.5.1.1.1 Default Policy

10.3.5.1.1.1.1 Image

The following figure shows the layout for the Setting Items of Default Policy page.

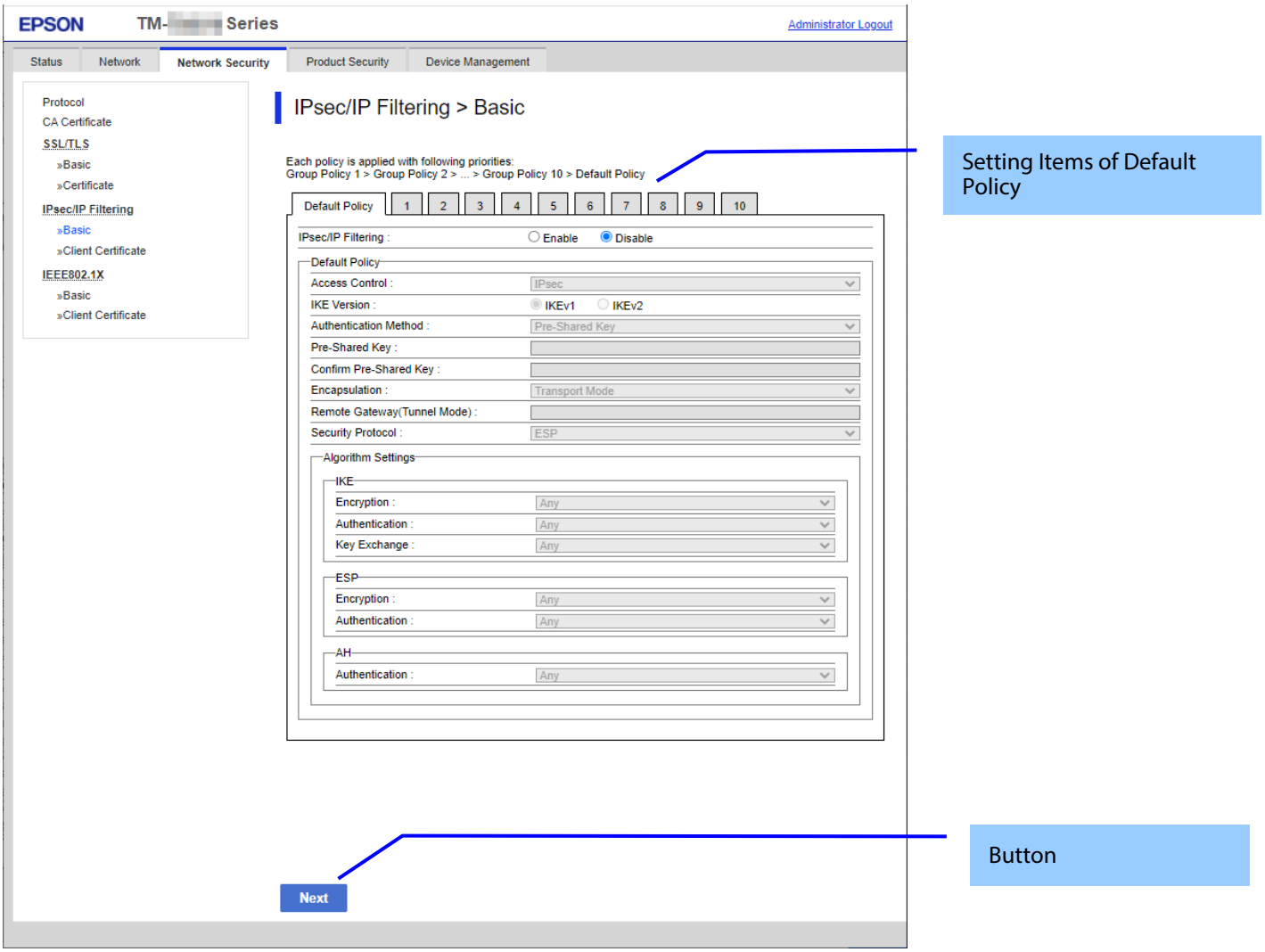


Figure 10-37 IPsec Default Policy

10.3.5.1.1.1.2 Setting Items of Default Policy

The following figure shows the layout of this settings area.

Table 10-107 Setting Items

Items	Description	Condition
"Each policy is applied with following priorities:" "Group Policy 1 > Group Policy 2 > ... > Group Policy 10 > Default Policy"	Description of the policy	-
"IPsec/IP Filtering"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	-
"Default Policy"	Title	-
"Access Control"	Use the drop-down list to make a choice. "Permit Access" / "Refuse Access" / " IPsec"	If "IPsec/IP Filtering" is "Enabled", this item can be configured.
"IKE Version"	Use the radio buttons to choose "IKEv1"/"IKEv2".	If "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec", this item can be configured.
"Authentication Method"	Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"Pre-Shared Key"	Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"Confirm Pre-Shared Key"	Same as "Pre-Shared Key"	Same as "Pre-Shared Key".
"Local"	Title	This item is displayed when "IKE Version" is "IKEv2".
"Authentication Method"	Use the drop-down list to make a choice. "Pre-Shared Key"/"Certificate"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"ID Type"	Use the drop-down list to make a choice. "Distinguished Name" / "IP Address" / "FQDN" / "Email Address" / "Key ID"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled", "Access Control" is "IPsec", and "Authentication Method" for "Local" is "Pre-Shared Key".

“ID”	The values that can be entered depends on the selection for “ID Type”. [@][#][=] cannot be used as the first character, regardless of the type selected. “Distinguished Name”: ASCII, 1-255 characters. Must use [=]. “IP Address”: IPv4, IPv6 “FQDN”: ASCII (alphanumeric, dot, hyphen), 1-255 characters “Email Address”: ASCII, 1-255 characters. Must use [@]. [=] cannot be used. “Key ID”: ASCII, 1-255 characters	This item is displayed when “IKE Version” is “IKEv2” and “ID Type” for “Local” is anything other than “IP Address”. This item is enabled when “IPsec/IP Filtering” is “Enabled”, “Access Control” is “IPsec”, and “Authentication Method” for “Local” is “Pre-Shared Key”.
“Pre-Shared Key”	Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max. 127 characters.	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enabled”, “Access Control” is “IPsec”, and “Authentication Method” for “Local” is “Pre-Shared Key”.
“Confirm Pre-Shared Key”	Same as “Pre-Shared Key”.	- Same as “Pre-Shared Key”.
“Remote”	Title	This item is displayed when “IKE Version” is “IKEv2”.
“Authentication Method”	Use the drop-down list to make a choice. “Pre-Shared Key” / “Certificate”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enabled” and “Access Control” is “IPsec”.
“ID Type”	Use the drop-down list to make a choice. “Distinguished Name” / “IP Address” / “FQDN” / “Email Address” / “Key ID”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enabled”, “Access Control” is “IPsec”, and “Authentication Method” for “Remote” is “Pre-Shared Key”.
“ID”	The values that can be entered depends on the selection for “ID Type”. [@][#][=] cannot be used as the first character, regardless of the type selected. “Distinguished Name”:ASCII, 1-255 characters. Must use [=]. “IP Address”:IPv4, IPv6 “FQDN”: ASCII(alphanumeric, dot, hyphen), 1-255 characters “Email Address”: ASCII, 1-255 characters. Must use [@]. [=] cannot be used. “Key ID”: ASCII, 1-255 characters	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec” and “Authentication Method” of “Remote” is “Pre-Shared Key”.
“Pre-Shared Key”	Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec” and “Authentication Method” of “Remote” is “Pre-Shared Key”.
“Confirm Pre-Shared Key	Same as “Pre-Shared Key”.	- Same as “Pre-Shared Key”.
“Encapsulation”	Use the drop-down list to make a choice. “Transport Mode” / “Tunnel Mode”	If “IPsec/IP Filtering” is “Enable” and “Access Control” is “ IPsec” ,it is possible to set this item.
“Remote Gateway(Tunnel Mode)”	Enter an IPv4 address or IPv6 address. Max of 39 characters.	If “IPsec/IP Filtering” is “Enable” , “Access Control” is “ IPsec” and “Encapsulation” is “Tunnel Mode” ,it is possible to set this item.

“Security Protocol”	Use the drop-down list to make a choice. “ESP” / “AH”	If “IPsec/IP Filtering” is “Enable” and “Access Control” is “ IPsec”, ,it is possible to set this item.
“Algorithm Settings”	Title strings. “IKE”, “ESP”, and “AH” are included.	-
“IKE”	Title strings. “Encryption”, “Authentication” and “Key Exchange” are contained.	-
“Encryption”	Use the drop-down list to choose from the following. “AES-CBC-128” / “AES-CBC-192” / “AES-CBC-256” / “3DES” / “Any”	This item is displayed when “IKE Version” is “IKEv1”. This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec”.
“Encryption”	Use the drop-down list to choose from the following. “AES-CBC-128” / “AES-CBC-192” / “AES-CBC-256” / “AES-GCM-128” / “AES-GCM-192” / “AES-GCM-256” / “3DES” / “Any”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec”.
“Authentication”	Use the drop-down list to choose from the following. “SHA-1” / “SHA-256” / “SHA-384” / “SHA-512” / “MD5” / “Any”	This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec”.
“Key Exchange”	Use the drop-down list to choose from the following. “DH Group 1” / “DH Group 2” / “DH Group5” / “DH Group14” / “DH Group15” / “DH Group16” / “DH Group17” / “DH Group18” / “DH Group19” / “DH Group20” / “DH Group21” / “DH Group22” / “DH Group23” / “DH Group24” / “DH Group25” / “DH Group26” / “Any”	This item is displayed when “IKE Version” is “IKEv1”. This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec”.
“Key Exchange”	Use the drop-down list to choose from the following. “DH Group 1” / “DH Group 2” / “DH Group5” / “DH Group14” / “DH Group15” / “DH Group16” / “DH Group17” / “DH Group18” / “DH Group19” / “DH Group20” / “DH Group21” / “DH Group22” / “DH Group23” / “DH Group24” / “DH Group25” / “DH Group26” / “DH Group27” / “DH Group28” / “DH Group29” / “DH Group30” / “Any”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec”.
“ESP”	Title strings. “Encryption” and “Authentication” are contained.	-
“Encryption”	Use the drop-down list to choose from the following. “AES-CBC-128” / “AES-CBC-192” / “AES-CBC-256” / “AES-GCM-128” / “AES-GCM-192” / “AES-GCM-256” / “3DES” / “Any”	This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec” and “Security Protocol” is “ESP”.
“Authentication”	Use the drop-down list to choose from the following. “SHA-1” / “SHA-256” / “SHA-384” / “SHA-512” / “MD5” / “Any”	This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec” and “Security Protocol” is “ESP”. This item is disabled when “Encryption” of “ESP” is “AES-GCM-128” or “AES-GCM-192” or “AES-GCM-256”.
“AH”	Title strings. “Authentication” is contained.	-
“Authentication”	Use the drop-down list to choose from the following.. Support algorithms refer to the Network Functional Specifications. “SHA-1” / “SHA-256” / “SHA-384” / “SHA-512” / “MD5” / “Any”	This item is enabled when “IPsec/IP Filtering” is “Enable”, “Access Control” is “ IPsec” and “Security Protocol” is “AH”.

10.3.5.1.1.1.3 Button

Table 10-108 Button

Items	Description
"Next"	If pressed, Web Config goes to the Confirm IPsec Settings page.

If Web Config recognizes an error in the entered value after the Next button is pressed, the following error pop-up is shown.

Table 10-109 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
<The case of products with printing function > "The combination of Local Address (Printer) and Remote Address (Host) is incorrect." <The case of sccaner> "The combination of Local Address (Scanner) and Remote Address (Host) is incorrect."	This message is displayed if the combination of the Local Address (Printer/Scanner) and Remote Address (Host) is incorrect. See the following table.
"Select 1 to 10 service names."	Displayed if there are 0 or 11 or more checks for "Service Name".
"Pre-shared keys you entered do not match."	Displayed if the values you entered for the Pre-shared keys do not match

-Permit Access or Refuse Access

Permit Access or Refuse Access		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Adress)IPv4	✓	-	-	✓
	(Specify IP Adress) fe80::~	-	✓	-	-
	(Specify IP Adress)fe80::~	-	-	✓	✓
	(Specify IP Adress Range) IPv4	✓	-	-	✓
	(Specify IP Adress Range) fe80::~	-	✓	-	-
	(Specify IP Adress Range) Except fe80::~	-	-	✓	✓
	(Blank) Any	✓	-	✓	✓

IPsec

IPsec		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Adress)IPv4	✓	-	-	✓
	(Specify IP Adress) fe80::~	-	-	-	-
	(Specify IP Adress)fe80::~	-	-	✓	✓
	(Specify IP Adress Range) IPv4	-	-	-	-
	(Specify IP Adress Range) fe80::~	-	-	-	-
	(Specify IP Adress Range) Except fe80::~	-	-	-	-
	(Blank) Any	✓	-	✓	✓

✓: Cannot be set.

- : Cannot be set. The message "The combination of Local Address (Printer/Scanner) and Remote Address (Host) is incorrect." is displayed.

*: Does not include IPv6 link-local address

10.3.5.1.1.2 Group Policy

10.3.5.1.1.2.1 Image

The following figure shows the layout of the Setting Items on the Group Policy page.

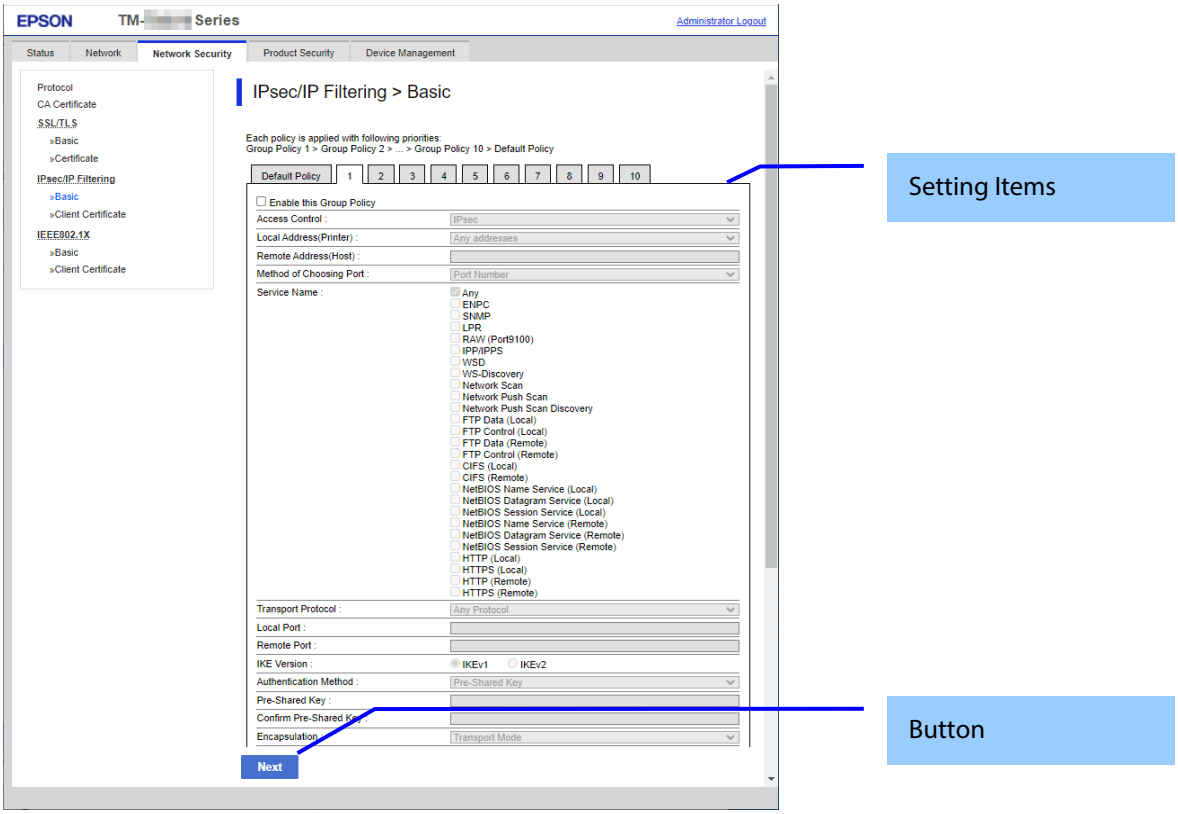


Figure 10-38 Group Policy of IPsec Basic Top page

10.3.5.1.1.2.2 Setting Items of Group Policy

The following figure shows a layout of this settings area.

Table 10-110 Setting Items

Items	Description	Description
"Each policy is applied with following priorities:" "Group Policy 1 > Group Policy 2 > ... > Group Policy 10 > Default Policy"	Description of the policy.	-
"Enable this Group Policy"	Enabled if the check box is selected	-
"Access Control"	- Use the drop-down list to make a choice. "Permit Access"/"Refuse Access"/"IPsec"	- If "Enable this Group Policy" is enabled, this item can be configured.
<The case of products with printing function > "Local Address(Printer)" <The case of scanner > "Local Address (Scanner)"	-Use the drop-down list to make a choice. "Unavailable" / "Any addresses"/ /IPv4 Address / IPv6 Address / IPv6 Link-Local Address / IPv6 Stateful Address/ IPv6 Stateless Address 1 / IPv6 Stateless Address 2 / IPv6 Stateless Address 3 IPv6Address, IPv6LinklocalAddress, IPv6StatelessAddress1, IPv6StatelessAddress2, and IPv6StatelessAddress3 are displayed when the address is set. "Unavailable" is displayed when the Local Address and IP Address for the printer are incorrect. "Unavailable" is not set. If the method for IP Address is auto, you can select "Use automatically acquired IPv4 address (xxx.xxx.xxx.xxx)".	- If "Enable this Group Policy" is enable, it is possible to set this item.

“Remote Address(Host)”	-Enter up to 43 characters. You can enter in the IPv4 and IPv6 formats You can enter the empty. It is possible to use the prefix. You can not enter 255.255.255.255 and 0.0.0.0.	- If “Enable this Group Policy” is enabled, this item can be configured.
“Method of Choosing Port”	-Use the drop-down list to make a choice. “Service Name” / “Port Number”	- If “Enable this Group Policy” is enable, it is possible to set this item.
“Service Name”	From 1 to 10 of the following can be selected for “Service Name”. However, if “Any” is selected, no other item can be selected. “Any “/ “ENPC” / “SNMP”/ “LPR”/ “RAW (Port9100)” / “IPP/IPPS”/ “WSD”/ “WS-Discovery”/ “Network Scan”/ “Network Push Scan”/ “Network Push Scan Discovery”/ “FTP Data (Local)”/ “FTP Control (Local)”/ “FTP Data (Remote)”/ “FTP Control (Remote)”/ “CIFS (Local)”/ “CIFS (Remote)”/ “NetBIOS Name Service (Local)”/ “NetBIOS Datagram Service (Local)”/ “NetBIOS Session Service (Local)”/ “NetBIOS Name Service (Remote)”/ “NetBIOS Datagram Service (Remote)”/ “NetBIOS Session Service (Remote)”/ “HTTP (Local)”/ “HTTPS (Local)”/ “HTTP (Remote)”/ “HTTPS (Remote)”	- If “Enable this Group Policy” is enabled and “Method of Choosing PORT” is “Service Name”, it is possible to configure this item. If the printer has these features, they can be selected. -LPR function “LPR” - RAW (Port9100)function “RAW (Port9100)” - IPP function “IPP/IPPS” WSD Scan “WSD”/ “WS-Discovery” -Scan function “Network Scan” - Push Scan Function”Network Push Scan”/ “Network Push Scan Discovery” -FTP Print “FTP Data (Local)”/ “FTP Control (Local)”/ -ScanToFolder “FTP Data (Remote)”/ “FTP Control (Remote)”/ “CIFS (Remote)”/ “NetBIOS Name Service (Remote)”/ “NetBIOS Datagram Service (Remote)”/ “NetBIOS Session Service (Remote)”/ -File Sharing “CIFS (Local)”/ “NetBIOS Name Service (Local)”/ “NetBIOS Datagram Service (Local)”/ “NetBIOS Session Service (Local)”/
“Transport Protocol”	-Use the drop-down list to make a choice. ““Any Protocol” / “TCP” / “UDP”/ “ICMPv4”	- If “Enable this Group Policy” is enable and “Method of Choosing Port” is “Port Number”, it is possible to set this item.

“Local Port”	Enter up to 60 characters. Numbers, commas, spaces, and empty strings can be input. Enter up to 10 numbers, separated by commas. The range is 1-65535.	- If “Enable this Group Policy” is enabled, “Method of Choosing Port” is “Port Number”, and “Transport Protocol” is “TCP” or “UDP”, it is possible to configure this item.
“Remote Port”	Enter up to 60 characters. Numbers, commas, spaces, and empty strings can be input. Enter up to 10 numbers, separated by commas. The range is 1-65535.	- If “Enable this Group Policy” is enable , “Method of Choosing Port” is “Port Number” and “Transport Protocol” is “TCP” or “UDP”, it is possible to set this item.
“IKE Version”	Use the radio buttons to choose “IKEv1”/”IKEv2”..	- If “Enable this Group Policy” is enabled and “Access Control” is “IPsec”, it is possible to configure this item.
“Authentication Method”	-Use the drop-down list to make a choice. “Pre-Shared Key” / “Certificate”	This item is displayed when “IKE Version” is “IKEv1”. This item is enabled when “Enable this Group Policy” is enable and “Access Control” is “IPsec”.
“Pre-Shared Key”	- Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Authentication Method” of “Local” is “Pre-Shared Key”.
“Confirm Pre-Shared Key”	- Same as “Pre-Shared Key”.	- Same as “Pre-Shared Key”.
“Local”	Title	This item is displayed when “IKE Version” is “IKEv2”.
“Authentication Method”	-Use the drop-down list to make a choice. “Pre-Shared Key” / “Certificate”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable and “Access Control” is “ IPsec”.
“ID Type”	Use the drop-down list to make a choice. “Distinguished Name” / “IP Address” / “FQDN” / “Email Address” / “Key ID”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Authentication Method” of “Local” is “Pre-Shared Key”.
“ID”	The values that can be entered depends on the selection for “ID Type”. [@][#][=] cannot be used as the first character, regardless of the type selected. “Distinguished Name”:ASCII, 1-255 characters. Must use [=]. “IP Address”:IPv4, IPv6 “FQDN”: ASCII(alphanumeric, dot, hyphen), 1-255 characters “Email Address”: ASCII, 1-255 characters. Must use [@]. [=] cannot be used. “Key ID”: ASCII, 1-255 characters	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Authentication Method” of “Remote” is “Pre-Shared Key”.
“Pre-Shared Key”	-Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Authentication Method” of “Remote” is “Pre-Shared Key”.
“Confirm Pre-Shared Key	- Same as “Pre-Shared Key”.	- Same as “Pre-Shared Key”.
“Remote”	Title	This item is displayed when “IKE Version” is “IKEv2”.

“Authentication Method”	-Use the drop-down list to make a choice. “Pre-Shared Key” / “Certificate”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable and “Access Control” is “ IPsec”.
“ID Type”	Use the drop-down list to make a choice. “Distinguished Name” / “IP Address” / “FQDN” / “Email Address” / “Key ID”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enabled, “Access Control” is “IPsec”, and “Authentication Method” for “Remote” is “Pre-Shared Key”.
“ID”	The values that can be entered depends on the selection for “ID Type”. [@][#][=] cannot be used as the first character, regardless of the type selected. “Distinguished Name”:ASCII, 1-255 characters. Must use [=]. “IP Address”:IPv4, IPv6 “FQDN”: ASCII(alphanumeric, dot, hyphen), 1-255 characters “Email Address”: ASCII, 1-255 characters. Must use [@]. [=] cannot be used. “Key ID”: ASCII, 1-255 characters	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Authentication Method” of “Remote” is “Pre-Shared Key”.
“Pre-Shared Key”	-Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Authentication Method” of “Remote” is “Pre-Shared Key”.
“Confirm Pre-Shared Key	- Same as “Pre-Shared Key”.	- Same as “Pre-Shared Key”.
“Encapsulation”	-Use the drop-down list to make a choice. “Transport Mode” / “Tunnel Mode”	- If “Enable this Group Policy” is enabled and “Access Control” is “IPsec”, it is possible to configure this item.
“Remote Gateway(Tunnel Mode)”	-It is possible to enter up to 39 characters. You can enter in the IPv4 and IPv6 formats You can enter the empty. You can not enter 255.255.255.255 and 0.0.0.0.	- If “Enable this Group Policy” is enable, “Access Control” is “ IPsec” and “Encapsulation” is “Tunnel Mode” ,it is possible to set this item.
“Security Protocol”	-Use the drop-down list to make a choice. “ESP” / “AH”	- If “Enable this Group Policy” is enabled and “Access Control” is “IPsec”, it is possible to configure this item.
“Algorithm Settings”	Title strings. “IKE”, “ESP” and “AH” are containted.	-
“IKE”	Title strings. “Encryption”, “Authentication” and “Key Exchange” are contained.	-
“Encryption”	Use the drop-down list to choose from the following. “AES-CBC-128” / “AES-CBC-192” / “AES-CBC-256” / “3DES” / “Any”	This item is displayed when “IKE Version” is “IKEv1”. This item is enabled when “Enable this Group Policy” is enabled and “Access Control” is “IPsec”..
“Encryption”	Use the drop-down list to choose from the following. “AES-CBC-128” / “AES-CBC-192” / “AES-CBC-256” / “AES-GCM-128” / “AES-GCM-192” / “AES-GCM-256” / “3DES” / “Any”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec”.

“Authentication”	Use the drop-down list to choose from the following. “SHA-1” / “SHA-256” / “SHA-384” / “SHA-512” / “MD5” / “Any”	This item is enabled when “Enable this Group Policy” is enabled and “Access Control” is “IPsec”.
“Key Exchange”	Use the drop-down list to choose from the following. “DH Group 1” / “DH Group 2” / “DH Group5” / “DH Group14” / “DH Group15” / “DH Group16” / “DH Group17” / “DH Group18” / “DH Group19” / “DH Group20” / “DH Group21” / “DH Group22” / “DH Group23” / “DH Group24” / “DH Group25” / “DH Group26” / “Any”	This item is displayed when “IKE Version” is “IKEv1”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec”.
“Key Exchange”	Use the drop-down list to choose from the following. “DH Group 1” / “DH Group 2” / “DH Group5” / “DH Group14” / “DH Group15” / “DH Group16” / “DH Group17” / “DH Group18” / “DH Group19” / “DH Group20” / “DH Group21” / “DH Group22” / “DH Group23” / “DH Group24” / “DH Group25” / “DH Group26” / “DH Group27” / “DH Group28” / “DH Group29” / “DH Group30” / “Any”	This item is displayed when “IKE Version” is “IKEv2”. This item is enabled when “Enable this Group Policy” is enable, “Access Control” is “ IPsec”.
“ESP”	Title strings. “Encryption” and “Authentication” are contained.	-
“Encryption”	Use the drop-down list to choose from the following. “AES-CBC-128” / “AES-CBC-192” / “AES-CBC-256” / “AES-GCM-128” / “AES-GCM-192” / “AES-GCM-256” / “3DES” / “Any”	This item is enabled when “Enable this Group Policy” is enabled, “Access Control” is “IPsec”, and “Security Protocol” is “ESP”.
“Authentication”	Use the drop-down list to choose from the following. “SHA-1” / “SHA-256” / “SHA-384” / “SHA-512” / “MD5” / “Any”	This item is enabled when “Enable this Group Policy” is enabled, “Access Control” is “IPsec”, and “Security Protocol” is “ESP”. This item is disabled when “Encryption” for “ESP” is “AES-GCM-128”, “AES-GCM-192”, or “AES-GCM-256”.
“AH”	Title strings. “Authentication” is contained.	-
“Authentication”	Use the drop-down list to choose from the following.. Support algorithms refer to the Network Functional Specifications. “SHA-1” / “SHA-256” / “SHA-384” / “SHA-512” / “MD5” / “Any”	This item is enabled when “Enable this Group Policy” is enabled, “Access Control” is “IPsec”, and “Security Protocol” is “ESP”.

10.3.5.1.1.2.3 Button

Table 10-111 Button

Items	Description
"Next"	If pressed, Web Config goes to the Confirm IPsec Settings page.

If Web Config recognizes an error in the entered value after the Next button is pressed, the following error pop-up is shown.

Table 10-112 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
<The case of products with printing function > "The combination of Local Address (Printer) and Remote Address (Host) is incorrect." <The case of sccaner> "The combination of Local Address (Scanner) and Remote Address (Host) is incorrect."	- This message is displayed if the combination of the Local Address (Printer/Scanner) and Remote Address (Host) is incorrect. See the following table.
"Select 1 to 10 service names."	- Displayed if there are 0 or 11 or more checks for "Service Name".
"Pre-shared keys you entered do not match."	- Displayed if the values you entered for the Pre-shared keys do not match

-Permit Access or Refuse Access

Permit Access or Refuse Access		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Adress)IPv4	✓	-	-	✓
	(Specify IP Adress) fe80::~	-	✓	-	-
	(Specify IP Adress)fe80::~	-	-	✓	✓
	(Specify IP Adress Range) IPv4	✓	-	-	✓
	(Specify IP Adress Range) fe80::~	-	✓	-	-
	(Specify IP Adress Range) Except fe80::~	-	-	✓	✓
	(Blank) Any	✓	-	✓	✓

IPsec

IPsec		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Adress)IPv4	✓	-	-	✓
	(Specify IP Adress) fe80::~	-	-	-	-
	(Specify IP Adress)fe80::~	-	-	✓	✓
	(Specify IP Adress Range) IPv4	-	-	-	-
	(Specify IP Adress Range) fe80::~	-	-	-	-
	(Specify IP Adress Range) Except fe80::~	-	-	-	-
	(Blank) Any	✓	-	✓	✓

✓: This setting can be configured.

-: Cannot be configured. The message "The combination of Local Address (Printer/Scanner) and Remote Address (Host) is incorrect." is displayed.

*: Does not include IPv6 link-local address

10.3.5.1.2 Confirm IPsec Settings Page

If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.

10.3.5.1.2.1 Image

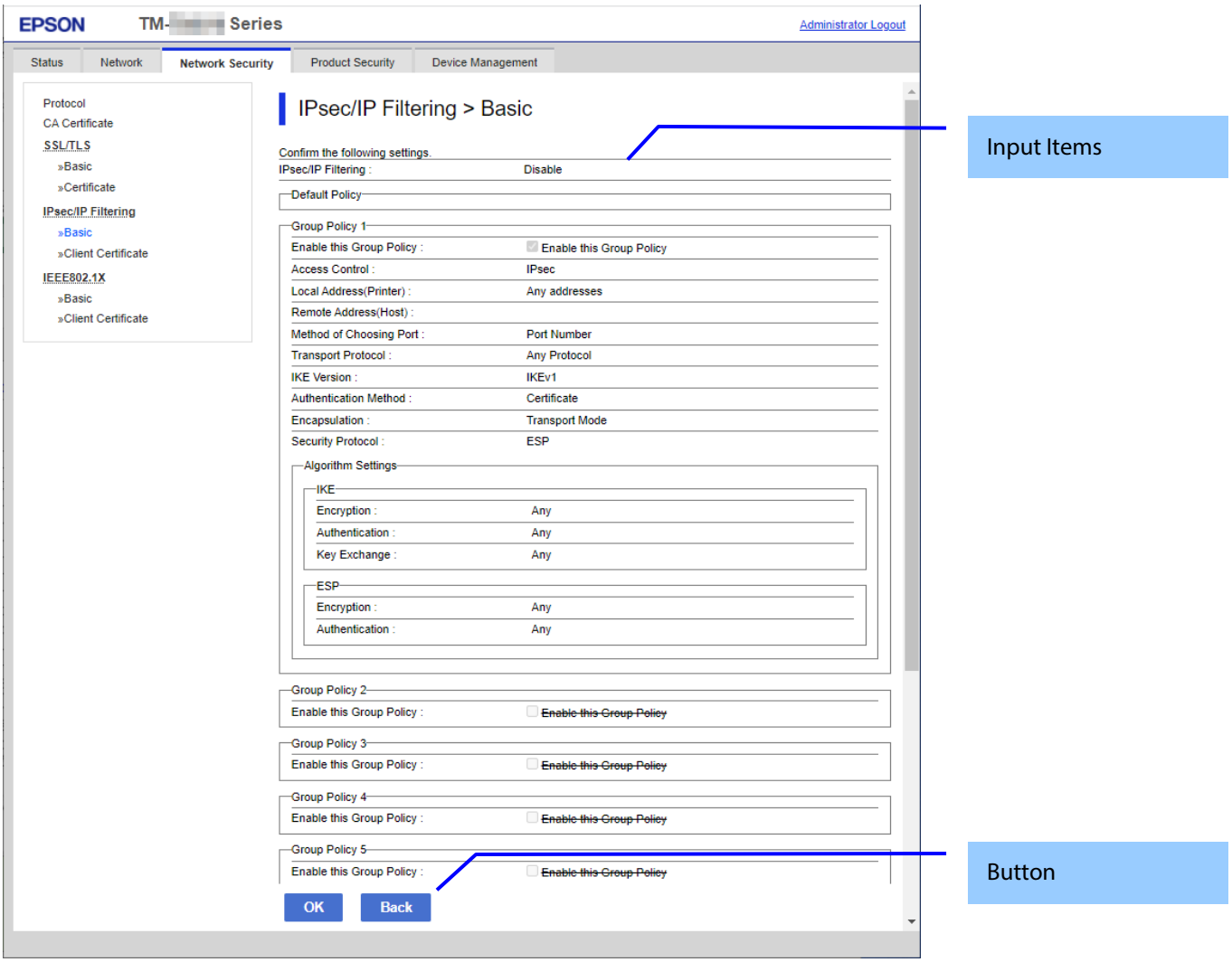


Figure 10-39 Confirm IPsecDefault Policy Settings Page

10.3.5.1.2.2 Input Information

Table 10-113 Input Information

Items	Description
“Confirm the following settings.”	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.
“Default Policy”	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.
“Group Policy 1”/ “Group Policy 2”/ “Group Policy 3”/ “Group Policy 4”/ “Group Policy 5”/ “Group Policy 6”/ “Group Policy 7”/ “Group Policy 8”/ “Group Policy 9”/ “Group Policy 10”	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.

“Communication will be shut down temporarily to enable the new settings.” “You cannot access the network immediately after the settings are changed.” “Depending on the changes, you may not be able to connect to Web Config.”	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.
<The case of product without LCD panel> “If connection is lost unintentionally, initialize the network settings on the product's control panel. And then configure it again.” < The case of scanner with LCD panel > “If connection is lost unintentionally, disable IPsec/IP Filtering on the product's control panel. And then configure it again.”	This message is shown on the bottom of the page.

10.3.5.1.2.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 10-114 Button

Items	Description
“OK”	This button is used to apply the entered values to the system shown on the Confirm IEEE802.1X Settings page. If pressed, Web Config goes to the Result page.
“Back”	This button is used to go back to the IPsec Default Policy Settings page.

10.3.5.1.2.4 Result page

The following figure shows the page that is displayed after the network settings are processed. The content of the Result page will vary based on the result (success or failure).

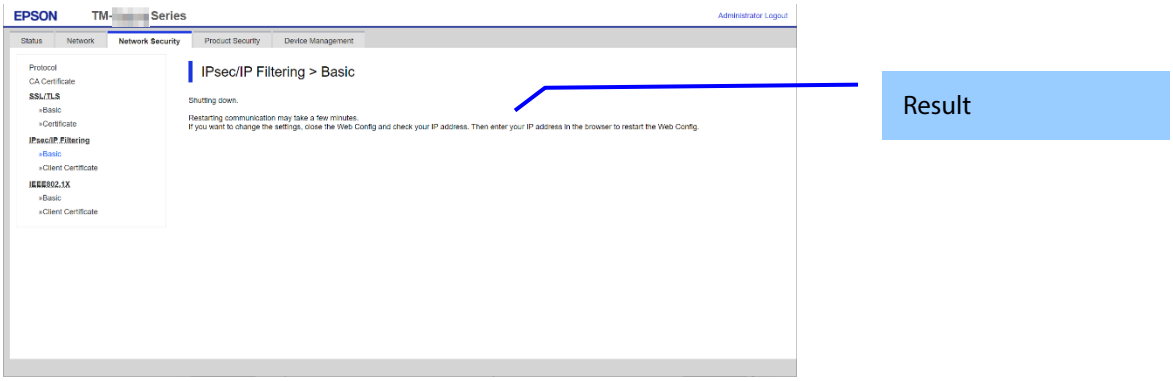


Figure 10-40 Success Page

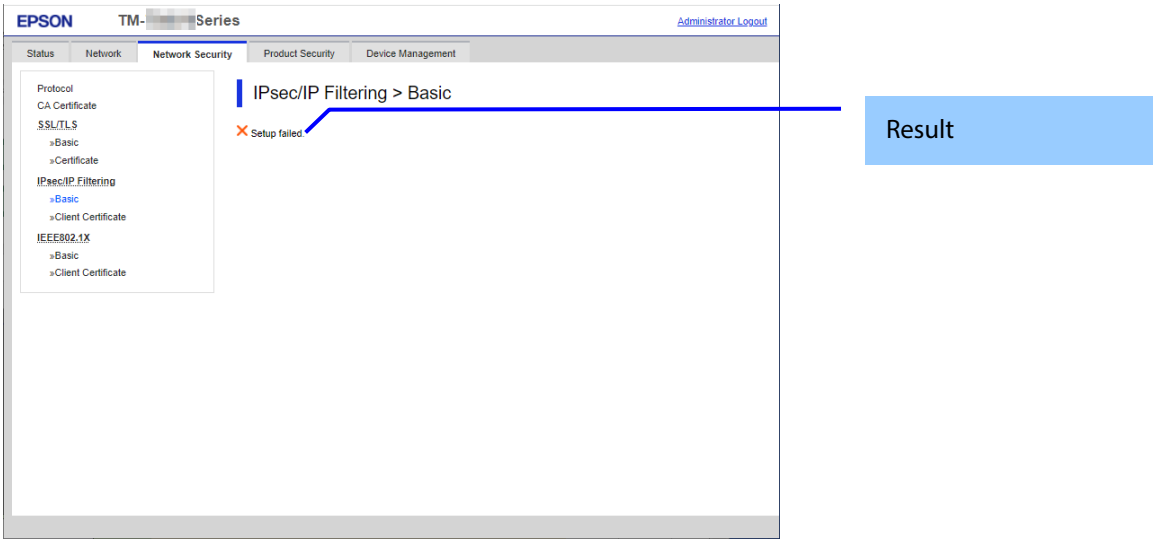


Figure 10-41 Failed Page

10.3.5.1.2.5 Setting Result

Table 10-115 Setting Result

Items	Description
“Shutting down.” “Restarting communication may take a few minutes.” “If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config.”	-This message is shown when the settings are completed. The network shuts down in order to update.
“Setup failed.”	- This message is shown if the settings fail..

10.3.5.2 Client Certificate

10.3.5.2.1 Top page

10.3.5.2.1.1 Image

The following figure shows the layout of the top page.

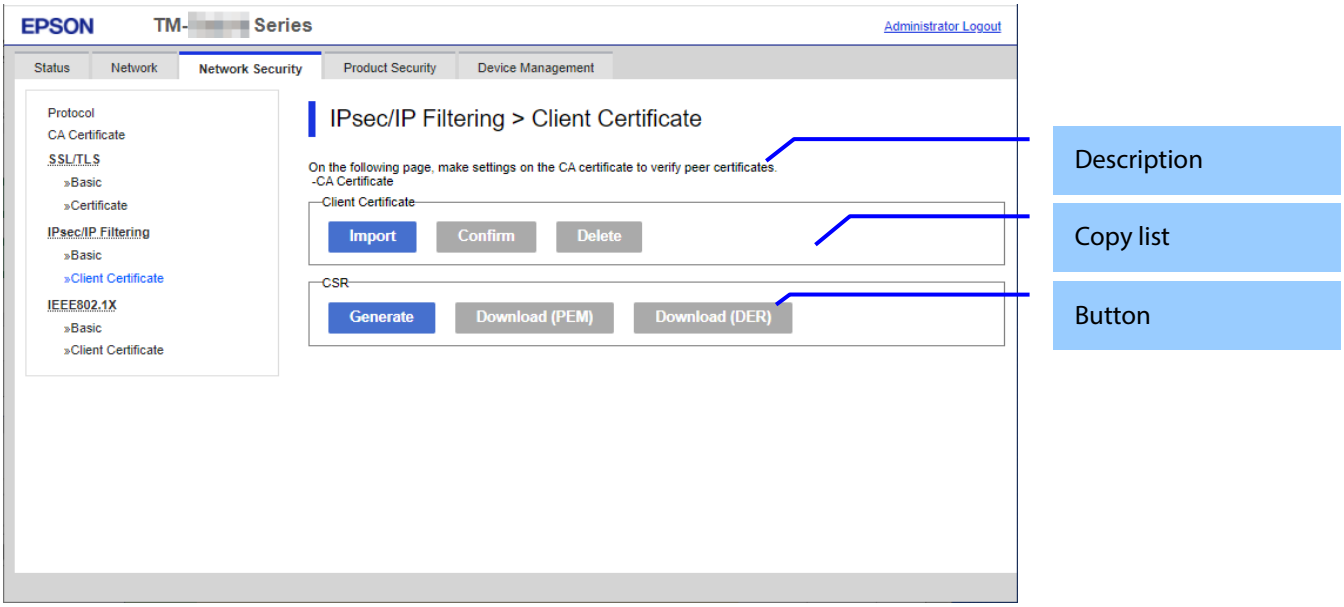


Figure 10-42 Top page

10.3.5.2.1.2 Description

Table 10-116 Description

Items	Description
"On the following page, configure the settings on the CA certificate to verify peer certificates." "-CA Certificate"	Fixed Strings

10.3.5.2.1.3 Copy list

You can choose other functions to copy the certificate to this function.

Table 10-117 Copy list

Items	Description	Condition
"Copy From"	Use the drop-down list to make a choice. "Certificate for SSL/TLS"/"Certificate for IEEE802.1X" "Certificate for SSL/TLS" is displayed when the Client Certificate is imported on the SSL/TLS page. "Certificate for IEEE802.1X" is displayed when the Client Certificate is imported on the IEEE802.1X page. "Certificate for S/MIME" is displayed when the Client Certificate is imported on the S/MIME page. "Certificate for S/MIME" is displayed when the Client Certificate is imported on the S/MIME page.	"Copy From" is displayed when the Client Certificate is imported on the following page: • SSL/TLS page • IEEE802.1X page • S/MIME page

10.3.5.2.1.4 Button

The following table shows the buttons on the page.

Table 10-118 Button

Items (Group Name)	Items (Button Name)	Description	Condition
"Client Certificate"	"Import"	- Button for importing Client certificate	-
	"Confirm"	- Button for confirming the imported Client certificate	-Client certificate imported
	"Delete"	- Button for deleting the imported Client certificate	-Client certificate imported
	"Copy"	- Button for copying client certificates from other functions Web Config displays a pop-up window if a Client Certificate was already imported in this function. Web Config displays a result page if a Client Certificate was NOT imported in this function.	The "Copy" button is displayed when the Client Certificate is imported on the following page: ・ SSL/TLS page ・ IEEE802.1X page
"CSR"	"Generate"	- Button for moving to the settings page to generate CSR	-
	"Download (PEM)"	- Button for downloading the CSR date in PEM format	-CSR created.
	"Download (DER)"	- Button for downloading the CSR date in PEM format	-CSR created.

10.3.5.2.2 Result page

10.3.5.2.2.1 Image

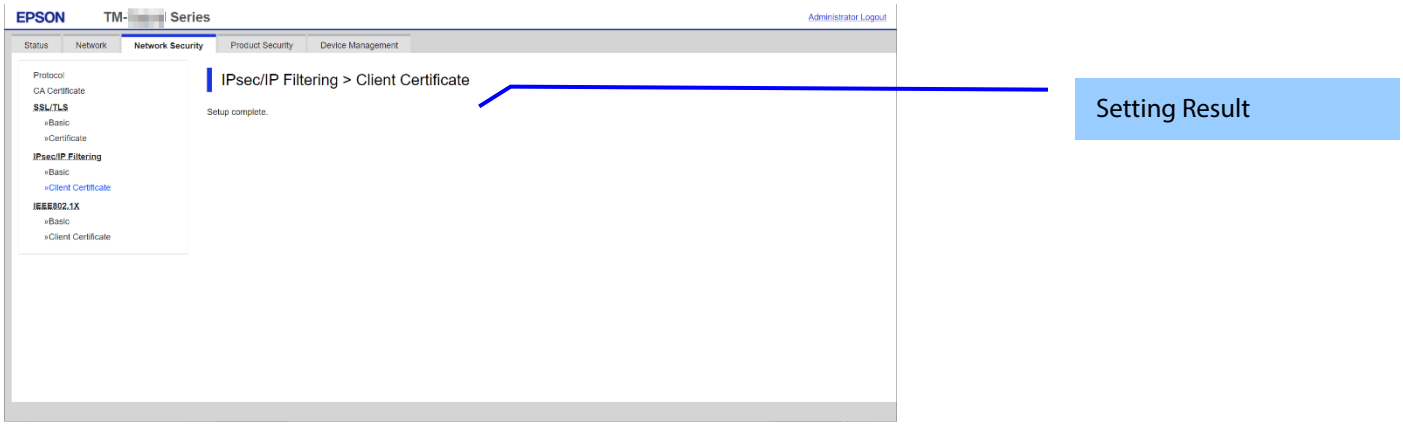


Figure 10-43Result page

10.3.5.2.2.2 Setting Results

The following result is shown in the main frame after the "Copy" button is pressed.

Table 10-119 Result page

Items	Description
"Setup complete."	- This message is shown when importing without overwriting is completed.
"Setup failed."	- This message is shown if the settings fail.

10.3.5.2.3 Importing for Client certificate

10.3.5.2.3.1 Import Top Page

This page is shown after the 'Import' button in the Client certificate settings is pressed.
The following figure shows the layout of the page for importing the Client certificate into the printer.

10.3.5.2.3.1.1 Image

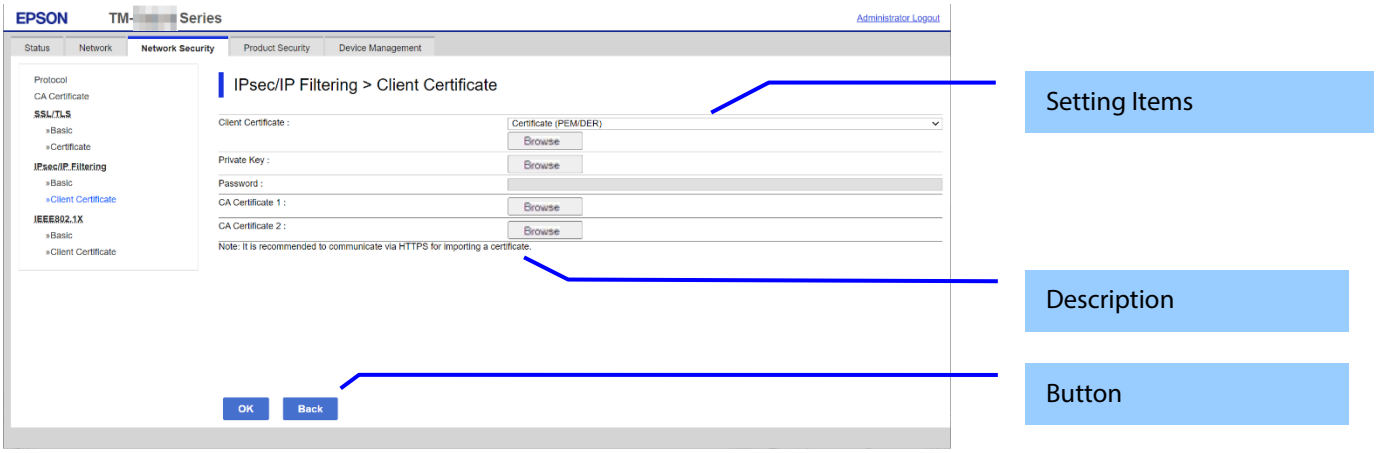


Figure 10-44 Import Top Page

10.3.5.2.3.1.2 Setting Items

On the Import Top Page, the following items can be controlled by the administrator.

Table 10-120 Setting Items

Items	Description	Condition
"Client Certificate"	Enter the file of the Client certificate to import it into the printer. You can also use the file button to select the file.	-
File Format	Choose the file format of the server certificate to import it into the printer. "Certificate (PEM/DER)"/ "Certificate with Private Key (PKCS#12)"	-
"Private Key"	Enter the private key file of the server certificate to import it into the printer. You can also use the file button to select the file.	Only when certificate (PEM/DER) is selected
"Password"	Enter the passphrase for encryption to create a private key. Usable string: ASCII code (0x20-0x7E) Max of 48 characters.	In certificate with private key (PKCS#12) selected only.
"CA Certificate 1"	Enter the file of the certificate signed by CA issuing the server certificate to import it into the printer. You can also use the file button to select the file. Max of 255 characters.	In certificate (PEM/DER) selected only.
"CA Certificate 2"	Enter the file of the certificate signed by CA issuing the first CA certificate to import it into the printer. It also is able to select the file using file button.	In certificate (PEM/DER) selected only.

10.3.5.2.3.1.3 Description

Table 10-121 Description

Items	Description
"Note: It is recommended to communicate via HTTPS when importing a certificate."	Fixed Strings

10.3.5.2.3.1.4 Button

The following table shows the buttons on the page.

Table 10-122 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "OK" button is pressed, Web Config performs the following operations depending on conditions. - If the entered value is invalid, Web Config displays a pop-up window with an error message. - If the entered value is NOT invalid and a Client Certificate was imported already, Web Config displays a pop-up window with a warning message. - If the entered value is NOT invalid and a Client Certificate was NOT imported already, Web Config displays a Result page.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.5.2.3.2 Result page

The following result is shown in the main frame after the "OK" button is pressed.

10.3.5.2.3.2.1 Image

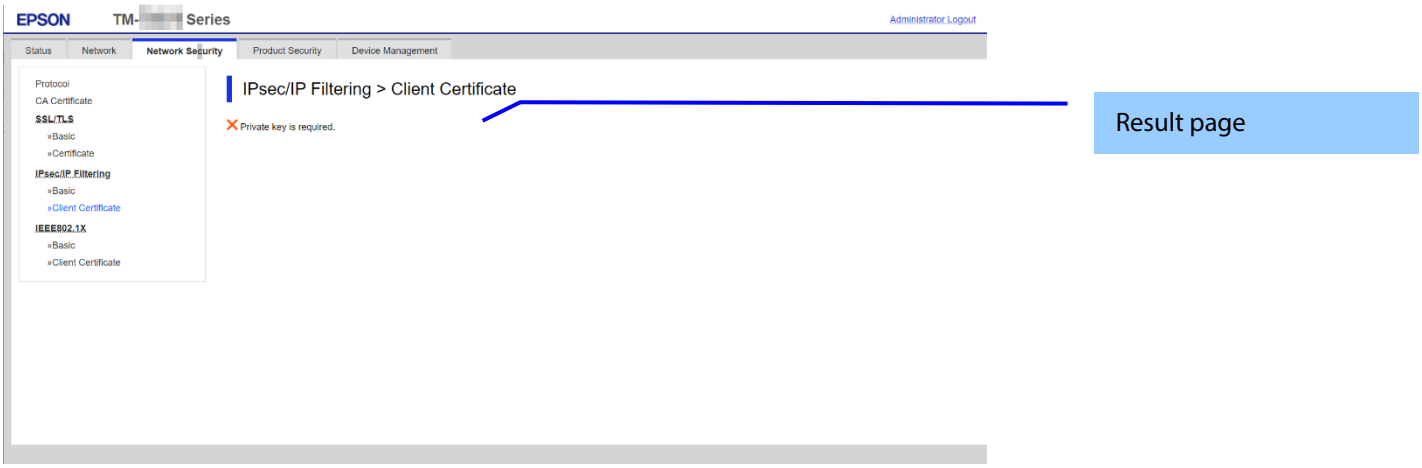


Figure 10-45 Result page

10.3.5.2.3.2.2 Result

Table 10-123 Result

Items	Description	Redirect from Import Top Page	Redirect from Warning pop-up	Redirect after pressing Reboot Network button
"Setup complete."	This message is shown when importing is completed.	Yes	No	No
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when importing and overwriting are completed. The network shuts down in order to update.	No	Yes	Yes
"Invalid password."	This message is shown when the entered password is invalid.	Yes	Yes	No

“Invalid file.”	This message is shown in the following cases. - The file uses an incorrect format or wrong interrelation. - The file size is greater than the stipulated range of 5k to 24k. (See the note.) - The private key and certificate do not match. - Incorrect chain.	Yes	Yes	No
“Invalid date and time.”	This message is shown when an expired certificate is imported, and the date and time are not set.	Yes	Yes	No
“The certificate has expired. Check if the certificate is valid, or check the date and time on the product.”	This message is shown when an expired certificate is imported, and the date and time are already set.	Yes	Yes	No
“Cannot use the Client Certificates that include more than three CA certificates.”	- This message is shown when a server certificate that includes more than 3 CA-signed certs is imported in PSCS#12.	Yes	Yes	No
“Private key is required.”	This message is shown when a private key is required.	Yes	Yes	No
“Setup failed.”	This message is shown when importing fails.	Yes	Yes	No
“Setup failed.” “Click [Reboot Network] to apply the settings.” “Communication will be shut down temporarily.” “The setting may be applied to the communication after other settings are changed or the device is restarted.”	This message is shown when a network reboot fails.	No	Yes	Yes

Note: If the size of a certificate to be imported is larger than 24KBytes, the device is unable to read it and a Web browser error is shown.

10.3.5.2.3.2.3 Button

Table 10-124 Button

Items	Description	Condition
“Reboot Network”	Reboots the network If the network reboot is successful, Web Config displays the successful result page. If the network reboot fails, Web Config displays the same page.	If the network reboot fails

10.3.5.2.4 Confirm for Client certificate

10.3.5.2.4.1 Top page

This page is shown after 'Confirm' for the import is pressed in the Client certificate settings.
The format of the indicated page is the same as "Confirm for CA-signed certificate".

10.3.5.2.4.1.1 Display Items

Table 10-125 Display Items

Items	Description
"Client Certificate"	Shows the content of the server certificate imported into the printer
"CA Certificate 1"	Shows the content of the first CA-signed certificate imported into the printer
"CA Certificate 2"	Shows the content of the second CA-signed certificate imported into the printer

10.3.5.2.4.1.2 Button

Table 10-126 Button

Items	Description
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.5.2.5 Generate CSR(Certificate Signing Request)

10.3.5.2.5.1 Generate Top Page

This page is shown after 'Generate' for importing in the CSR settings is pressed.
The format of the indicated page is the same as "SSL/TLS > Certificate> Generate CSR".

10.3.5.2.5.1.1 Image

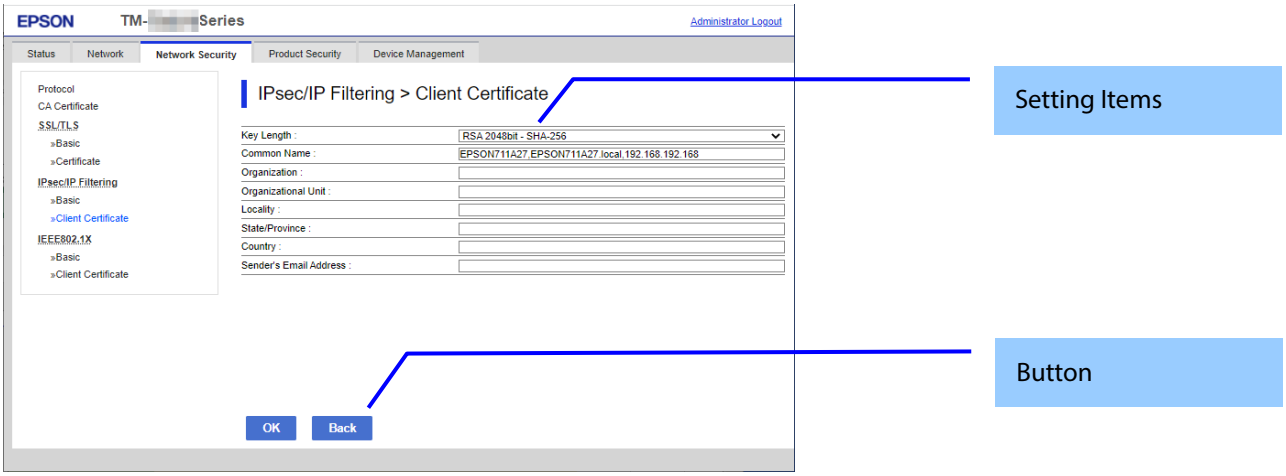


Figure 10-46 Generate CSR(Certificate Signing Request)

10.3.5.2.5.1.2 Setting Items

The user must enter the following information to generate CSR.
The following table shows the items on the page.

Table 10-127 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for generating CSR. "RSA 1024bit- SHA-1" / "RSA 2048bit- SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit- SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit- SHA-512"
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",")(0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	Use the text box to input the organization for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Organizational Unit"	Use the text box to input the organization unit for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Locality"	Use the text box to input a locality for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"State/Province"	Use the text box to input a state or province for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Country"	Use the text box to input the country for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 2 characters If there is no string, the value is treated as a white space.

NOTE: You can enter multiple names for these items.

10.3.5.2.5.1.3 Button

When the “Generate” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-128 Button

Items	Description
“OK”	Button for generating CSR at the bottom of the main frame.
“Back”	Button at the bottom of the main frame for going back to the top page of the certificate settings.

Table 10-129 Error pop-up

Items	Description
“ Invalid value below. ¥n -%s¥n -%s¥n…”	Shows a warning when a value is entered incorrectly.

10.3.5.2.5.2 Result page

After the Generate CSR button is pressed, Web Config goes to the Result page.

10.3.5.2.5.2.1 Image

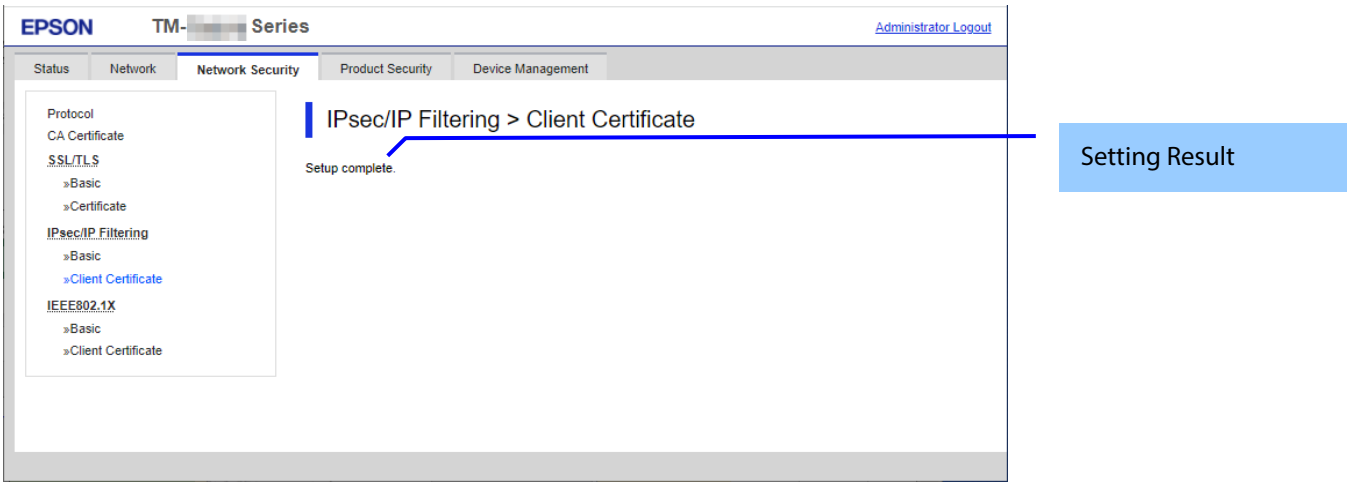


Figure 10-47 Result page

10.3.5.2.5.2.2 Setting Result

Table 10-130 Setting Result

Items	Description
“Setup complete.”	This message is shown when the settings are completed.
“Setup failed.”	This message is shown if the settings fail.

10.3.5.2.6 Download CSR(Certificate Signing Request)

This page is shown after ‘Download’ for importing in the CSR settings is pressed.
The default name of the downloaded file is in the form of “EXPORT_CSR_<*Serial Number*>_<*Date and Time*>“.
<*Serial Number*> is the Product’s Serial Number.
<*Date and Time*> is the Date and Time set for the product.

The method of downloading the CSR varies by Web browser.

10.3.6 IEEE802.1X

In the IEEE802.1X settings area, you can configure the settings related to the HTTP server the printer supports.

Table 10-131 Sub menu

Sub menu
“Basic”
“Client Certificate”

10.3.6.1 Basic

10.3.6.1.1 Top page in Basic Settings

10.3.6.1.1.1 Image

The following figure shows the layout of the settings for IEEE802.1X basic.

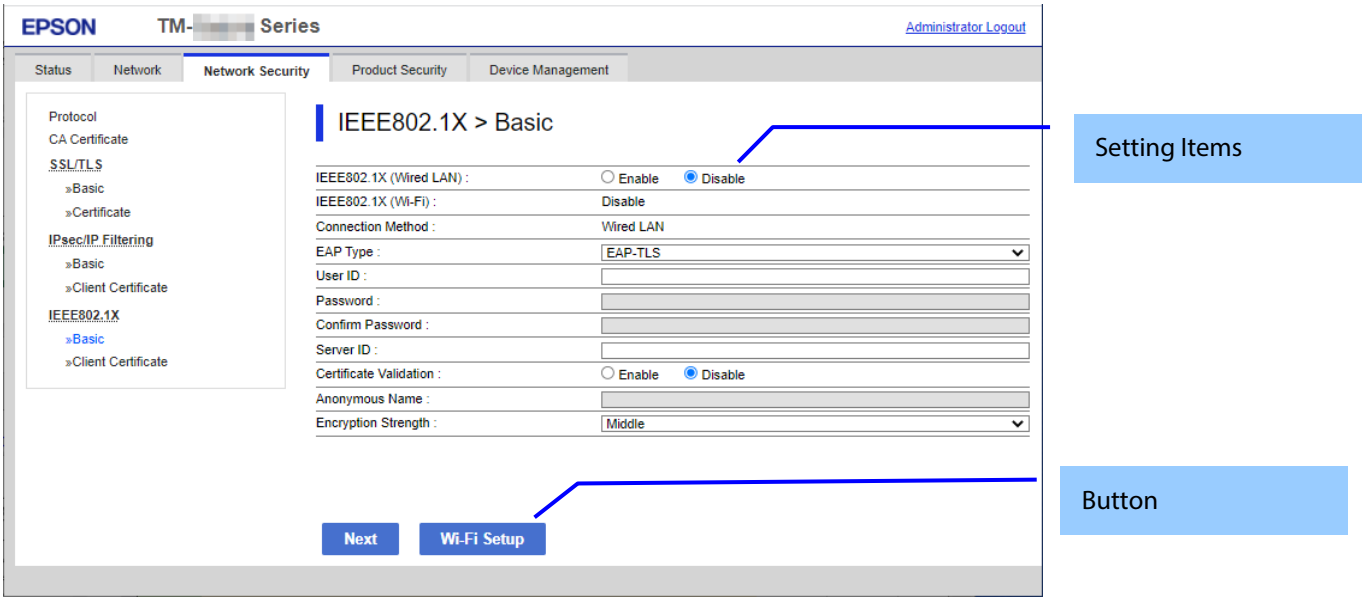


Figure 10-48 IEEE802.1X Top page in Basic Settings

10.3.6.1.1.2 Setting Items

The following figure shows the layout of this settings area.

Table 10-132 Setting Items

Items	Description	Condition
“IEEE802.1X (Wired LAN)”	Use the radio buttons to select “Enabled” or “Disabled”.	Only products that support Wired LAN
“IEEE802.1X (Wi-Fi)”	Display “Enable” or “Disable”	Read Only - Only printers that support WPA2/WPA3-Enterprise
“Connection Method”	Display “Wired LAN” / “Wi-Fi” / “Disable”.	Read Only - Only WPA2/WPA3-Enterprise support printers.
“EAP Type”	- If it is not equipped with Wi-Fi chip. Select “EAP-TLS” / “PEAP-TLS” / “PEAP/MSCHAPv2” by drop-down list. - If it is equipped with Wi-Fi chip. Select “EAP-TLS” / “EAP-TTLS” / “PEAP-TLS” / “PEAP/MSCHAPv2” by drop-down list.	-
“User ID”	A text box is provided. The string must be from 0 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E)	-

“Password”	A text box is provided. The string must be from 1 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E) If “EAP Type” is “PEAP/MSCHAPv2” or “EAP-TTLS”, character must be entered.	- Not equipped with Wi-Fi chip Can be entered by the user when “EAP Type” is “PEAP/MSCHAPv2” - Equipped with Wi-Fi chip Can be entered by the user when “EAP Type” is “PEAP/MSCHAPv2” or “EAP-TTLS”
“Confirm Password”	Same as Password.	Same as Password
“Server ID”	A text box is provided. The string must be from 0 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E)	-
“Certificate Validation”	Two radio buttons are provided to choose one of the following: “Enable” / “Disable”	-
“Anonymous Name”	A text box is provided. The string must be from 0 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E)	- When “EAP Type” is “PEAP-TLS” , “PEAP/MSCHAPv2” or “EAP-TTLS”, user can enter.
“Encryption Strength”	Select “Middle” / “High” by drop-down list.	-

10.3.6.1.1.3 Button

Table 10-133 Button

Items	Description	Condition
“Next”	If pressed, Web Config goes to the Confirm IEEE802.1X Settings page.	Only Wired LAN support products.
“Wi-Fi Setup”	If pressed, Web Config goes to the SSID Search page.	Only products that support WPA2/WPA3-Enterprise

If Web Config recognizes an error in the entered value after the button is pressed, the following error pop-up is shown.

Table 10-134 Error Pop-up

Items	Description
“Invalid value below.”	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
“Passwords you entered do not match.”	When the password and the confirmation password do not match, this message is shown.

10.3.6.1.2 SSID Search Page

When the “Wi-Fi Setup” button is pressed, WebConfig goes to the SSID Search page as shown below. If Web Config confirms periodically that an SSID search has been triggered by access to this page or by pressing the Refresh button, it goes to the Wi-Fi Settings page. If the SSID search has not been completed, Web Config remains on this page. If an SSID search is not possible, Web Config shows the failure result page.

10.3.6.1.2.1 Image

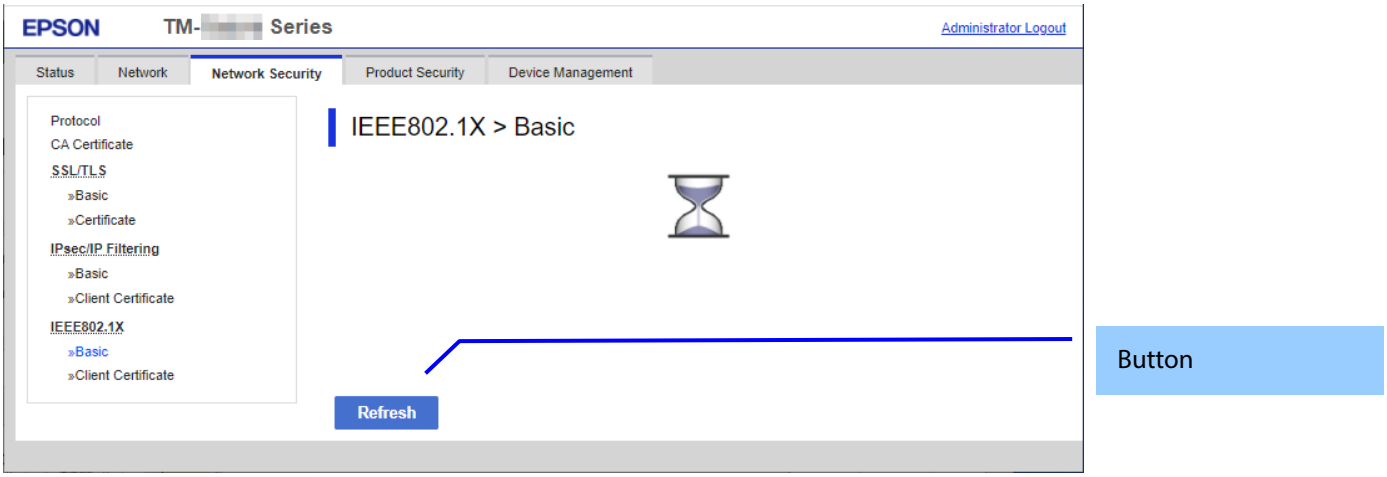


Figure 10-49 SSID Search Page

10.3.6.1.2.2 Button

Table 10-135 Button

Items	Description
“Refresh”	After the Refresh button is pressed, Web Config goes to the Wi-Fi Settings page if an SSID search has been completed. If an SSID search has not been completed, Web Config remains on the SSID Search page.

10.3.6.1.3 Wi-Fi Settings Page

If the Web Config confirms periodically that an SSID search has been done triggered by transition to this page or pressing the Refresh button, it goes to the Wi-Fi Settings page as below. You can choose a SSID on the searched SSID list by choosing a radio button or choose a radio button to specify any SSID manually.

10.3.6.1.3.1 Image

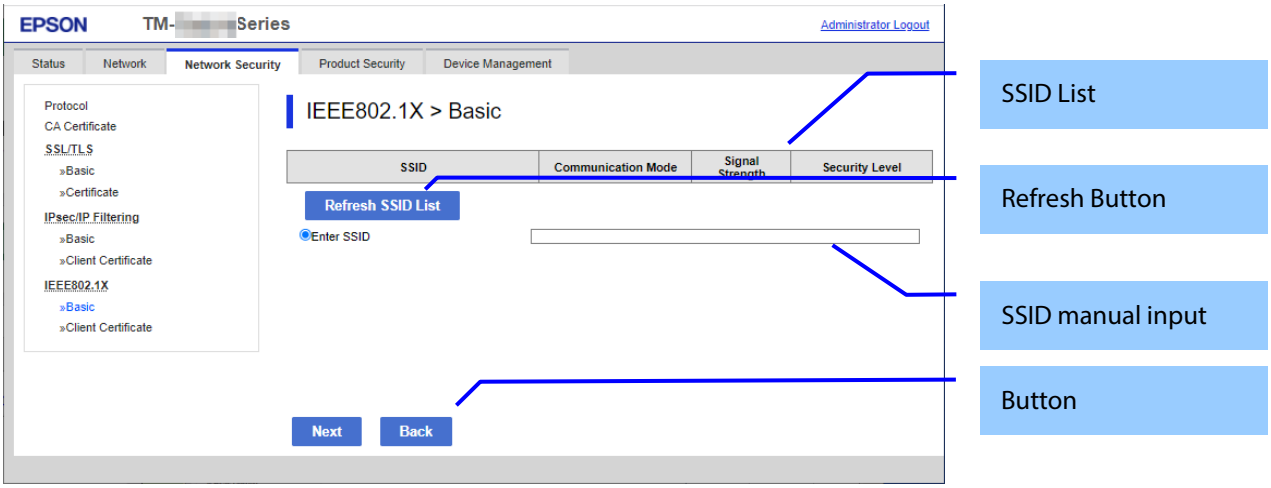


Figure 10-50 Wi-Fi Settings Page

10.3.6.1.3.2 SSID List

Choose an SSID from the list of searched SSIDs as shown below. A list of up to 10 searched SSIDs (only WPA2/WPA3-Enterprise SSIDs) is sorted by signal strength level (strong -> weak).

Table 10-136 SSID List

Items	Description	Condition
"SSID"	Shows the name of each SSID.	-
"Communication Mode"	Shows either of the following communication modes:"Infrastructure"	-
"Signal Strength"	Shows one of the following signal strengths: "Excellent" / "Good" / "Fair" / "No Good" / "Unknown"	This item is displayed for models that use the Wi-Fi chip.
"Security Level"	Shows one of the following security levels: "WPA2/WPA3-Enterprise"	-

10.3.6.1.3.3 SSID manual input

You can specify any SSID manually.

Table 10-137 SSID manual input

Items	Description
"Enter SSID"	A text box is provided so the user can enter an SSID manually. The string must have 1 to 32 characters. (ASCII codes: 0x20 - 0x7E)

10.3.6.1.3.4 Refresh Button

The Refresh button provides the user with the updated SSID list.

Table 10-138 Refresh Button

Items	Description
"Refresh SSID List"	If pressed, Web Config shows the SSID Search page.

10.3.6.1.3.5 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 10-139 Button

Items	Description
"Next"	This button is used to go forward with Wi-Fi Setup based on the values entered on the Wi-Fi Setup page. If pressed, Web Config goes to the Confirmation page without applying the changes.
"Back"	If pressed, Web Config discards the entered values and goes to the top page of Wi-Fi Setup.

When the "Apply" button is pressed, Web Config displays a pop-up window that shows the following message if it recognizes an error in the entered value.

Table 10-140 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered for SSID is invalid. The item name of the invalid value is shown under the message in the left cell.

10.3.6.1.4 Confirm IEEE802.1X Settings Page

If the Next button is pressed on the IEEE802.1X Top page or Wi-Fi Settings page, Web Config goes to the Confirm IEEE802.1X Settings page.

10.3.6.1.4.1 Image

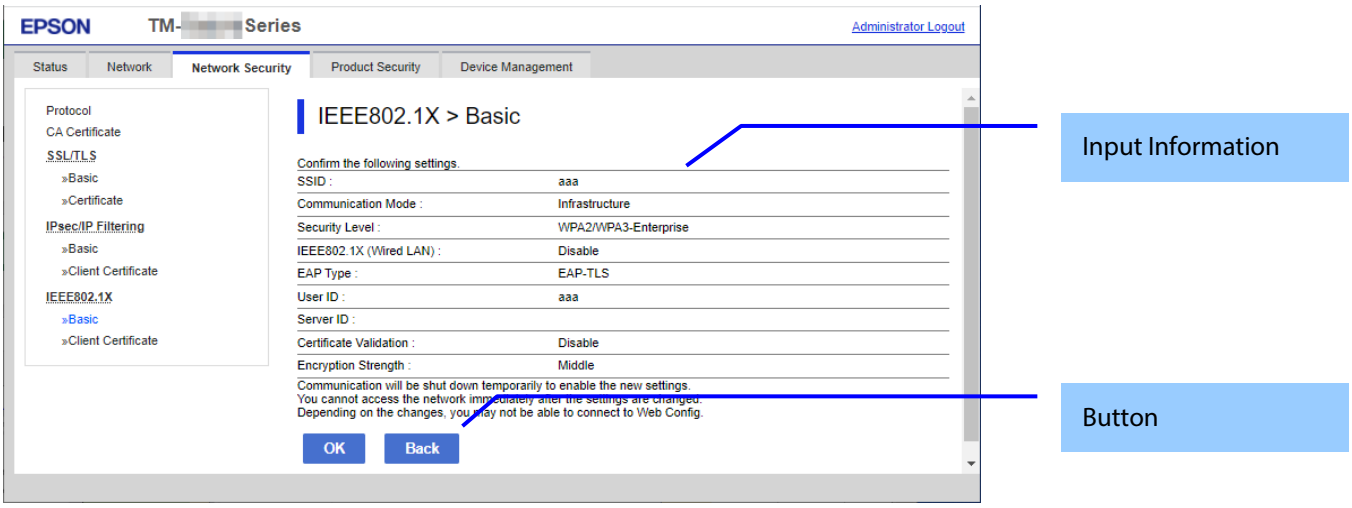


Figure 10-51 Confirm IEEE802.1X Settings Page

10.3.6.1.4.2 Input Information

The display items for entered information are changed from the top page or the Wi-Fi settings page.

Display items of input information is changed from top page or Wi-Fi settings page.

Table 10-141 Comparison of display items

Items	From Top page	From Wi-Fi Settings page
“SSID”	-	✓
“Communication Mode”	-	✓
“Security Level”	-	✓
“IEEE802.1X(Wired LAN)”	✓	✓
“EAP Type”	✓	✓
“User ID”	✓	✓
“Password”	✓	✓
“Server ID”	✓	✓
“Anonymous Name”	✓	✓
“Encryption Strength”	✓	✓

✓ : display, - : hide

Disabled items on the top page are hidden.

Table 10-142 Description

Items	Description	Condition
“Confirm the following settings.”	This message is shown at the top of the page, followed by the setting items and their values.	-
“Communication will be shut down temporarily to enable the new settings.” “You cannot access the network immediately after the settings are changed.” “Depending on the changes, you may not be able to connect to Web Config.”	This message is shown at the bottom of the page.	-
<The case of product without LCD panel> “If connection is lost unintentionally, initialize the network settings on the product's control panel. And then configure it again.” <The case of scanner with LCD panel> “If connection is lost unintentionally, disable IEEE802.1X on the product's control panel. And then configure it again.”	This message is shown at the bottom of the page.	- Only from top page

10.3.6.1.4.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 10-143 Button

Items	Description
"Apply"	This button is used to apply the entered values to the system shown on the Confirm IEEE802.1X Settings page. If pressed, Web Config goes to the Result page.
"Back"	This button is used to go back to the IEEE802.1X Top page in Basic Settings or on the Wi-Fi Settings page.

10.3.6.1.5 Result page

The following figure shows the page that is displayed after the network settings are processed.

10.3.6.1.5.1 Image

The content of the Result page will vary based on the result (success or failure).

Figure 10-52 Result page

10.3.6.1.5.2 Setting Result

Table 10-144 Setting Result

Items	Description
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

10.3.6.2 Client Certificate

10.3.6.2.1 Top page

The following figure shows the layout of the top page for certificate settings.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

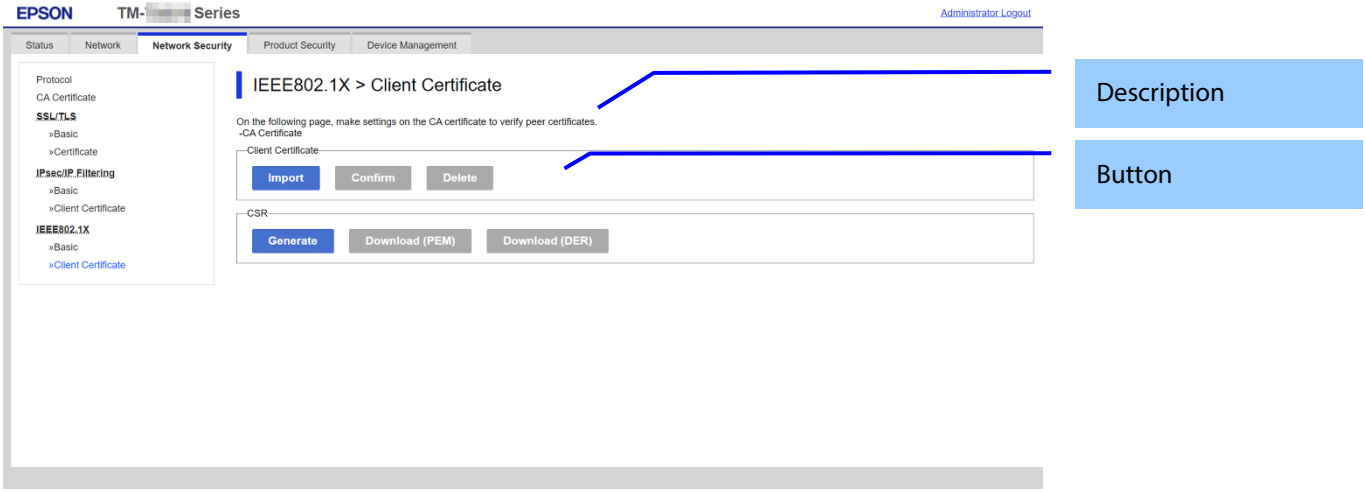


Figure 10-53 Client Certificate Top page

10.3.6.2.1.1 Description Items

Table 10-145 Description Items

Items	Description
“On the following page, make settings on the CA certificate to verify peer certificates.” “-CA Certificate”	Fixed Strings

10.3.6.2.1.2 Copy list

You can choose other functions to copy the certificate to this function.

10-146 Copy list

Items	Description	Condition
“Copy From”	Use the drop-down list to make a choice. “Certificate for SSL/TLS” / “Certificate for IPsec” “Certificate for SSL/TLS” is displayed when Client Certificate is imported in SSL/TLS page. “Certificate for IPsec” is displayed when Client Certificate is imported in IPsec page. “Certificate for S/MIME” is displayed when Client Certificate is imported in S/MIME page.	“Copy From” is displayed when the Client Certificate is imported on the following page: - SSL/TLS page - IPsec page - S/MIME page

10.3.6.2.1.3 Button

The following table shows the buttons on the page.

Table 10-147 Button

Items (Group Name)	Items (Button Name)	Description	Condition
“Client Certificate”	“Import”	Button for importing Client certificate	-
	“Confirm”	Button for confirming the imported Client certificate	Client certificate imported.
	“Delete”	Button for deleting the imported Client certificate	Client certificate imported
	“Copy”	Button for copying client certificates from other functions Web Config displays a pop-up window if a Client Certificate was already imported in this function. Web Config displays a result page if a Client Certificate was NOT imported in this function.	The “Copy” button is displayed when the Client Certificate is imported on the following page - SSL/TLS page - IPsec page

“CSR”	“Generate”	- Button for moving to the settings page to generate CSR	-
	“Download (PEM)”	- Button for downloading the CSR date in PEM format	-CSR created.
	“Download (DER)”	- Button for downloading the CSR date in PEM format	-CSR created.

10.3.6.2.2 Result page

The following result is shown in the main frame after the “Copy” button is pressed.

10.3.6.2.2.1 Image

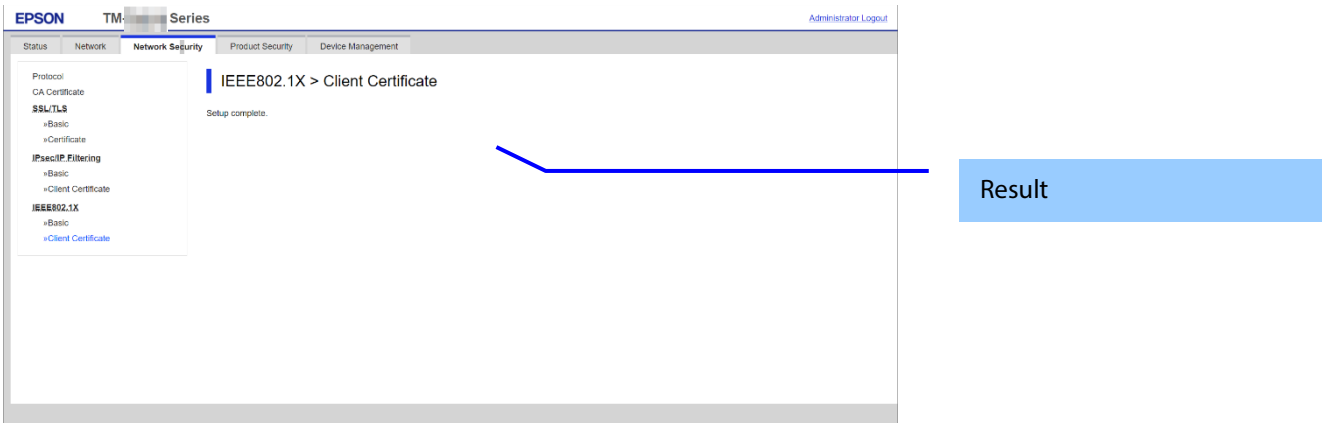


Figure 10-54 Result page

10.3.6.2.2.2 Result

Table 10-148 Result page

Items	Description
“Setup complete.”	This message is shown when importing without overwriting is completed.
“Setup failed.”	This message is shown if the settings fail.

10.3.6.2.3 Importing for Client certificate

10.3.6.2.3.1 Import Top Page

This page is shown after the 'Import' button in the Client certificate settings is pressed.
The format of the indicated page is the same as "IPsec/IP Filtering > Importing for Client certificate".

10.3.6.2.3.1.1 Setting Items

On the Import Top Page, the following items can be controlled by the administrator.

Table 10-149 Setting Items

Items	Description	Condition
"Client Certificate"	Enter the file of the Client certificate to import it into the printer. You can also use the file button to select the file.	-
File Format	Choose the file format of the server certificate to import it into the printer. "Certificate (PEM/DER)" / "Certificate with Private Key (PKCS#12)"	-
"Private Key"	Enter the private key file of the server certificate to import it into the printer. You can also use the file button to select the file.	Only when certificate (PEM/DER) is selected
"Password"	Enter the passphrase for encryption to create a private key. Usable string: ASCII code (0x20-0x7E) Max of 48 characters.	Only if certificate with private key (PKCS#12) is selected
"CA Certificate 1"	Enter the file of the certificate signed by CA issuing the server certificate to import it into the printer. You can also use the file button to select the file. Max of 255 characters.	In certificate (PEM/DER) selected only.
"CA Certificate 2"	Enter the file of the certificate signed by CA issuing the first CA certificate to import it into the printer. It also is able to select the file using file button.	In certificate (PEM/DER) selected only.

10.3.6.2.3.1.2 Description Items

Table 10-150 Description Items

Items	Description
"Note: It is recommended to communicate via HTTPS for importing a certificate."	Fixed Strings

10.3.6.2.3.1.3 Button

The following table shows the button on the page.

Table 10-151 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "OK" button is pressed, Web Config performs the following operations depending on conditions. - If the entered value is invalid, Web Config displays a pop-up window with an error message. - If the entered value is NOT invalid and a Client Certificate was imported already, Web Config displays a pop-up window with a warning message. - If the entered value is NOT invalid and a Client Certificate was NOT imported already, Web Config displays a Result page.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.6.2.3.2 Error pop-up window

If the “OK” button is pressed, the error pop-up window is shown if the entered value is invalid.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

10.3.6.2.3.2.1 Confirmation message

Table 10-152 Error pop-up window

Items	Description
“Select a Client Certificate.”	This message is shown when the file of the client certificate is not selected.
“CA Certificate 1 is not entered.”	If the file of the CA certificate1 is not selected but the CA certificate is selected, this message is shown.
“Invalid value below.”	Shown if an entered value error occurs

10.3.6.2.3.2.2 Button

The wording of the OK button is displayed according to the display specifications for each Web browser.

Table 10-153 Button

Items	Description
“OK”	Button for going back to the Import Top Page.

10.3.6.2.3.3 Warning pop-up window

If the “OK” button is pressed, the error pop-up window is shown if the Server Certificate was imported already.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

10.3.6.2.3.3.1 Confirmation message

Table 10-154 Warning pop-up window

Items	Description
“The certificate will be overwritten.” “Communication will be shut down temporarily.”	If the entered value is NOT invalid and a Client Certificate was imported already, a pop-up window with a warning message is displayed.

10.3.6.2.3.3.2 Button

The wording of the OK button and the Cancel button is displayed according to the display specifications for each Web browser.

Table 10-155 Button

Items	Description
“OK”	Overwrites all of the imported certificates Button for going to the result page.
“Cancel”	Button for going back to the Import Top Page.

10.3.6.2.3.4 Result page

The following result is shown in the main frame after the "OK" button is pressed.
The format of the indicated page is the same as "IPsec/IP Filtering > Importing for Client certificate".

10.3.6.2.3.4.1 Result

Table 10-156 Result

Items	Description	Redirect from Import Top Page	Redirect from Warning pop-up	Redirect after pressing Reboot Network button
"Setup complete."	This message is shown when importing is completed.	Yes	No	No
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when importing and overwriting are completed. The network shuts down in order to update.	No	Yes	Yes
"Invalid password."	This message is shown when the entered password is invalid.	Yes	Yes	No
"Invalid file."	This message is shown in the following cases. - The file uses an incorrect format or wrong interrelation. - The file size is greater than the stipulated range of 5k to 24k. (See the note.) - The private key and certificate do not match. - Incorrect chain.	Yes	Yes	No
"Invalid date and time."	This message is shown when an expired certificate is imported, and the date and time are not set.	Yes	Yes	No
"The certificate has expired. Check if the certificate is valid, or check the date and time on the product."	This message is shown when an expired certificate is imported, and the date and time are already set.	Yes	Yes	No
"Cannot use the Client Certificates that include more than three CA certificates."	This message is shown when a server certificate that includes more than 3 CA-signed certs is imported in PSCS#12.	Yes	Yes	No
"Private key is required."	This message is shown when a private key is required.	Yes	Yes	No
"Setup failed."	This message is shown when importing fails.	Yes	Yes	No
"Setup failed." "Click [Reboot Network] to apply the settings." "Communication will be shut down temporarily." "The setting may be applied to the communication after other settings are changed or the device is restarted."	This message is shown when a network reboot fails.	No	Yes	Yes

Note: If the size of a certificate to be imported is larger than 24KBytes, the device is unable to read it and a Web browser error is shown.

10.3.6.2.3.4.2 Button

Table 10-157 Button

Items	Description	Condition
"Reboot Network"	Reboots the network If the network reboot is successful, Web Config displays the successful result page. If the network reboot fails, Web Config displays the same page.	If the network reboot fails

10.3.6.2.4 Confirm for Client certificate

This page is shown after 'Confirm' for the import is pressed in the Client certificate settings.
The format of the indicated page is the same as "IPsec/IP Filtering > Confirm for Client certificate".

10.3.6.2.4.1 Display Items

Table 10-158 Display Items

Items	Description
"Client Certificate"	Shows the content of the server certificate imported into the printer
"CA Certificate 1"	Shows the content of the first CA-signed certificate imported into the printer
"CA Certificate 2"	Shows the content of the second CA-signed certificate imported into the printer

10.3.6.2.4.2 Button

Table 10-159 Button

Items	Description
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

10.3.6.2.5 Delete for the Client certificate

10.3.6.2.5.1 Warning pop-up window

To delete all imported client certificates, click the "Delete" button for client certificates on the top page for certificate settings in the IEEE802.1X settings.

10.3.6.2.5.2 Result page

The following result is shown in the main frame after the "OK" button is pressed.

10.3.6.2.5.2.1 Image

Figure 10-55 Result page

10.3.6.2.5.2.2 Result

Table 10-160 Result page

Items	Description
"Setup complete."	This message is shown when deleting the certificate is successful.
"Setup failed."	This message is shown when deleting the certificate fails.

10.3.6.2.6 Copying and overwriting a Client certificate

10.3.6.2.6.1 Warning pop-up window

A pop-up window is shown when the 'Copy' is pressed if the Client Certificate was imported with this function.
The format of the indicated page is the same as "Importing for CA-signed certificate".

10.3.6.2.6.1.1 Confirmation message

Table 10-161 Warning pop-up window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	If the Client Certificate was imported already, a pop-up window with a warning message is displayed.

10.3.6.2.6.1.2 Button

The wording of the OK button and the Cancel button is displayed according to the display specifications for each Web browser.

Table 10-162 Button

Items	Description
"OK"	Overwrites all of the imported certificates Button for going to the result page.
"Cancel"	Button for going back to the Import Top Page.

10.3.6.2.6.2 Result page

The following result is shown in the main frame after the "OK" button is pressed.
The format of the indicated page is the same as "IPsec/IP Filtering > Copying and overwriting Client certificate".

10.3.6.2.6.2.1 Result

Table 10-163Result

Items	Description	Transit from Warning pop-up	Result page
"Shutting down." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when copying and overwriting are completed. The network shuts down in order to update.	Yes	Yes
"Setup failed."	This message is shown when copying and overwriting fail.	Yes	Yes

10.3.6.2.7 Generate CSR(Certificate Signing Request)

10.3.6.2.7.1 Generate Top Page

This page is shown after 'Generate' for importing in the CSR settings is pressed.
The format of the indicated page is the same as "SSL/TLS > Certificate> Generate CSR".

10.3.6.2.7.1.1 Setting Items

The user must enter the following information to generate CSR.
The following table shows the items on the page.

Table 10-164 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for generating CSR. "RSA 1024bit - SHA-1" / "RSA 2048bit - SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit - SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit - SHA-512"
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",")(0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	Use the text box to input the organization for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Organizational Unit"	Use the text box to input the organization unit for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Locality"	Use the text box to input a locality for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"State/Province"	Use the text box to input a state or province for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Country"	Use the text box to input the country for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 2 characters If there is no string, the value is treated as a white space.

NOTE: You can enter multiple names for these items.

10.3.6.2.7.1.2 Button

Table 10-165 Button

Items	Description
"OK"	Button for generating CSR at the bottom of the main frame
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "Generate" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-166 Error pop-up

Items	Description
" Invalid value below. ¥n -%s¥n -%s¥n…"	Shows a warning when a value is entered incorrectly.

10.3.6.2.7.1.3 Result page

After the Generate CSR button is pressed, Web Config goes to the Result page.

Table 10-167 Setting Result

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if the settings fail.

10.3.6.2.8 Download CSR(Certificate Signing Request)

This page is shown after 'Download' for importing in the CSR settings is pressed.
The default name of the downloaded file is in the form of "EXPORT_CSR_<*Serial Number*>_<*Date and Time*>".
<*Serial Number*> is the Product's Serial Number.
<*Date and Time*> is the Date and Time set for the product.

The method of downloading the CSR varies by Web browser.

10.4 Product Security

10.4.1 Password Encryption

10.4.1.1 Top page

10.4.1.1.1 Image

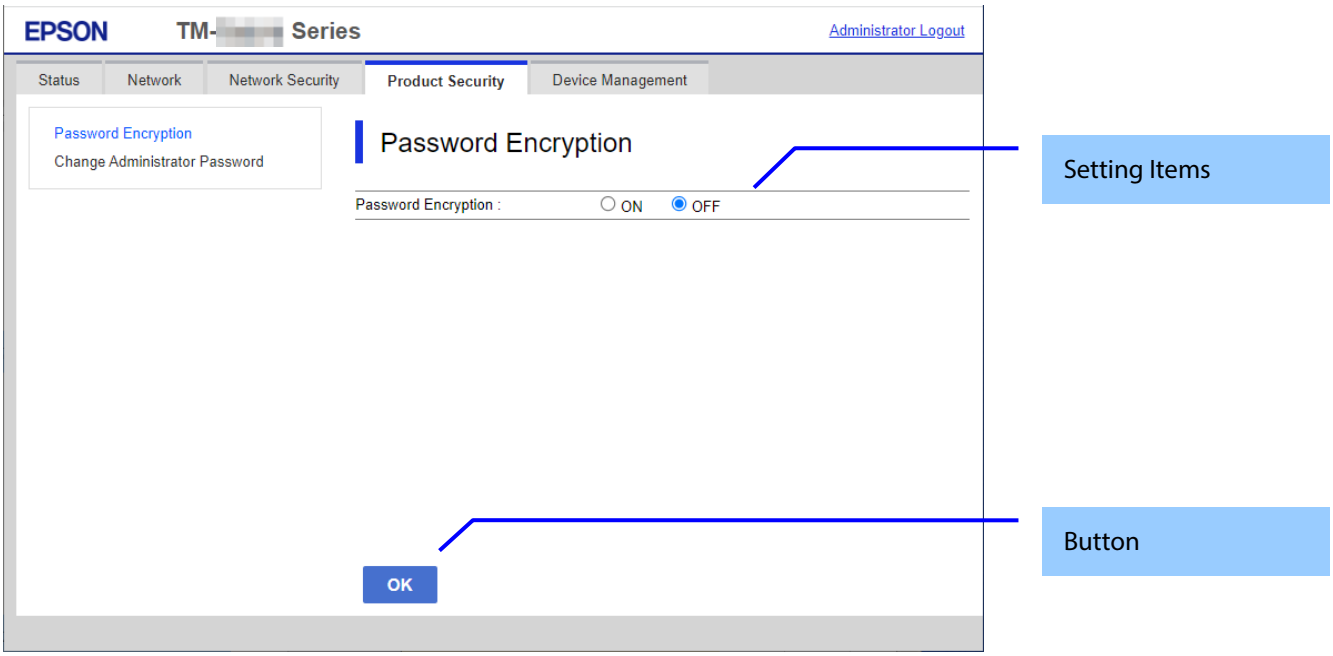


Figure 10-56 Password Encryption

10.4.1.1.2 Setting Items

The following table shows the item on the page.

Table 10-168 Setting Items

Items	Description	Condition
"Password Encryption"	Two radio buttons are provided to choose either of the followings: "ON" / "OFF"	Display only on software encryption models.
"Password Encryption"	Display the following set values as a string. "ON" / "OFF"	Display only on TPM encryption models.

10.4.1.1.3 Button

The following table shows the button on the page.

Table 10-169 Button

Items	Description	Condition
"OK"	The button on bottom of the main frame to perform setting.	Display only on software encryption models.

10.4.1.1.4 Confirmation Dialog

Table 10-170 Confirmation Dialog

Items	Description
"Restart the printer to apply the password encryption setting. If you turn the power off while restart is in progress, data may be damaged and the printer settings are restored to defaults."	Displayed when "Setting" button is pressed.

10.4.1.2 Result page

The result message is shown on the main frame after "OK" button is pressed.

10.4.1.2.1 Image

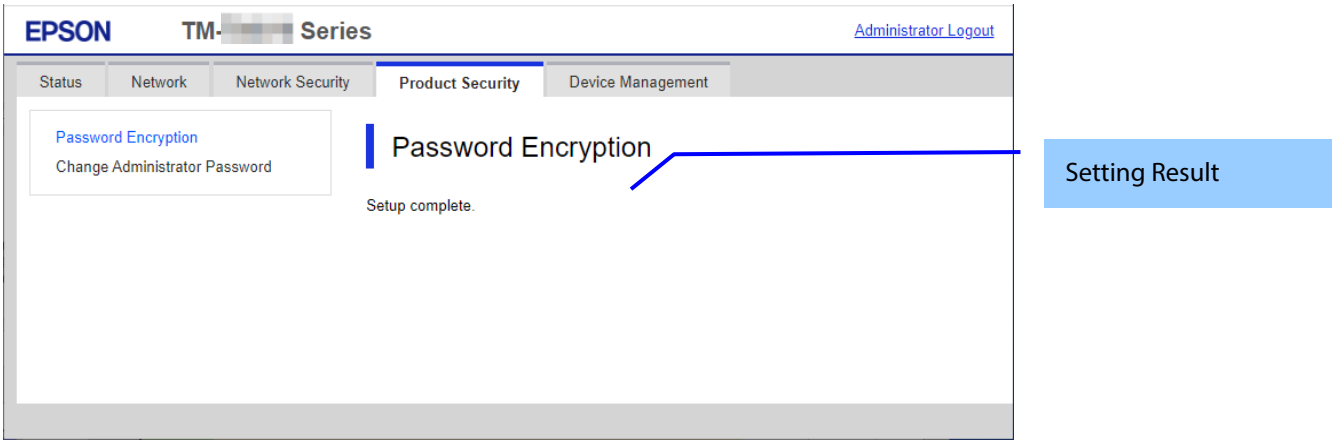


Figure 10-57 Result page

10.4.1.2.2 Setting Result

Table 10-171 Result page

Items	Description
"Setup complete."	This message is shown when the settings are completed successfully.
"Setup failed."	This message is shown if setup is failed.

10.4.2 Change Administrator Password

In this area, the user can change the authentication information for an administrator.
The settings that are configured by the user in this area are used when an administrator logs on.

10.4.2.1 Top page

10.4.2.1.1 Image

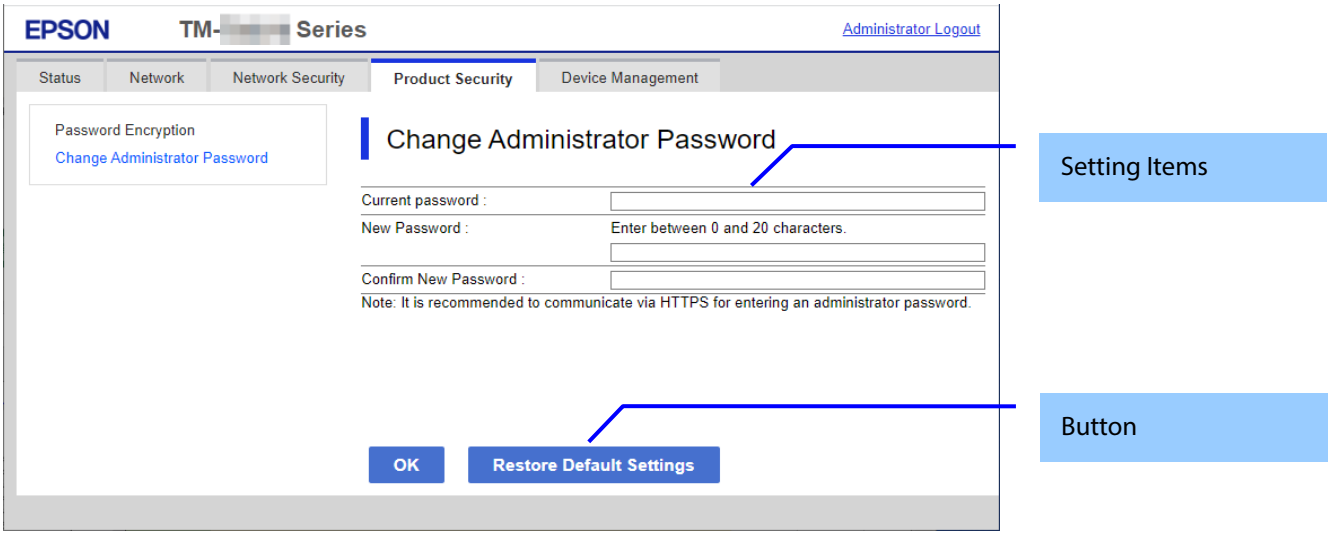


Figure 10-58 Change Administrator Password

10.4.2.1.2 Setting Items

The following table shows the items on the page.

Table 10-172 Setting Items

Items	Description	Condition
“Current password”	Text box for entering the current password	-
“New Password”	Text box for entering the current user's name. Usable string: ASCII code (0x20-0x7E) from 0 to 20 characters.	-
“Enter between %d and 20 characters.”	Message for entering characters. ● ISO15408 corresponding only model ● Other models "1～20 characters"	-
“Confirm New Password”	Text box for entering a new password. Usable string: ASCII code (0x20-0x7E) Max of 20 characters. However, if the password is against the password policy, the setting will fail.	-
“Note: It is recommended to communicate via HTTPS for entering an administrator password. “	Message for entering characters.	-

10.4.2.1.3 Button

The following table shows the buttons on the page.

Table 10-173 Button

Items	Description	Condition
"OK"	Button at the bottom of the page	-
"Restore Default Settings"	If pressed, Web Config restores the setting values to the factory defaults.	Displayed only on models that support the initial value for the administrator password.

When the "OK" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-174 Error Popup

Items	Description
"Invalid value below.	When the format of the entered user name or password is not correct, this message is shown.
"Password and confirm password do not match."	When new password and the confirmation password do not match, this message is shown.

10.4.2.2 Result page

The result message is shown in the main frame after the "OK" button is pressed.

10.4.2.2.1 Image

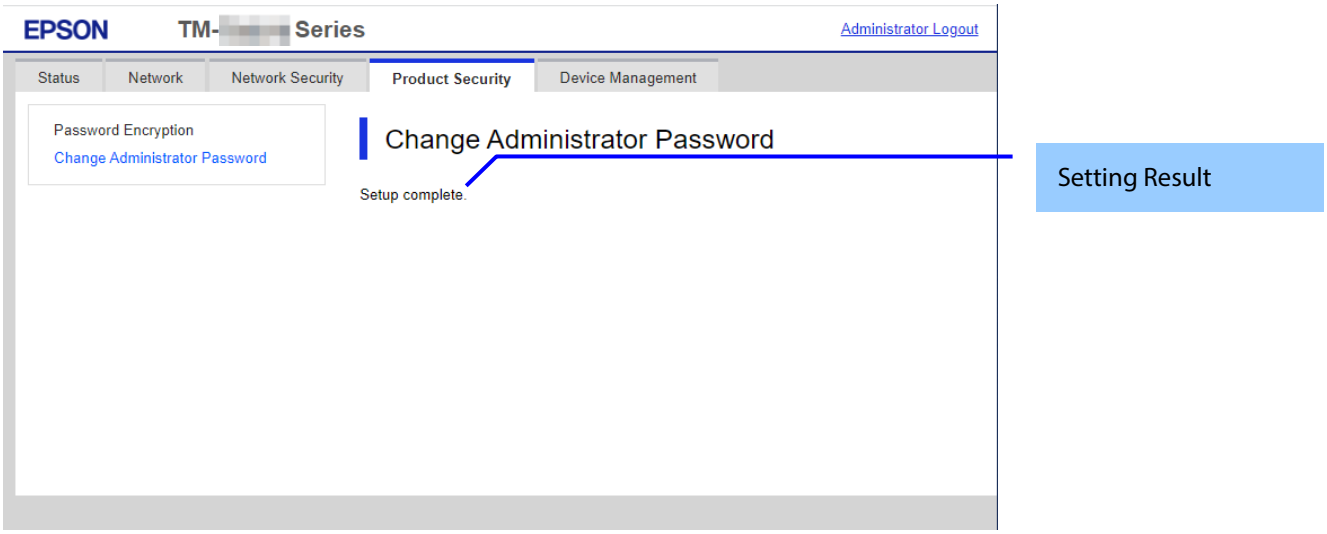


Figure 10-59 Image

10.4.2.2.2 Setting Result

Table 10-175Result

Items	Description
"Setup complete."	This message is shown when the settings are completed. After that, Web Config reloads the page and displays the product status page. If an administrator was logged on previously, Web Config maintains administrator logon mode. If a user other than an administrator was logged on, Web Config exits administrator logon mode.
"Failed to make the settings." "The password you entered is incorrect."	This message is shown if the current password entered by the user is incorrect. None of the setting items on this page are applied to the printer.
"The password does not meet the password policy requirements. Check the requirements."	This message is shown if setup fails due to a violation of the Password Policy.
"Setup failed."	This message is shown if setup fails for a reason other than those described above.

10.5 Device Management

10.5.1 Export and Import Setting Value

On the Setting Export and Import page, the user can export Web Config advanced settings to a file, and import those settings from a configuration file.

Table 10-176 Sub menu of Export/Import

Sub menu
"Export"
"Import"

10.5.1.1 Export/Import Category

The user can select an export/import category that includes multiple setting items. The categories and setting items are shown below. Some categories contain sub-categories. If the parent category is selected, all sub-categories are selected.

Table 10-177 Export/Import Category.

Category	Description
"All"	All categories are selected.
"Network"	All sub-categories are selected.
"Basic"	All sub-categories are selected.
"Settings except below"	Network Settings > Basic in the menu is selected, except for the following settings.
"Device Name"	Printer Name in Network Basic is selected.
"Location"	Location in Network Basic is selected.
"Obtain IP Address, IP Address, Subnet Mask, and Default Gateway"	Obtain IP Address, IP Address, Subnet Mask, and Default Gateway in Network Basic are selected.
"IPv6 Address and IPv6 Address Default Gateway"	IPv6 Address and IPv6 Address Default Gateway in Network Basic are selected.
"Wi-Fi"	Wi-Fi in the menu is selected.
"Wired LAN"	Wired LAN in the menu is selected.
"Wi-Fi Direct"	Not equipped with Wi-Fi chip Wi-Fi Direct in the menu is selected. Equipped with Wi-Fi chip All sub-categories are selected.
"Settings except below"	Equipped with Wi-Fi chip Network > Wi-Fi Direct in the menu is selected, except for the following settings.
"SSID and Password"	If it is equipped with Wi-Fi chip. It intends SSID and Password of Wi-Fi Direct.
"Network Security"	All sub-categories are selected.
"Protocol"	All sub-categories are selected.
"Settings except below"	Services > Protocol in the menu is selected except for the following settings.
"Bonjour Service Name"	Bonjour Service Name of Protocol is selected.
"SSL/TLS"	All sub-categories are selected.
"Basic"	Basic of SSL/TLS in the menu is selected.
"Certficate"	Server Certificate of SSL/TLS in the menu is selected.
"Automatic Certificate Update"	It intends Automatic Certificate Update on the menu.
"IPsec/IP Filtering"	All sub-categories are selected.
"Basic"	Basic of IPsec/IP Filtering in the menu is selected.
"Client Certificate"	Client Certificate Settings in IPsec/IP Filtering Certificate is selected.
"IEEE802.1X"	All sub-categories are selected.
"Basic"	Basic of IEEE802.1X in the menu is selected.
"Client Certificate"	Client Certificate Settings in IEEE802.1X Certificate is selected.
"CA Certificate"	CA Certificate in the menu is selected.
"Product Security"	All sub-categories are selected.
"Access Control Settings"	Access Control Settings in the menu is selected.
"Password Encryption"	Password Encryption in the menu is selected.
"Administrator Password"	Administrator Password in the menu is selected.
"Device Management"	All sub-categories are selected.
"Administrator Name/Contact Information"	Administrator Name/Contact Information in the menu is selected.
"Date and Time"	Date and Time (Display Format, Time Difference, and Time Server) in the menu are selected.

10.5.1.2 Export

The Export page consists of a Top page and a Result page.

10.5.1.2.1 Top page

10.5.1.2.1.1 Image

When "Export" is chosen in the menu frame, the top page for export is displayed as shown below.

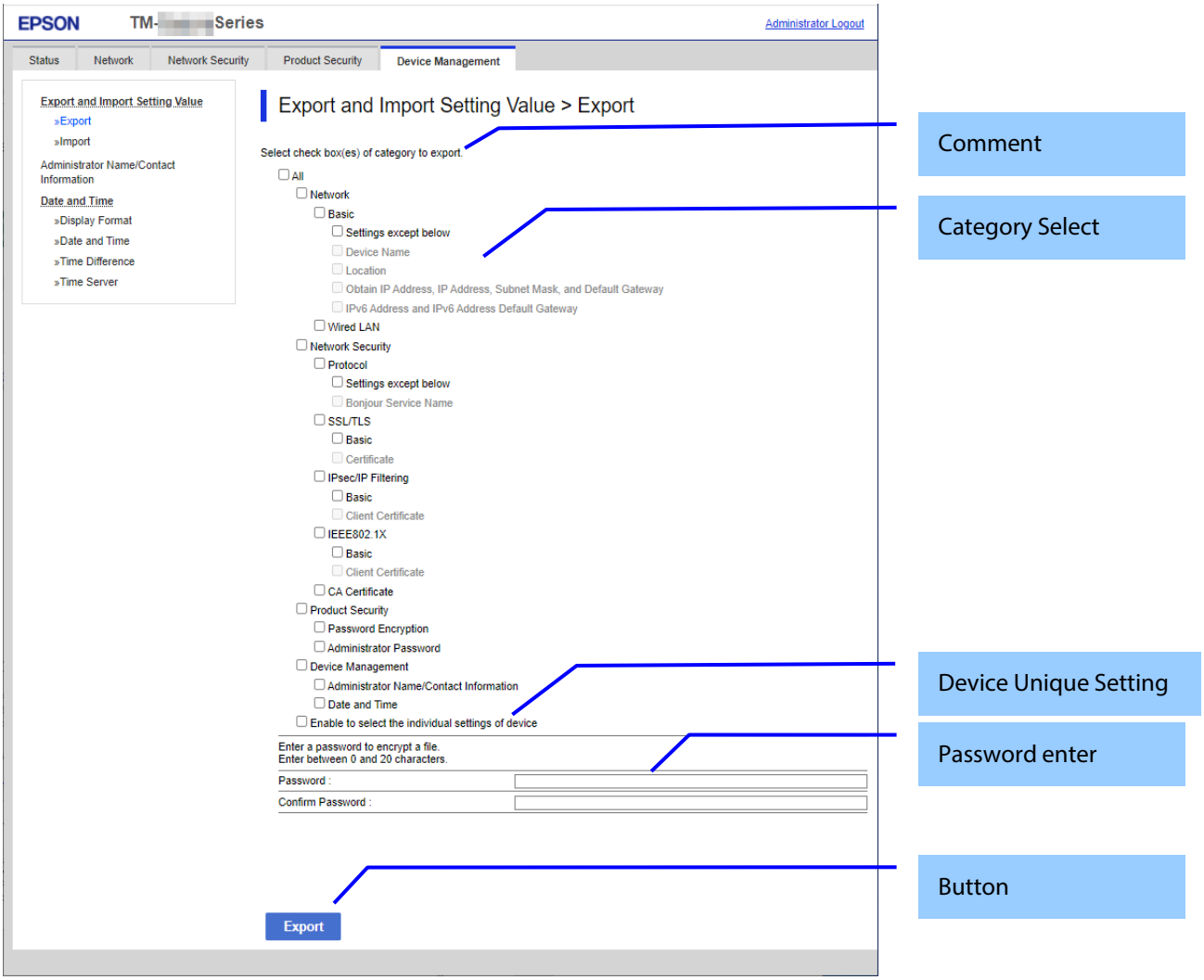


Figure 10-60 Top page

10.5.1.2.1.2 Comment

The following table shows the layout for comments.

Table 10-178 Comment

Comment	Description
"Select check box(es) of category to export."	This is displayed above the category selection.
"Enter a password to encrypt a file." "Enter between 0 and 20 characters."	This is displayed above the field for entering the password.

10.5.1.2.1.3 Category Select

This item is for checking the export categories. Selectable categories are shown in "Export/Import Category". No categories are selected at first. The following table shows the features of each export category.

Table 10-179 Features of Export Categories

Categories	Feature
Device Name	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked.
Location	
Obtain IP Address, IP Address, Subnet Mask, Default Gateway	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is displayed when "Obtain IP Address" is "Manual".
IPv6 Address, IPv6 Address Default Gateway	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked.
Network Security Settings > SSL/TLS > Certificate	
Network Security Settings > IPsec/IP Filtering > Client Certificate Settings	
Network Security Settings > IEEE802.1X > Client Certificate Settings	
Network Security Settings > S/MIME > Client Certificate	
Bonjour Service Name	
SSID and Password	
Network Security Settings > S/MIME > Client Certificate	When S/MIME certificate is imported, it is linked with the mail server settings rather than configured as a unique device setting.
Product Security > Password Encryption	Displayed only on models with software encryption enabled.

10.5.1.2.1.4 Device Unique Settings Select

The following table shows the description of items for which unique device settings can be selected.

Table 10-180 Device Unique Settings Select

Items	Description
"Enable to select the individual settings of device"	This setting allows the Unique Device Settings to be selected.

10.5.1.2.1.5 Password enter

Enter a password for file encryption.

Table 10-181 Password enter

Items	Description
"Password"	Use the text box to set a password for file encryption. 0 – 20 bytes in characters (ASCII 0x20 – 0x7E). The values are masked.
"Confirm Password"	Same as the Encryption password.

10.5.1.2.1.6 Button

The following table shows the buttons on the page.

Table 10-182 Button

Items	Description
"Export"	If pressed, the printer starts to create an export file. If file creation fails, Web Config goes to the Result page. After it is pressed, all items on the top page are grayed-out.

When the "Export" button is pressed, the Web Config displays a pop-up window showing the following message if it recognizes an error in the entered value.

Table 10-183 Export Error Pop Up

Items	Description
"Select at least one category."	This message is shown when the category is not checked.
"Invalid value below."	Shows a warning when a value is entered incorrectly.
"Passwords you entered do not match."	When the password and the confirmation password do not match, this message is shown.

The default name of the downloaded file is in the format of "Config_<*Serial Number*>_<*Date and Time*>".
<*Serial Number*> is the Product's Serial Number.
<*Date and Time*> is the Date and Time set for the product.

10.5.1.2.2 Result page

The Result page is shown if the file download fails.

Table 10-184 Export Result

Items	Description
"Creating a file failed." "Export the file again."	This message is shown if file creation fails.

10.5.1.3 Import

The Import page consists of a Top page, Category Select page, Confirmation page, and Result page.

10.5.1.3.1 Top page

10.5.1.3.1.1 Image

When "Import" is chosen in the menu frame, the top page is displayed as shown below.

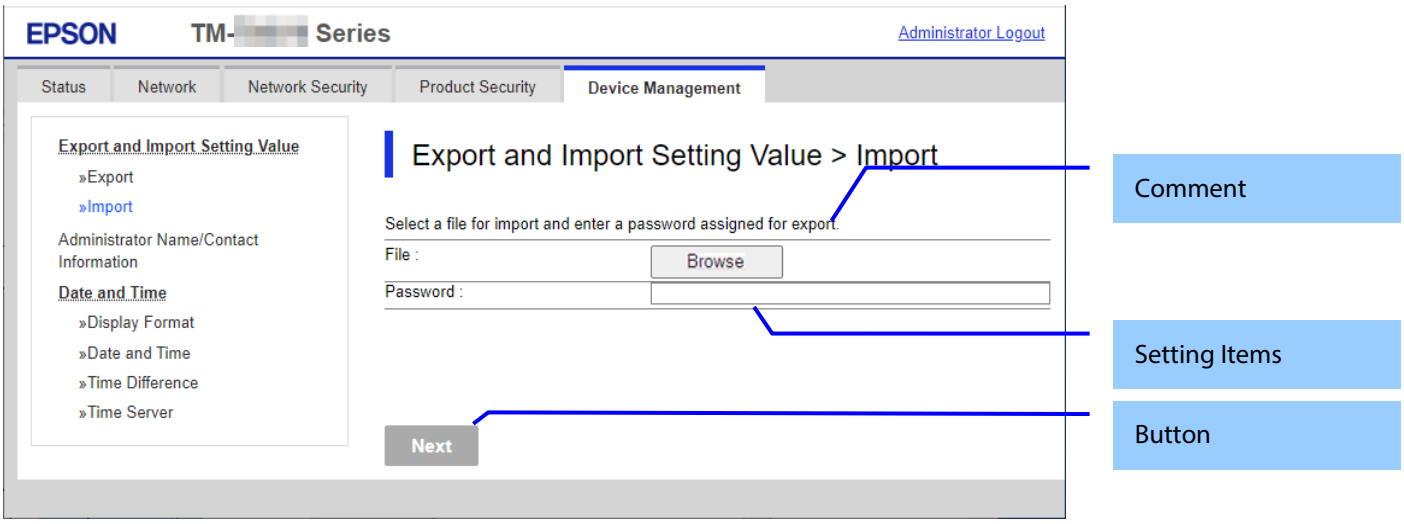


Figure 10-61 Top page

10.5.1.3.1.2 Comment

The following table shows the comments.

Table 10-185 Comment

Items	Description	Condition
"Select a file for import and enter a password assigned for export."	Displayed at the top of the page.	-
"Sending file. Please wait…"	Displayed above the next button.	Displayed after the next button is pressed.

10.5.1.3.1.3 Setting Items

The following table shows the layout of this settings area.

Table 10-186 Setting Items

Items	Description
"File"	The user can enter the import file. Use the file button to select a file.
"Password"	Use the text box to set a password for file decryption. 0 – 20 bytes in characters. (ASCII 0x20 – 0x7E) The values are masked.

10.5.1.3.1.4 Button

The following table shows the buttons on the page.

Table 10-187 Button

Items	Description	Condition
"Next"	If pressed, the Web Config makes transition to the Category Select page.If file analysis is failed, the Web Config makes transition to the Result page. After pressed, all items in top page are grayed-out.	This button is enabled only when an import file is selected.

When the "Next" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value. All items are grayed out and comments are not displayed.

Table 10-188 Error Pop-up

Items	Description
"Invalid value below."	Shows a warning when a value is entered incorrectly.

10.5.1.3.2 Category Select Page

10.5.1.3.2.1 Image

When the file analysis has been done, the Web Config shows Category Select page. This page is as below.

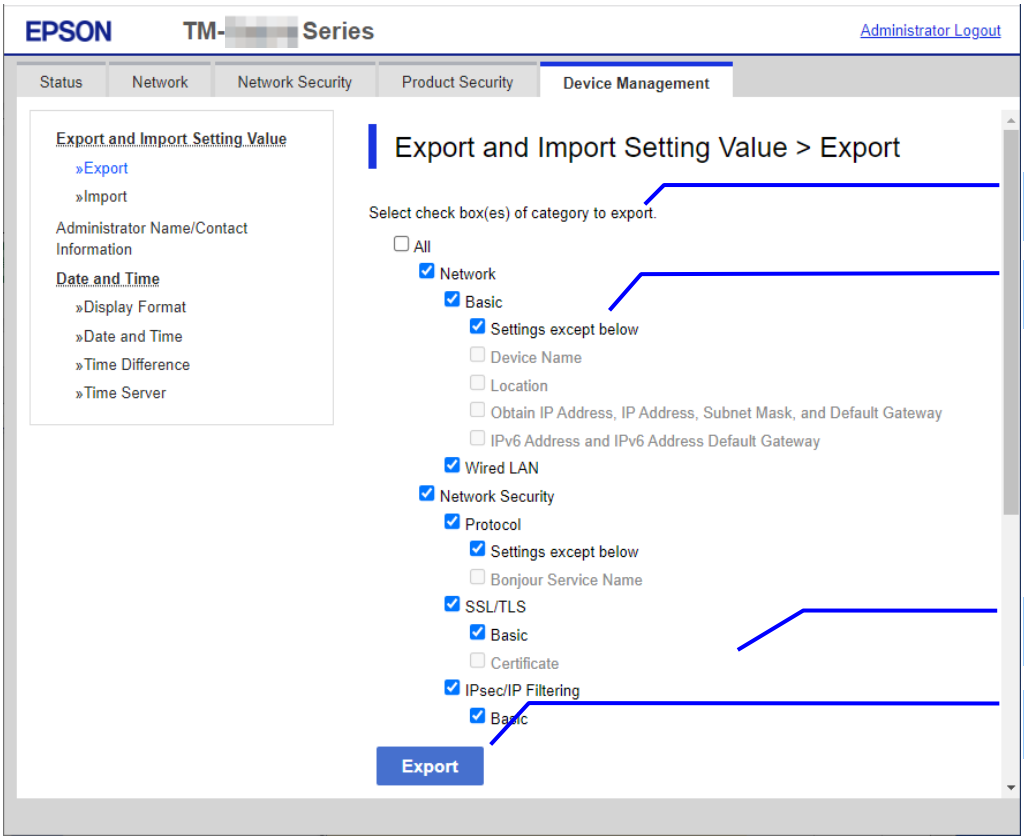


Figure 10-62 Category Select page

10.5.1.3.2.2 Comment

The following table shows the layout for comments.

Table 10-189 Comment

Comment	Description	Condition
“Select check box(es) of category to import.”	This is displayed above the category selection.	-
“The symbols indicate as follows:” “!: Some items in a category cannot be imported.”	This is displayed above the category selection.	-

10.5.1.3.2.3 Category Select

No categories are selected at first. The following table shows the features of each import category

Table 10-190 Features of Import Categories.

Category	Feature
All Categories	The check box is enabled only when the import file includes settings. "!" is displayed in front of a category if some of the settings in that category are not imported.
Device Name Location	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is grayed-out if setting data is not contained in the import file.
Obtain IP Address, IP Address, Subnet Mask, Default Gateway	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is not displayed when "Obtain IP Address" is "Auto". This item is grayed-out if setting data is not contained in the import file.
IPv6 Address, IPv6 Address Default Gateway Network Security Settings > SSL/TLS > Certificate Network Security Settings > IPsec/IP Filtering > Client Certificate Settings Network Security Settings > IEEE802.1X > Client Certificate Settings Bonjour Service Name SSID and Password	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is grayed-out if setting data is not contained in the import file.
Network Settings > LDAP Network Settings > Kerberos	When Kerberos settings are imported into a device with independent Kerberos settings and LDAP settings from a device on an LDAP server, the Kerberos settings are imported to Kerberos 1. Conversely, Kerberos 1 settings are imported to LDAP.
Network Security Settings > IPsec/IP Filtering > Basic	When importing from a model with few setting items, missing items are set to their default values. Items that are grayed out and items with different IKE versions are not overwritten.
Network Security Settings > IEEE802.1X > Basic	When importing from a model with few setting items, missing items are set to their default values.
Network Security Settings > S/MIME > Certificate	Since it is linked with the mail server settings, it is not included in the unique model settings.
Product Security > Password Encryption	Displayed only on models with software encryption enabled.

10.5.1.3.2.4 Device Unique Settings Select

The following table shows the description of items for which unique device settings can be selected.

Table 10-191 Device Unique Settings Select

Items	Description	Condition
"Enable to select the individual settings of device"	This setting allows the Unique Device Settings to be selected.	Grayed-out if import file does not contain unique device settings

10.5.1.3.2.5 Button

The following table shows the buttons on the page.

Table 10-192 Button

Items	Description
“Next”	If pressed, Web Config goes to the Confirmation page. If S/MIME certificate and mail server settings are not selected at the same time on a model that supports S/MIME, the following popup is displayed. “ - You need to select both S/MIME certificate and email server settings. The S/MIME signature setting automatically becomes [Do not add signature] and the S/MIME certificate is deleted. ¥n Do you want to continue?” However, if only the client certificate is imported, it is processed as if an inconsistency has occurred.
“Back”	If pressed, Web Config goes to the Top page.

When the “Next” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-193 Error Popup

Items	Description
“Select at least one category.”	This message is shown when the category is not checked.

Table 10-194 Pop-Up

Items	Description
“By using the firmware, you agree to the End User License Agreement. FOR USERS IN THE UNITED STATES, YOU AGREE TO IMPORTANT LEGAL TERMS AND CONDITIONS, INCLUDING A CLASS ACTION WAIVER AND ARBITRATION. PLEASE READ CAREFULLY:https://support.epson.net/eula/ Agree?”	This message is shown when the category is not checked.

10.5.1.3.3 Confirmation Page

10.5.1.3.3.1 Image

The page is shown when "Next" on the previous page is pressed.

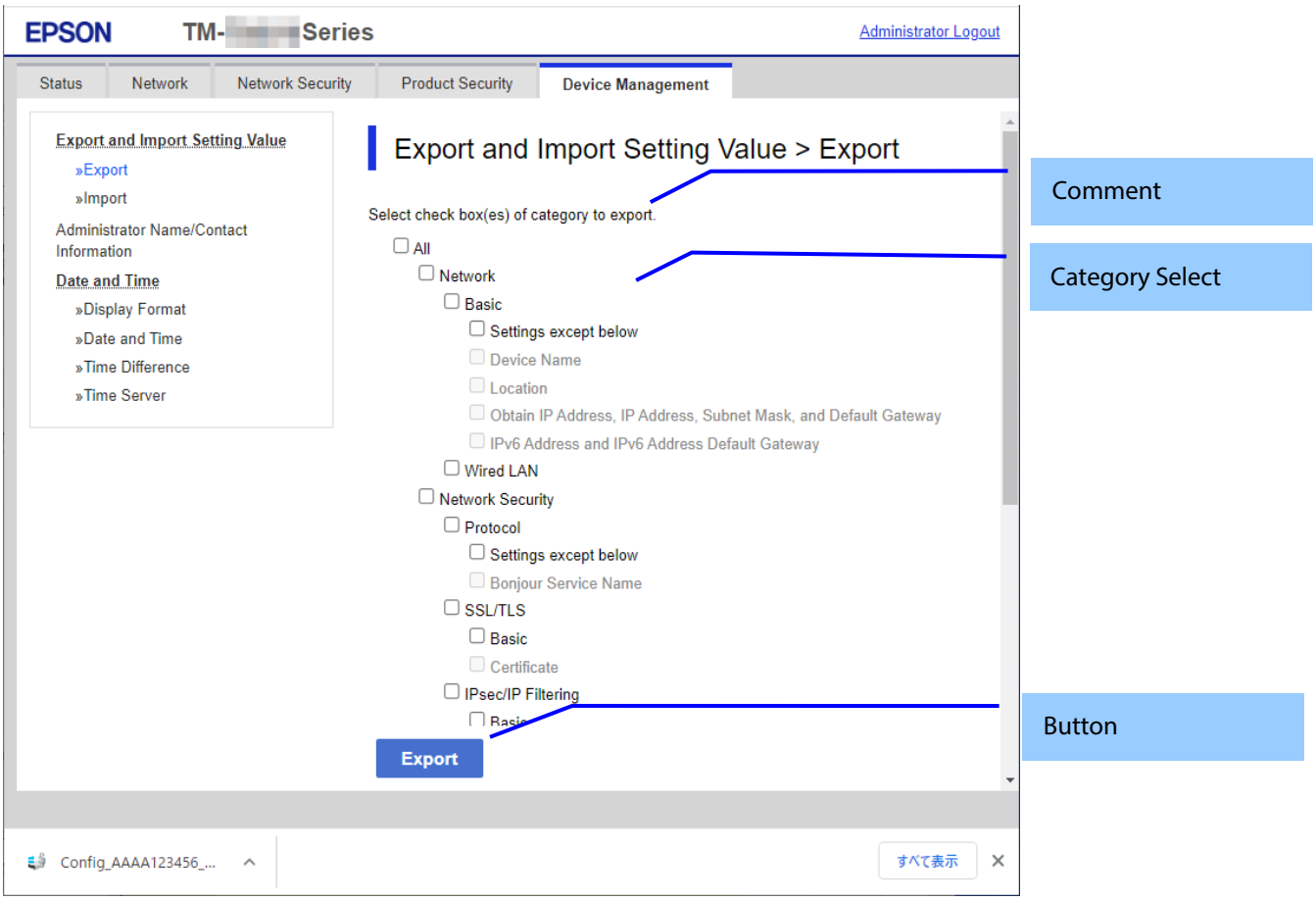


Figure 10-63 Confirmation Page

10.5.1.3.3.2 Comment

The following table shows the layout for comments.

Table 10-195 Comment

Comment	Description	Condition
"The symbols indicate as follows:" "!: Some items in a category cannot be imported."	This is displayed above the category selection.	-
" Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown at the bottom of the page.	-

10.5.1.3.3.3 Category Comfirm

The category information that was entered on the previous page is shown. Categories that weren't selected are grayed out.

10.5.1.3.3.4 Button

The following table shows the button on the page.

Table 10-196 Button

Items	Description
"OK"	If pressed, Web Config goes to the Result page.
"Back"	If pressed, Web Config goes to the Category Select page.

10.5.1.3.4 Result page

10.5.1.3.4.1 Result

The content of the Result page will vary based on the result.

Table 10-197 Result

Items	Description
“Shutting down.” “Restarting communication may take a few minutes.” “If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config.”	This message is shown when the settings are completed. The network shuts down in order to update.
“Setup complete.”	This message is shown when the settings are completed. The network does not shut down.
“Setup failed.”	This message is shown when the configuration of settings fails, or when the import file is changed. If the device is in interrupting mode, configuration of the settings fails.
“Loading file failed.” “Check if the file and password are correct and then import the file again.”	This message is shown when either the file or the password is not correct.

10.5.2 Administrator Name / Contact Information

In this area, the user can set the contact information for the administrator.

10.5.2.1 Top page

10.5.2.1.1 Image

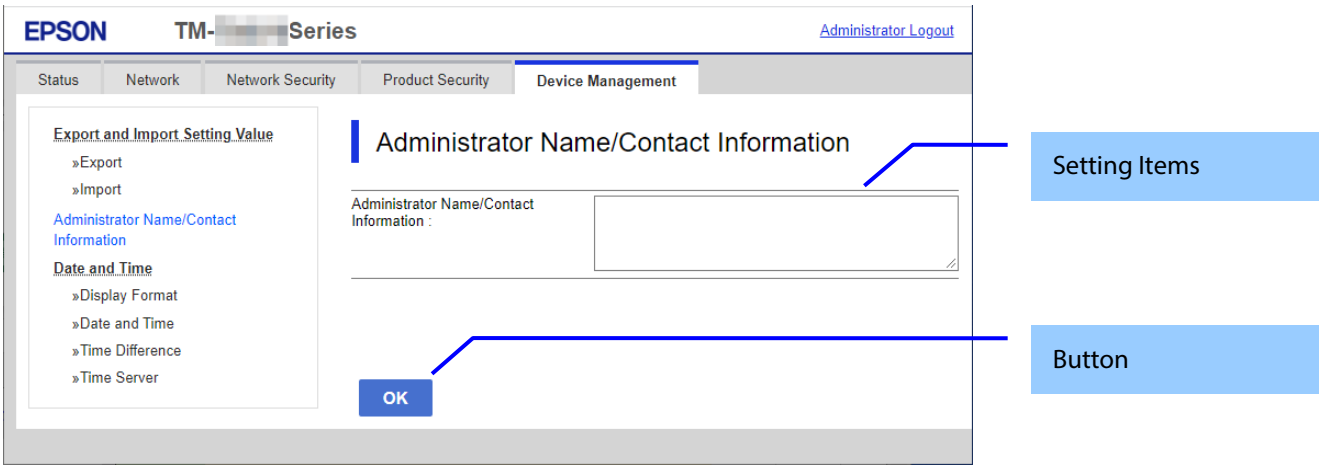


Figure 10-64 Contact Information Settings

10.5.2.1.2 Setting Items

The following table shows the items on the page..

Table 10-198 Setting Items

Items	Description
"Administrator Name/Contact Information"	UTF-8: 0 ~ 255Byte Text box for entering contact information Usable string: UTF-8 code, Max. of 255 bytes.

10.5.2.1.3 Button

The following table shows the buttons on the page.

Table 10-199 Button

Items	Description
"OK"	Button at the bottom of the main frame

10.5.2.2 Result page

The result message is shown in the main frame or in an error pop-up after the "OK" button is pressed.

10.5.2.2.1 Results

Table 10-200 Results

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if setup fails.
"Invalid value below." " – Administrator Name/Contact Information"	Shows an error pop-up when a value is entered incorrectly.

10.5.3 Date and Time

In the settings area, you can set the date and time supported by the printer. You can also change the settings related to the NTP server.

Table 10-201 Sub menu of Date and Time

Sub menu	Condition
“Display Format”	-
“Date and Time”	-
“Time Difference”	-
“Time Server”	Only printers that support NTP

10.5.3.1 Display Format

The following figure shows the layout of this settings area.

10.5.3.1.1 Top page

10.5.3.1.1.1 Image

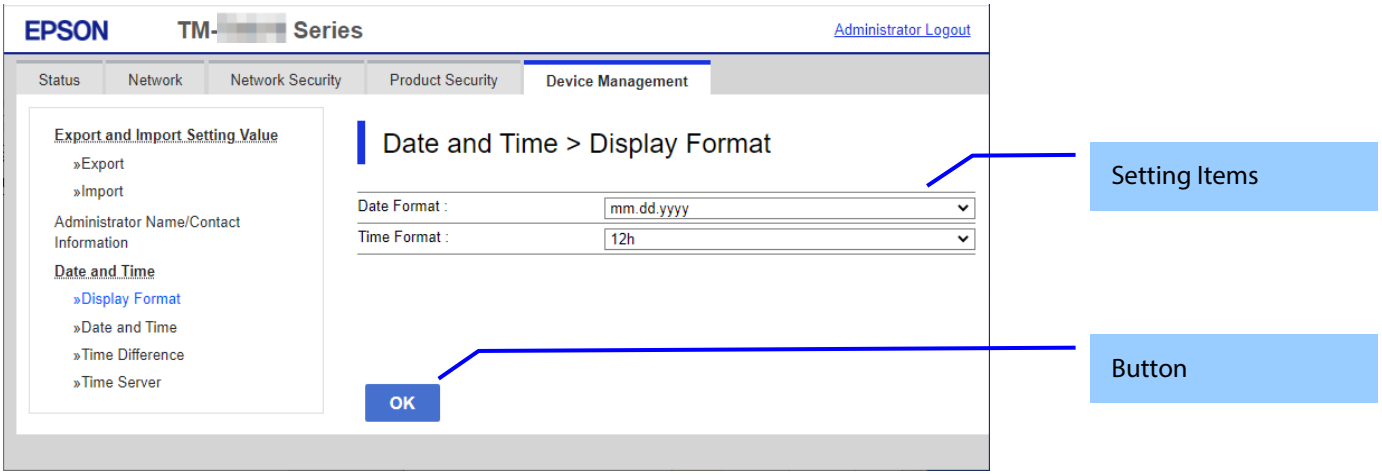


Figure 10-65 Display Format Settings

10.5.3.1.1.2 Setting Items

Table 10-202 Items in the Display format Settings

Items	Description
“Date Format”	Use the drop-down list to change the display format for date. “yyyy.mm.dd” “mm.dd.yyyy” “dd.mm.yyyy”
“Time Format”	Use the drop-down list to select one of the following. “12h” / “24h”

10.5.3.1.1.3 Button

The following table shows the button on the page.

Table 10-203 Button

Items	Description
“OK”	-Button at the bottom of the main frame to perform settings.

10.5.3.1.2 Result page

The result message is shown in the main frame after the "OK" button is pressed.

10.5.3.1.2.1 Image

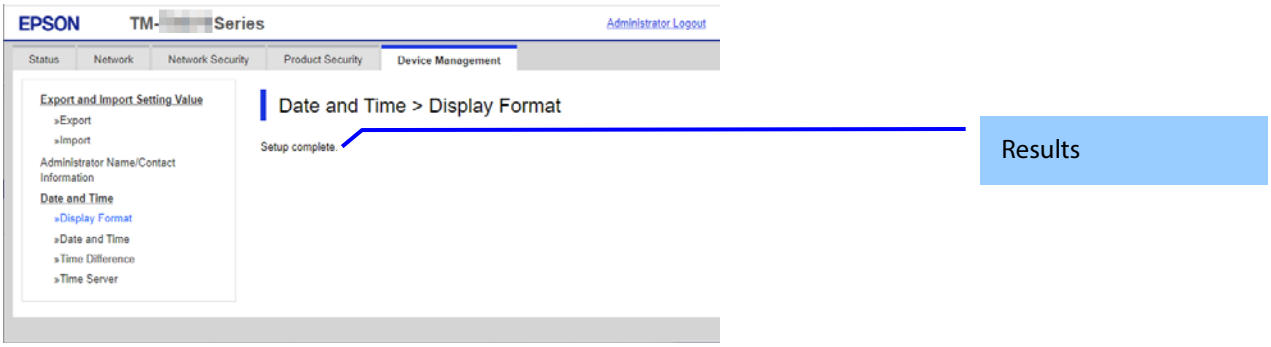


Figure 10-66 Result page

10.5.3.1.2.2 Result

Table 10-204 Results

Items	Description
"Setup complete"	This message is shown when the settings are completed.
"Setup failed"	This message is shown if the settings fail.

10.5.3.2 Date and Time

10.5.3.2.1 Top page

10.5.3.2.1.1 Image

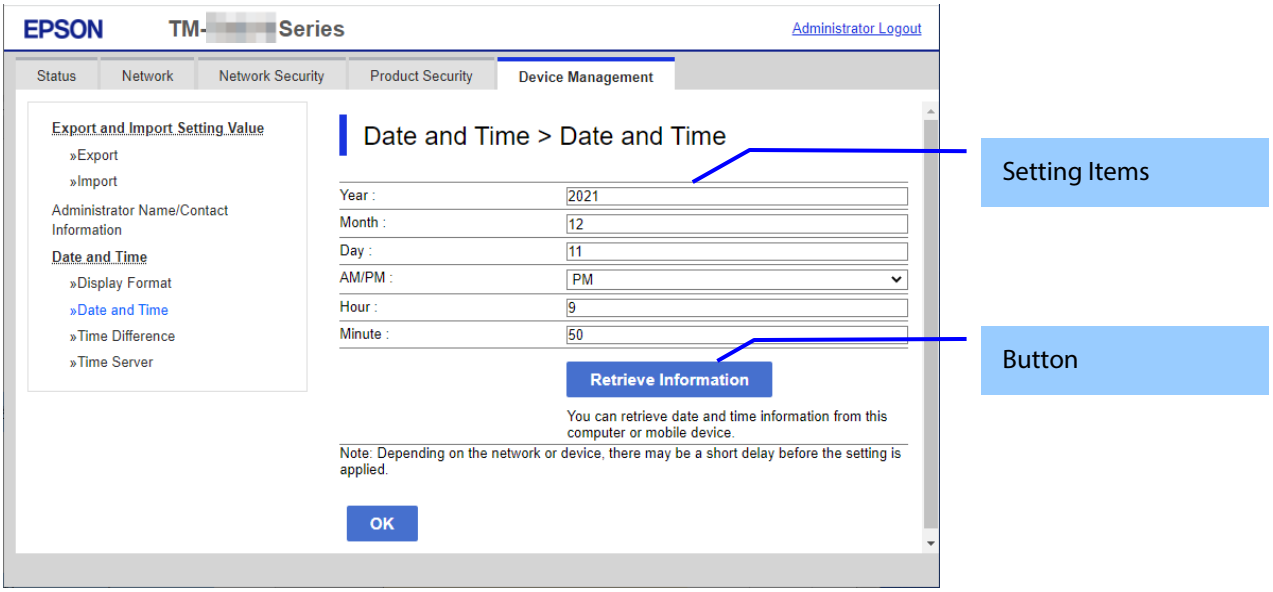


Figure 10-67 Date and Time settings

10.5.3.2.1.2 Setting Items

The following table shows the items on the page.

Table 10-205 Setting Items

Items	Description	Condition
“Year”	Text box for entering a year. Four digits. (20XX-2099). XX: Indicates the product's launch year.	-
“Month”	Text box for entering the month(1-12)	-
“Day”	Text box for entering the date (1-31)	-
“AM/PM”	Use the drop-down list to select one of the following. “AM” / “PM”	Can be use this settings if the "Time Format" setting is "24h".
“Hour”	Text box for entering time in hours If the time fomat is 24h: (0-23) If the time fomat is 12h: (0-11)	-
“Minute”	Text box for entering minutes.(0-59)	-
“You can retrieve date and time information from this computer or mobile device.”	Description of “Retrieve Information” button.	
“Note: Depending on the network or device, there may be a short delay before the setting is applied.”	Fixed message	-

10.5.3.2.1.3 Button

The following table shows the buttons on the page.

Table 10-206 Button

Items	Description
“Retrieve Information”	You can retrieve date and time information from this computer or mobile device.
“OK”	-Button at the bottom of the main frame to perform settings.

When the “OK” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-207 Error Popup

Items	Description
“Invalid value below.” “-Year”“-Month”“-Day”“-Hour”“-Minute”	Shows a warning when a value is entered incorrectly. If “-Year” or “-Month” is not entered, “-Day” is not verified.

10.5.3.2.2 Result page

The following result is shown in the main frame after the "OK" button is pressed.

10.5.3.2.2.1 Image

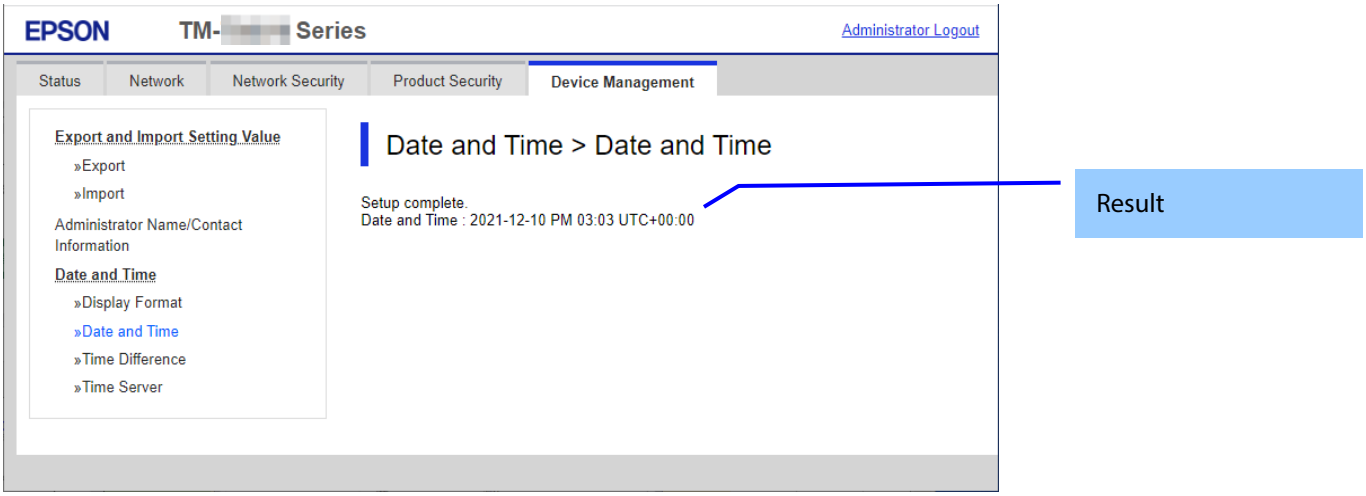


Figure 10-68 Result page

10.5.3.2.2.2 Result

Result is below.

Table 10-208 Result

Items	Description	Condition
"Setup complete"	This message is shown when the settings are completed.	-
"Setup failed"	This message is shown if the settings fail.	-
"Date and Time"	The current date and time are displayed in the specified format.	When successful

10.5.3.3 Time Difference

10.5.3.3.1 Top page

10.5.3.3.1.1 Image

The following figure shows the layout of this settings area.

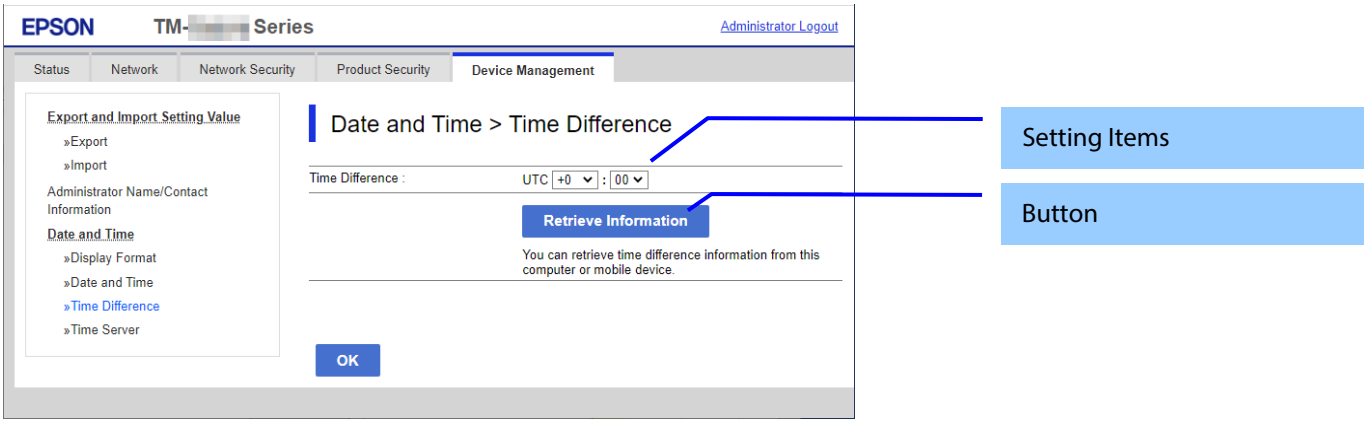


Figure 10-69 Time Difference

10.5.3.3.1.2 Setting Items

The following table shows the items on the page.

Table 10-209 Setting Items

Items	Description
"Daylight Saving Time"	Use the radio buttons to change summer time setting. <EAI>"Winter" / "Summer" <Euro> "OFF" / "ON"
"Time Difference"	Use the drop-down list to set the time difference. HH indicates the hour, and can be configured from -12 to +13. You can also select "+0" and "-0". MM indicates minutes, which can be set to 00, 15, 30 or 45. "0:00" is displayed as "+0:00".
"You can retrieve time difference information from this computer or mobile device."	Description of "Retrieve Information" button.

10.5.3.3.1.3 Button

The following table shows the buttons on the page.

Table 10-210 Button

Items	Description
"Retrieve Information"	You can retrieve time difference information from this computer or mobile device.
"OK"	-Button at the bottom of the main frame to perform settings.

10.5.3.3.2 Result page

The result message is shown in the main frame after the "OK" button is pressed.

10.5.3.3.2.1 Image

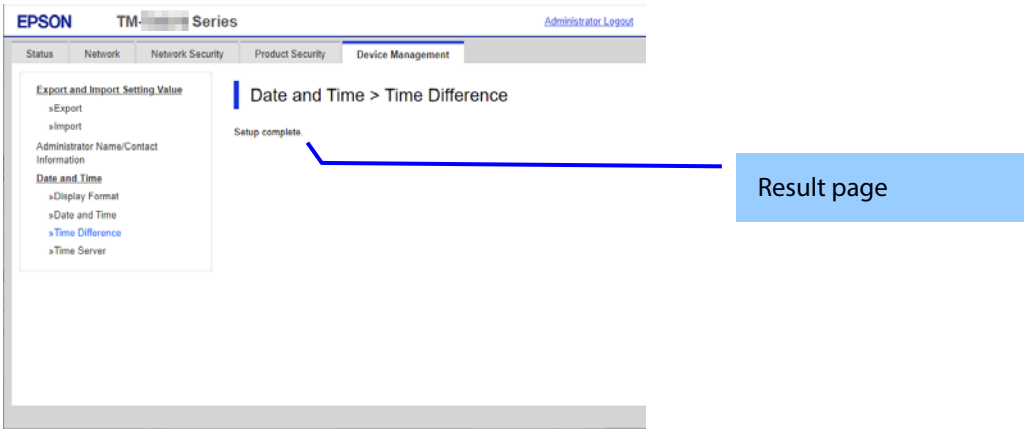


Figure 10-70 Result page

10.5.3.3.2.2 Result page

Table 10-211 Result page

Items	Description
"Setup complete"	This message is shown when the settings are completed.
"Setup failed"	-This message is shown if the settings fail.

10.5.3.4 Time Server

10.5.3.4.1 Top page

10.5.3.4.1.1 Image

The following figure shows the layout of this settings area.

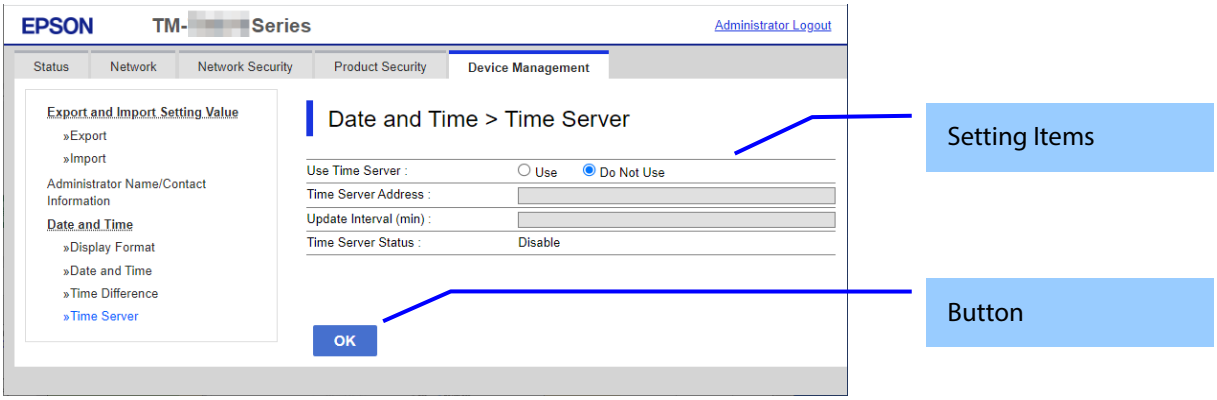


Figure 10-71 Time Server settings

10.5.3.4.1.2 Setting Items

The following table shows the items on the page.

Table 10-212 Time Sever Settings

Items	Description	Condition
"Use Time Server"	You can choose whether to use a time server. "Use" / "Do Not Use"	-
"Time Server Address"	Enter an NTP server address by IP address or FQDN.	Enabled if "Use" is chosen in "Use Time Server"
"Update Interval (min)"	Set the interval for updating the time on the printer.	Enabled if "Use" is chosen in "Use Time Server"
"Time Server Status"	Shows the latest connection status between the printer and the server. "Completed synchronizing" / "Synchronizing" /"Failed to synchronize" /"Disable"	Enabled if "Use" is chosen in "Use Time Server"

10.5.3.4.1.3 Button

The following table shows the buttons on the page.

Table 10-213 Button

Items	Description
"OK"	- Button at the bottom of the main frame for configuring settings.

When the "OK" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 10-214 Error Popup

Items	Description
"Invalid value below." "-Time Server Address" "-Update Interval(min)"	Shows a warning when a value is entered incorrectly.

10.5.3.4.1 Progress page

The progress page indicating a sandglass is shown in the beginning when the Start button is pressed.
On the progress page, the Web Config checks to see if the Refresh button is pressed and if the setup is completed periodically and makes transition to the Results page if the setup is completed or remains the current page if the setup has not been completed.

10.5.3.4.1.1 Image

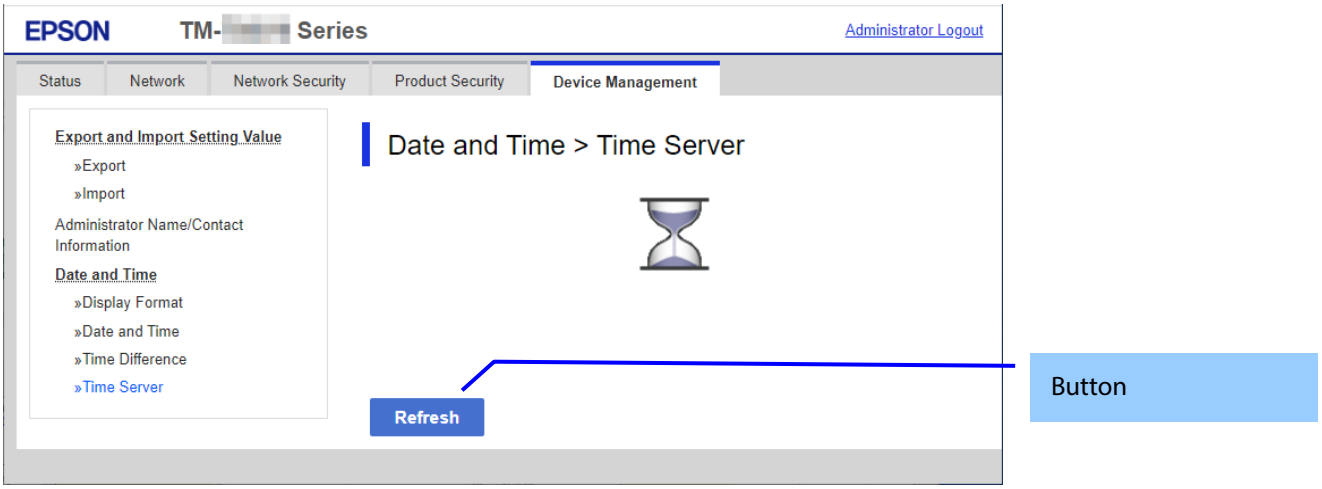


Figure 10-72 Progress page

10.5.3.4.1.2 Button

Table 10-215 Button

Items	Description
“Refresh”	The button on bottom of the main frame to refresh the page.

10.5.3.4.2 Result page

As soon as the result is determined, the following result message is shown in the main frame.

10.5.3.4.2.1 Image

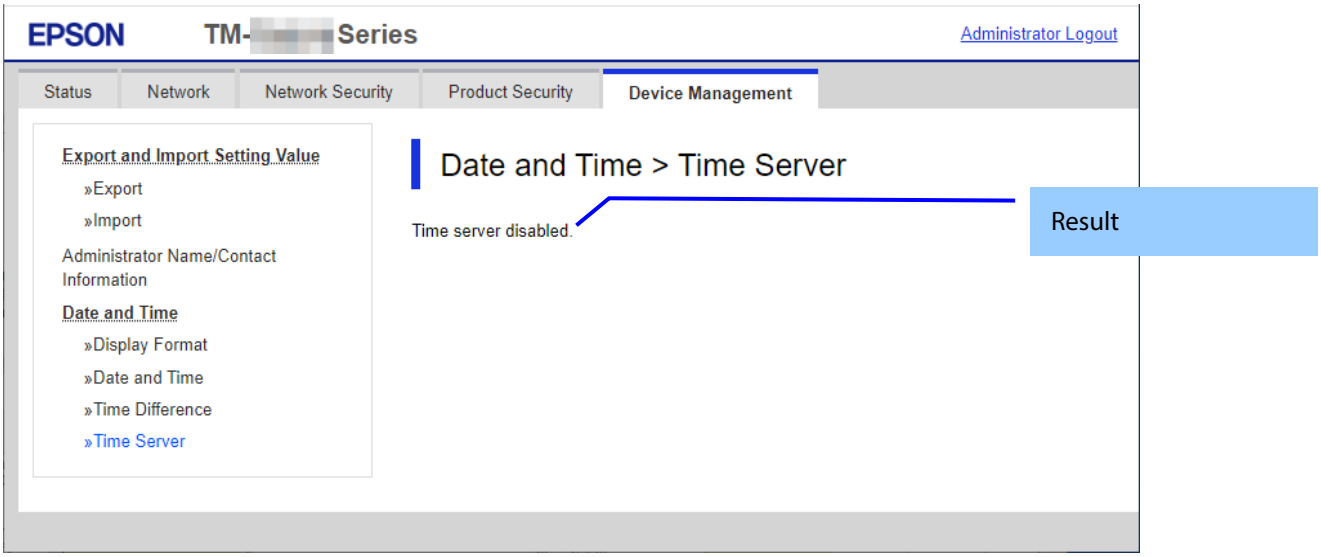


Figure 10-73 Result page

10.5.3.4.2.2 Setting Result

The result is shown below.

Table 10-216 Result

Items	Description	Condition
“Setup complete”	This message is shown when the settings are completed.	-
“Connection failed” “Check the settings”	This message is shown if the connection fails.	-
“Time server disabled”	This This message is shown if you disable the server.	-
“Cannot access the product until processing is complete.”	This message is shown if the settings cannot be configured because the device is busy.	-
“Date and Time”	Shows the current date and time in the stipulated display format	If succeed

10.6 Cloud Services

May not appear, depending on the version of the product firmware.

10.6.1 Basic

10.6.1.1 Top Page

10.6.1.1.1 Image

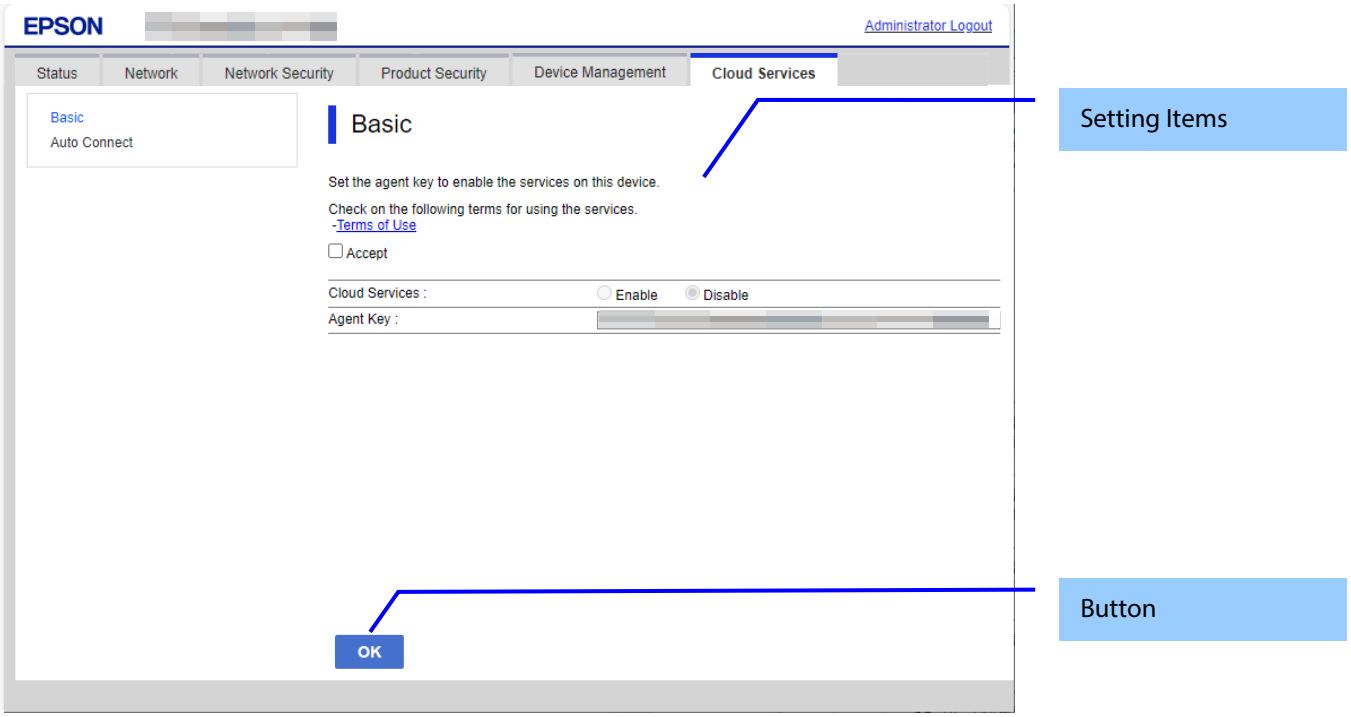


Figure 10-74 Image

10.6.1.1.2 Setting Items

Table 10-217 Setting Items

Items	Description	Condition
"Check on the following terms for using the services."	Fixed String	-
"Cloud Services"	Displays whether it is possible to connect toCloud Services. "Enable" / "Disable"	-
"Terms of Use"	If you click "Terms of Use", the Web Config accesses the following link in another window. *https://pos-cloud-link.epson.com/documents/license.html*	-
"Accept"	Check box. When this item is checked then "OK" button is enabled.	-

10.6.1.1.3 Button

The following table shows the button on the page.

Table 10-218 Button

Items	Description
"OK"	The button on bottom of the main frame to perform setting.

10.6.1.2 Result Page

The result message is shown on the main frame after "OK" button is pressed.

10.6.1.2.1 Image

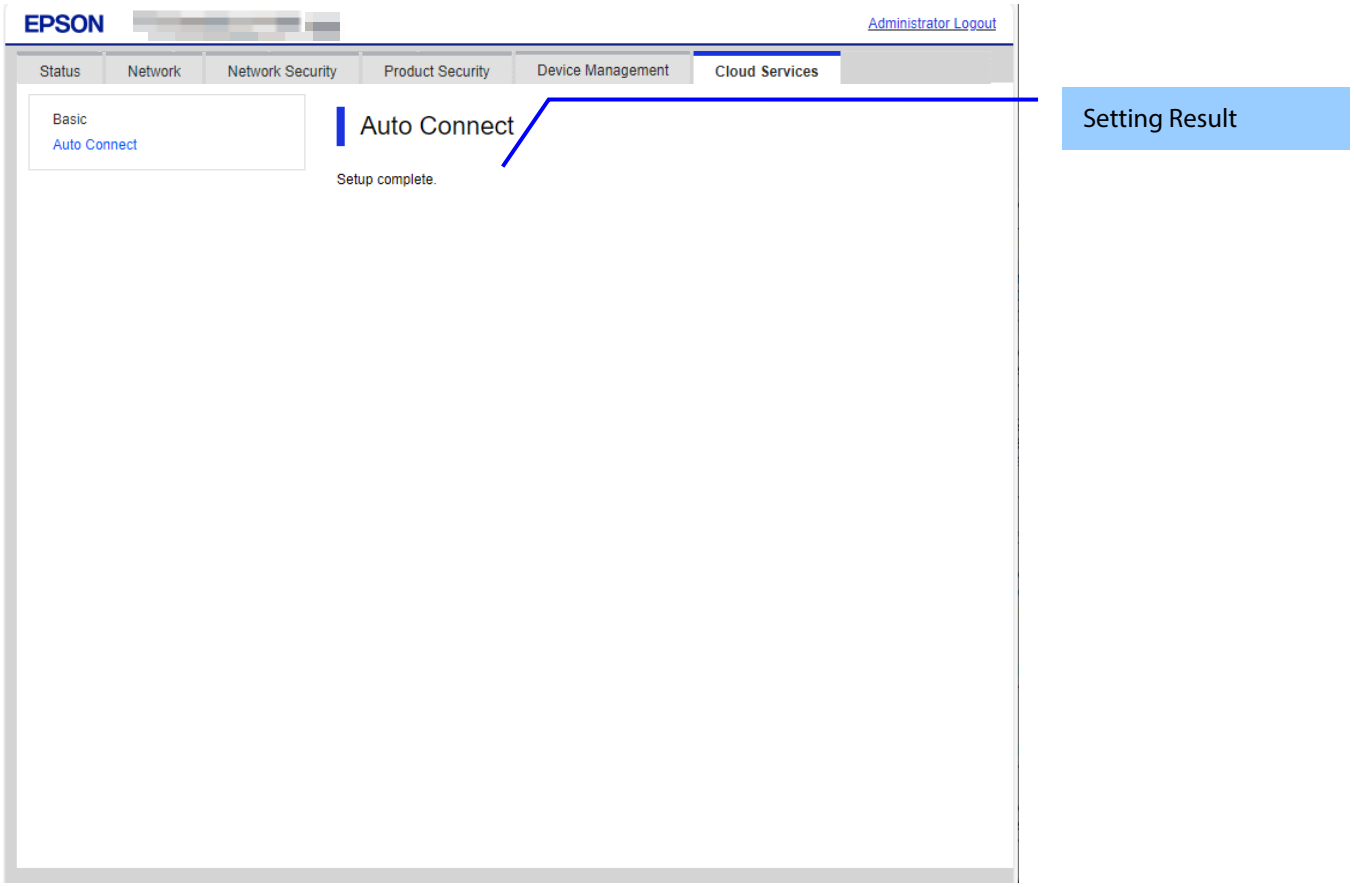


Figure 10-75 Image

10.6.1.2.2 Setting Result

Table 10-219 Setting Result

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown when the setup is failed.

10.6.2 Auto Connection

10.6.2.1 Top Page

10.6.2.1.1 Image

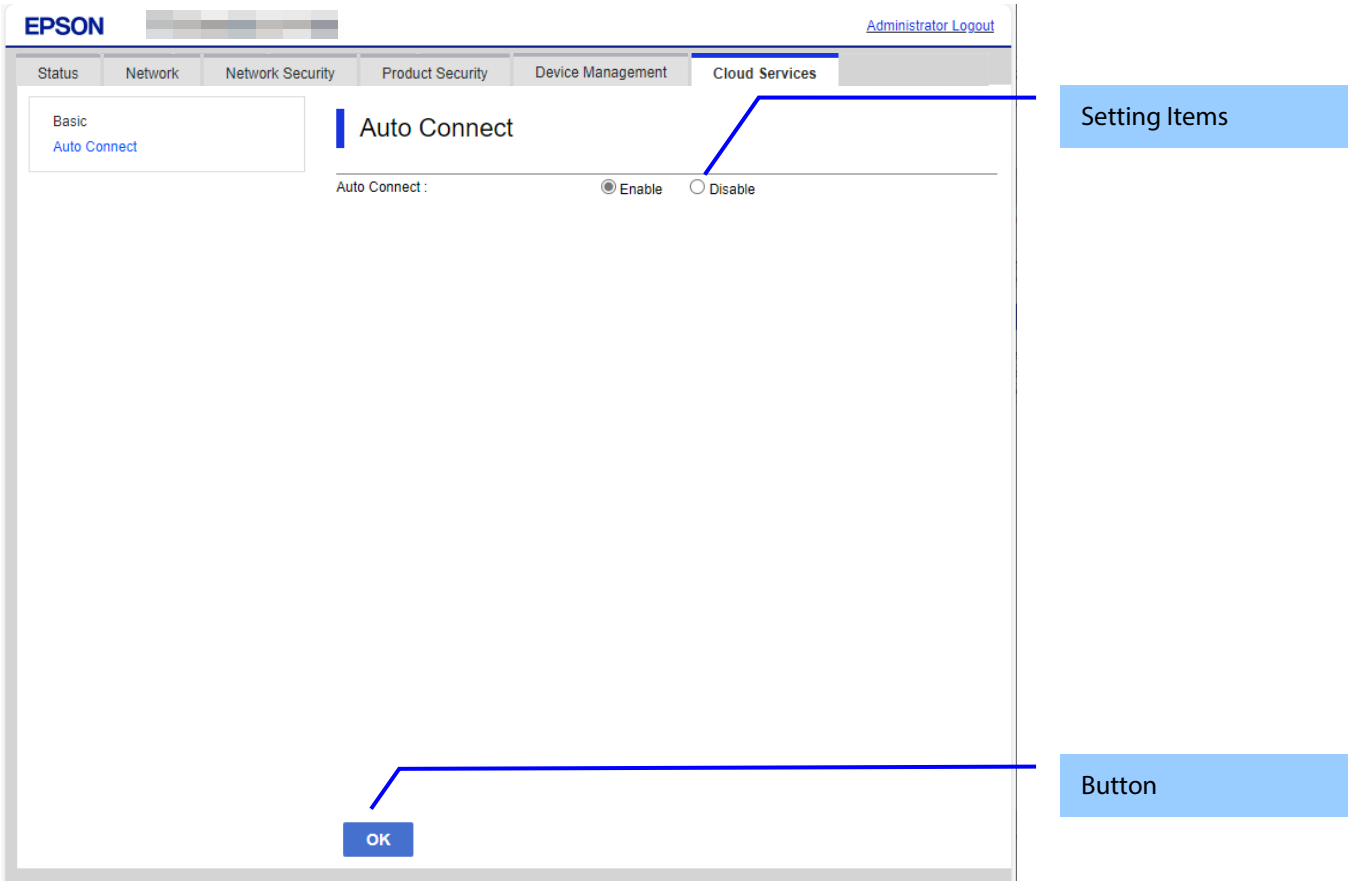


Figure 10-76 Image

10.6.2.1.2 Setting Items

Table 10-220 Setting Items

Items	Description	Condition
"Auto Connect"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable" The default setting is "Enable". If you select "Disable", cloud service auto connection will be disabled.	-

10.6.2.1.3 Button

The following table shows the button on the page.

Table 10-221 Button

Items	Description
"OK"	Button on bottom of the main frame used to perform setting.

10.6.2.2 Result Page

The result message is shown on the main frame after "OK" button is pressed.

10.6.2.2.1 Image

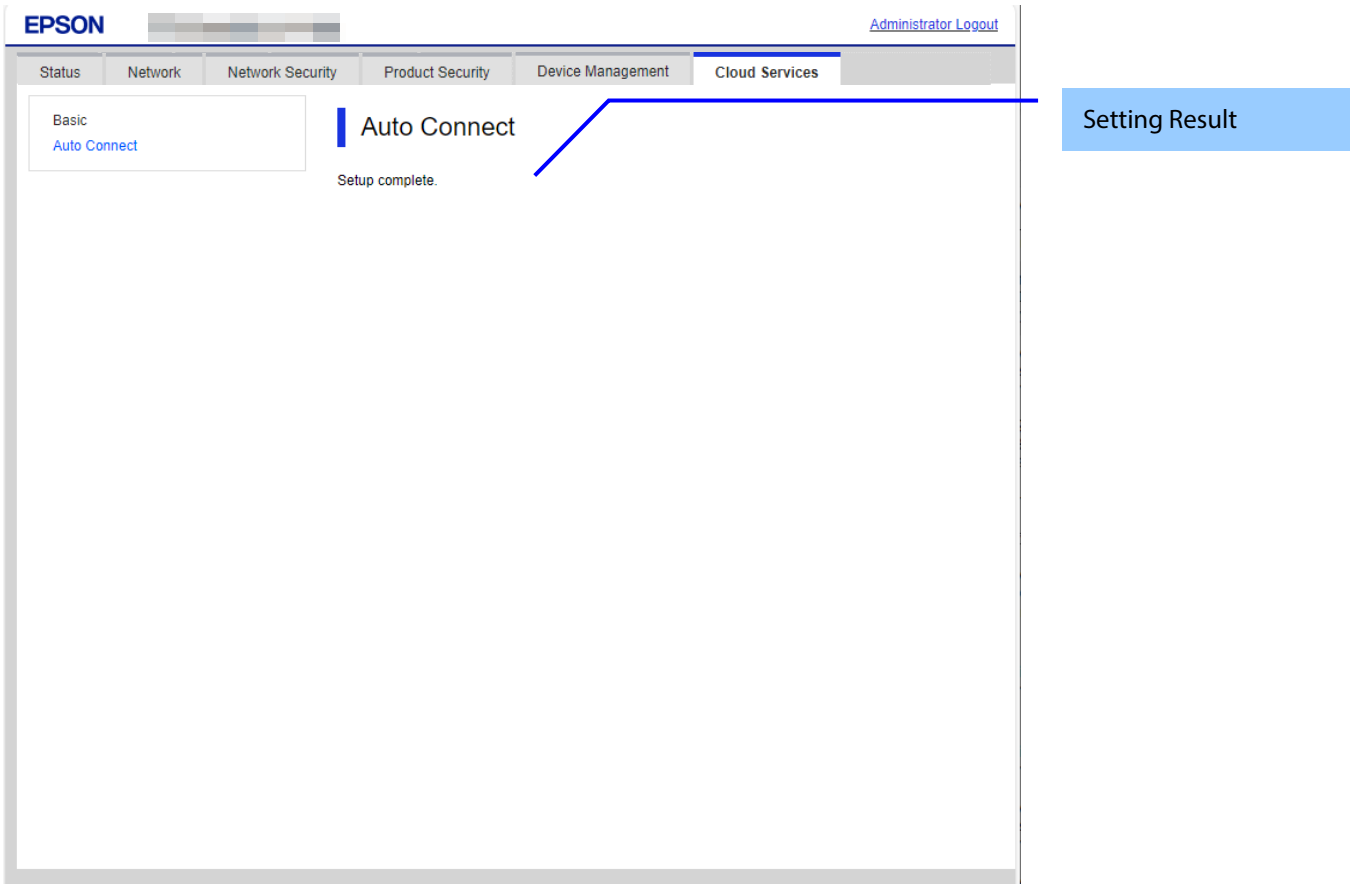


Figure 10-77 Image

10.6.2.2.2 Setting Result

Table 10-222 Setting Result

Items	Description
"Setup complete."	This message is shown when setup is completed.
"Setup failed."	This message is shown when setup has failed.