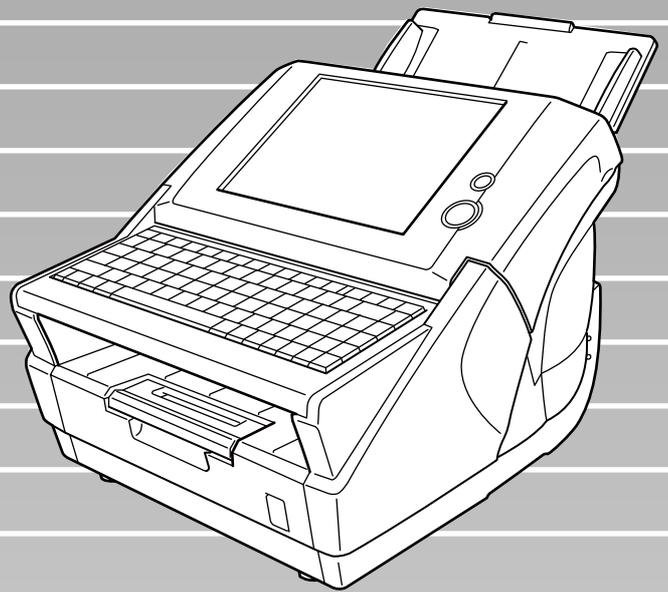


P3PC-1852-01ENZ0

Network Scanner
fi-6000NS
Operator's Guide



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Introduction

Thank you for purchasing the Network Scanner fi-6000NS.

This easy-to-use image scanner is designed to be connected to a computer network system and is primarily for office use.

- Copying of the contents of this manual in whole or in part and copying of the scanner application is forbidden under the copyright law.
- The contents of this manual are subject to change without notice.
- PFU LIMITED. is not liable whatsoever for any damages resulting from use of this scanner and procedures described in this manual, profit due to defects, and any claims by a third party.

■Regulatory Information

FCC Declaration

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is located.
- Consult your dealer or an experienced radio/TV technician.

FCC warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE

The use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC rules. The length of the AC cable must be 2 meters (6.6 feet) or less.

Canadian DOC Regulations

This digital apparatus does not exceed the Class B limit for radio noise emissions from digital apparatus set out in the Radio interference Regulations of the Canadian Department of Communications.

This Class B digital apparatus complies with Canadian ICES-003.

Le présent appareil numérique n'émet pas de parasites radioélectriques dépassant les limites applicables aux appareils numériques de la classe B et prescrites dans le Règlement sur le brouillage radioélectrique dictées par le Ministère des Communications du Canada.

Cet appareil numérique de la classe B est conforme la norme NMB-003 du Canada.

Bescheinigung des Herstellers / Importeurs

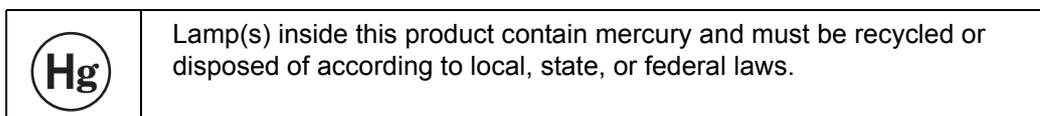
Für den fi-6000NS wird folgendes bescheinigt:

- In Übereinstimmung mit den Bestimmungen der EN45014(CE) funkentstört
- Maschinenlärminformationsverordnung 3.GPSGV: Der höchste Schalldruckpegel beträgt 70 dB (A) oder weniger, gemäß EN ISO 7779.

Use in High-safety Applications

This product has been designed and manufactured on the assumption that it will be used in office, personal, domestic, regular industrial, and general-purpose applications. It has not been designed and manufactured for use in applications (simply called "high-safety applications" from here on) that directly involve danger to life and health when a high degree of safety is required, for example, in the control of nuclear reactions at nuclear power facilities, automatic flight control of aircraft, air traffic control, operation control in mass-transport systems, medical equipment for sustaining life, and missile firing control in weapons systems, and when provisionally the safety in question is not ensured. The user should use this product with adopting measures for ensuring safety in such high-safety applications. PFU LIMITED assumes no liability whatsoever for damages arising from use of this product by the user in high-safety applications, and for any claims or compensation for damages by the user or a third party.

About the Use of Mercury



To avoid unexpected injury, read the following carefully.

Doing the following actions may result in serious personal injuries:

- Do not lick or consume the substance contained in the lamp.
- Do not incinerate, crush, or shred the lamps or scanner parts.
- Do not breathe the chemical liquid contained in the scanner lamps.

LCD Peculiarities

- The LCD backlight is a fluorescent tube that contains some mercury.
- Be aware that neither of the following is considered a fault.
 - Despite the fact that the latest advanced technology has been used to produce the scanner's TFT color LCD's, the large number of pixels involved means that an occasional (always-on) bright dot or (always-off) dark dot may be visible.
 - The characteristics of the LCD mean that there may be some variation in hue and intensity of colors across the screen.

Replacing Batteries

This product has a battery (CMOS RAM battery) on board to retain data such as

- Warning
 - Do not replace the battery yourself, as there is a risk of explosion if the wrong type is used. Please contact your maintenance engineer in charge when the battery runs low.
 - Do not touch the battery. Never install or remove the battery by yourself. Doing so may cause electric shock or static electricity which can damage the device.

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References to operating systems (OS) and applications are indicated as follows:

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Adobe Acrobat	Adobe® Acrobat®

Where there is no distinction between the different versions of the above operating system, the general term "Windows" is used.

Where there is no distinction between the different versions of the above application, the general term "Adobe Acrobat" is used.

The version of Adobe Acrobat provided with this product may change without notice. If the instructions described in this manual differ from the actual displayed screen, refer to Acrobat's Help.

Manufacturer

PFU LIMITED

International Sales Dept., Imaging Business Division, Products Group
Solid Square East Tower, 580 Horikawa-cho, Saiwai-ku, Kawasaki-shi Kanagawa 212-8563, Japan
Phone : (81-44) 540-4538

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BEFORE USING THIS PRODUCT, PLEASE READ THIS MANUAL CAREFULLY. IF THIS PRODUCT IS NOT USED CORRECTLY, UNEXPECTED INJURY CAN OCCUR TO USERS OR BYSTANDERS.

Keep this manual in a safe place so that it can be easily referred to during use of this product.

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Warning Indications Used in This Manual



This indication alerts operators to an operation that, if not strictly observed, may result in severe injury or death.



This indication alerts operators to an operation that, if not strictly observed, may result in safety hazards to personnel or damage to equipment.

Symbols Used in This Manual

This manual uses the following symbols in the explanations in addition to the warning indications.



This symbol alerts operators to particularly important information. Be sure to read this information.



This symbol alerts operators to helpful advice regarding operation.



A TRIANGLE symbol indicates that special care and attention is required. The drawing inside the triangle shows the specific caution.



A CIRCLE with a diagonal line inside shows action which users may not perform. The drawing inside or under the circle shows the specific action that is not allowed.



Outline characters on a colored background show instructions users should follow. It may also include the drawing that shows the specific instruction.



This symbol is used to indicate information about administrator operations. In Chapter 3, operations that can be performed by either or both of the administrator login modes one indicated by the following symbols:



: Administrator operating via the touch panel.



: Administrator operating via the web interface.



This symbol is used to indicate information about regular user operations.

Screen Examples in This Manual

The screen examples in this manual are subject to change without notice in the interest of product improvement. If the actual displayed screen differs from the screen examples in this manual, operate by following the actual displayed screen while referring to the User's Manual of the scanner application you are using.

The screen examples in this manual are created according to Microsoft Corporation guidelines.

Warning Label



High Temperature

The glass scanner windows surface inside the ADF becomes hot when the scanner is used. Be careful not to touch the surface of the glass scanner windows.



Do NOT remove from the scanner, stain or scratch the warning labels.



About Maintenance

The user must not perform repairs on this scanner.

Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for repairs to this product.

■ Safety Precautions

This manual describes important details for ensuring the safe and correct use of this product. Thoroughly read this manual before you start to use this product. In particular, be sure to read and fully understand the Safety Precautions described in this manual before you use this product. Also, store this manual in a safe place so that it can be easily referred to during use of this product.



Do not damage the AC cable.



A damaged AC cable may cause fire or electric shock. Do not place heavy objects on AC cables, or pull, bend, twist, heat, damage or modify AC cables. Do not use damaged AC cables or power plugs, or install any cables or power plugs to loose wall sockets.

Use only specified AC cables and connector cables.



Use only specified AC cables and connector cables. Failure to use the correct cables might cause electric shock and/or equipment failure. Please do not use the AC cable provided with this scanner for other devices, since this might cause equipment failure and other troubles or an electric shock.

Use this scanner only at the indicated power voltage. Do not connect to multiple-power strips.



Use this scanner only at the indicated power voltage and current. Improper power voltage and current might cause fire or electric shock. Do not connect to multiple-power strips.

Do not touch the AC cable with wet hands.



Do not touch the power plug with wet hands. Doing so can cause electric shock.

Wipe any dust from the power plug.



Wipe off any dust from metal parts on the power plug or metal fittings with a soft, dry cloth. Accumulated dust can cause fire or electric shock.

Do not install the device in locations that has oil smoke, steam, humidity, and dust.



Do not install the scanner in locations subject to oil smoke, steam, humidity, and dust. Doing so might cause a fire or electric shock.

Turn the scanner OFF if it is damaged.



If the scanner is damaged for any reason, turn the scanner off and unplug the power cable. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Do not use the scanner if there is a strange odor.



If you detect heat coming from the device or detect other problems such as smoke, strange smells or noises, immediately turn off the scanner and disconnect its power plug. Make sure that any smoke coming from it has stopped, before contacting your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Do not put liquids inside the scanner.



Do not insert or drop metal objects in to the scanner. Do not scan wet documents or documents with paper clips or staples. Do not splash or allow the scanner to get wet.



If foreign objects (water, small metal objects, liquids, etc.) get inside the scanner, immediately turn off the scanner and disconnect the power plug from the power outlet. Then, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider. Pay particular attention to this warning in households where there are small children.



Do not touch the inside of the scanner unless necessary.



Do not take apart or modify the scanner. The inside of the scanner contains high-voltage components. Touching these components might cause electric shock or fire.



Do not install the scanner on unstable surfaces.



Make sure that the scanner is installed on a flat, level surface and that none of its parts extend beyond the surface top, such as a desk or table. Do not install the scanner on unstable surfaces. Install the scanner on a level surface that is free of vibration to prevent it from falling.



Install the scanner on a strong surface that will support the weight of the scanner and other devices.

Firmly insert the power plug.



Firmly insert the power plug as far it can go into the power outlet.

Do not block the ventilation ports.



Do not block the ventilation ports. Blocking the ventilation ports generates heat inside of scanner, which may result in fire or scanner failure.

Do not place heavy objects or stand on top of the scanner.



Do not place heavy objects on the scanner or use the scanner's surface top to perform other work. Improper installation might cause injuries and equipment failure.

Do not use the scanner immediately after moving it from a cold place into a warm room.



Do not use the device immediately after moving it from a cold place into a warm room. Condensation may occur, which might lead to scanning errors. Let the device dry about one or two hours before you use it.

Before moving the scanner, disconnect the power plug from the power outlet.



Do not move the scanner with the power and interface cables connected as this can damage the cables, which can later cause fire, electric shock as well as injury. Before moving the scanner, be sure to disconnect the power plug from the power outlet, and all other data cables. Make sure that the floor is free of any obstructions.

Protect the scanner from static electricity.



Install the scanner away from strong magnetic fields and other sources of electronic noise. Also, protect the scanner against any static electricity, which can cause the scanner to malfunction.

Do not use aerosol sprays near the scanner.



Do not use aerosol sprays to clean the scanner. Aerosol sprays can blow dirt and dust inside the scanner, resulting in scanner failure or malfunction.

Avoid any contact when scanner is in use.



Avoid touching any scanner mechanism during scanning since this may cause injuries.

Disconnect the power plug from the power outlet when the scanner is not used for a long period of time.



When the scanner is not going to be used for a long period of time, be sure to disconnect the power plug from the power outlet.

Do not install the scanner in direct sunlight.



Do not install the scanner under direct sunlight or near heating apparatus. Doing so might cause excessive heat to build up inside the scanner, which can cause scanner trouble or even fire. Install the scanner in a well-ventilated location.

Before moving the scanner, make sure the shipping lock is locked.



When moving the scanner, be sure to lock the shipping lock in order to prevent damages to the scanner.

Chapter 1

Scanner Overview

Admin User

1.1 Scanner Features	2
1.2 Part Names and Functions	3
1.3 User Types and Operations	6
1.4 Scanner Quick User Guide	9
1.5 Scanner Requirements	15

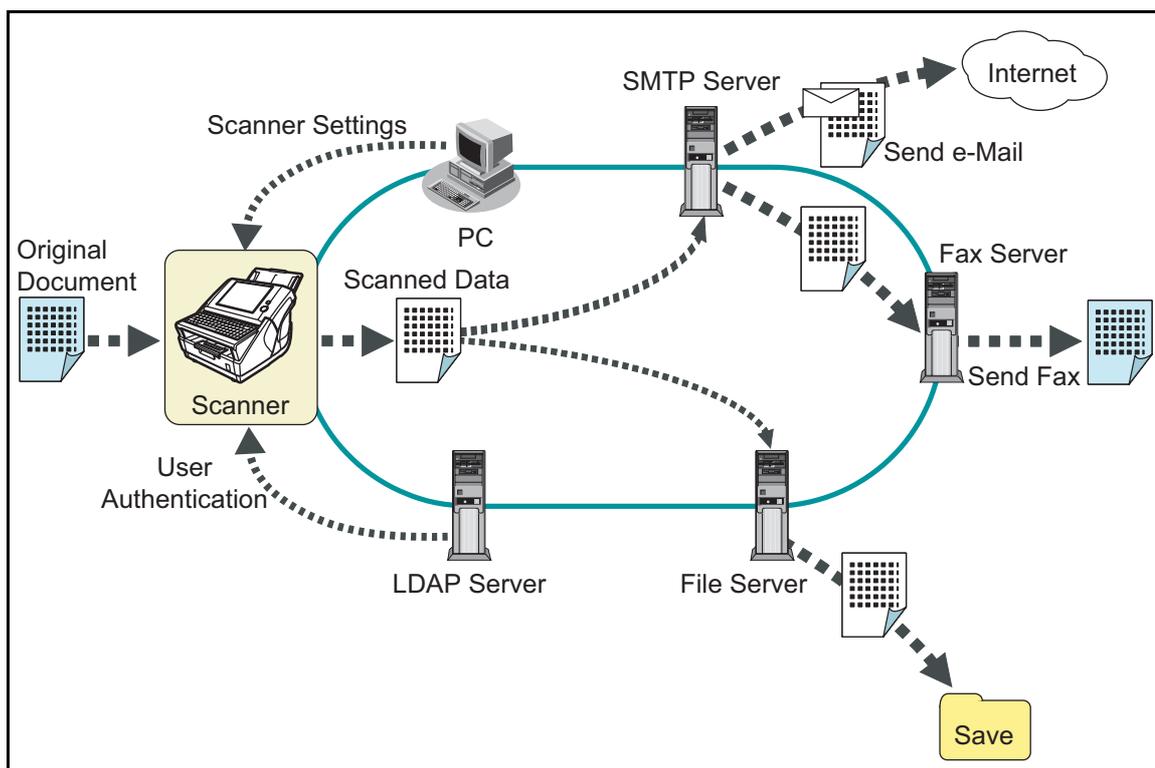
1.1 Scanner Features

This easy-to-operate network scanner is used to scan documents for further use:

- Scanned document files can be sent as an e-mail attachment.
- Scanned document files can be sent by fax.
- Scanned document files can be saved in a network folder.

The scanner has the following security features:

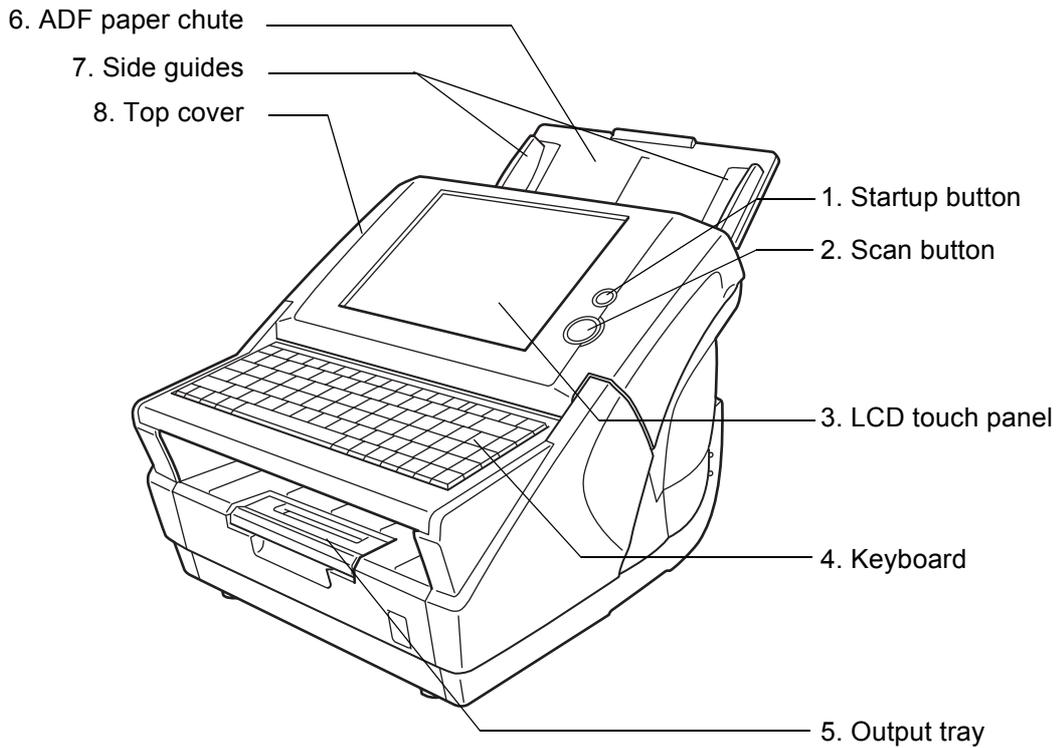
- Login authentication can restrict user access.
- Scans can be converted to password protected PDF files.



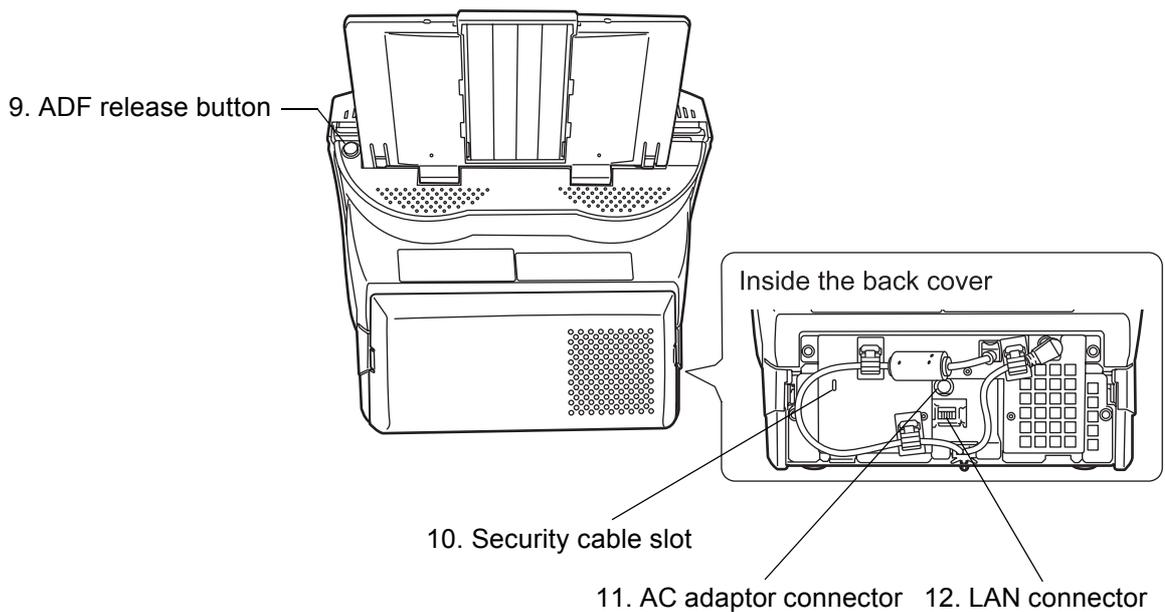
1.2 Part Names and Functions

1.2.1 External Parts

- Front view

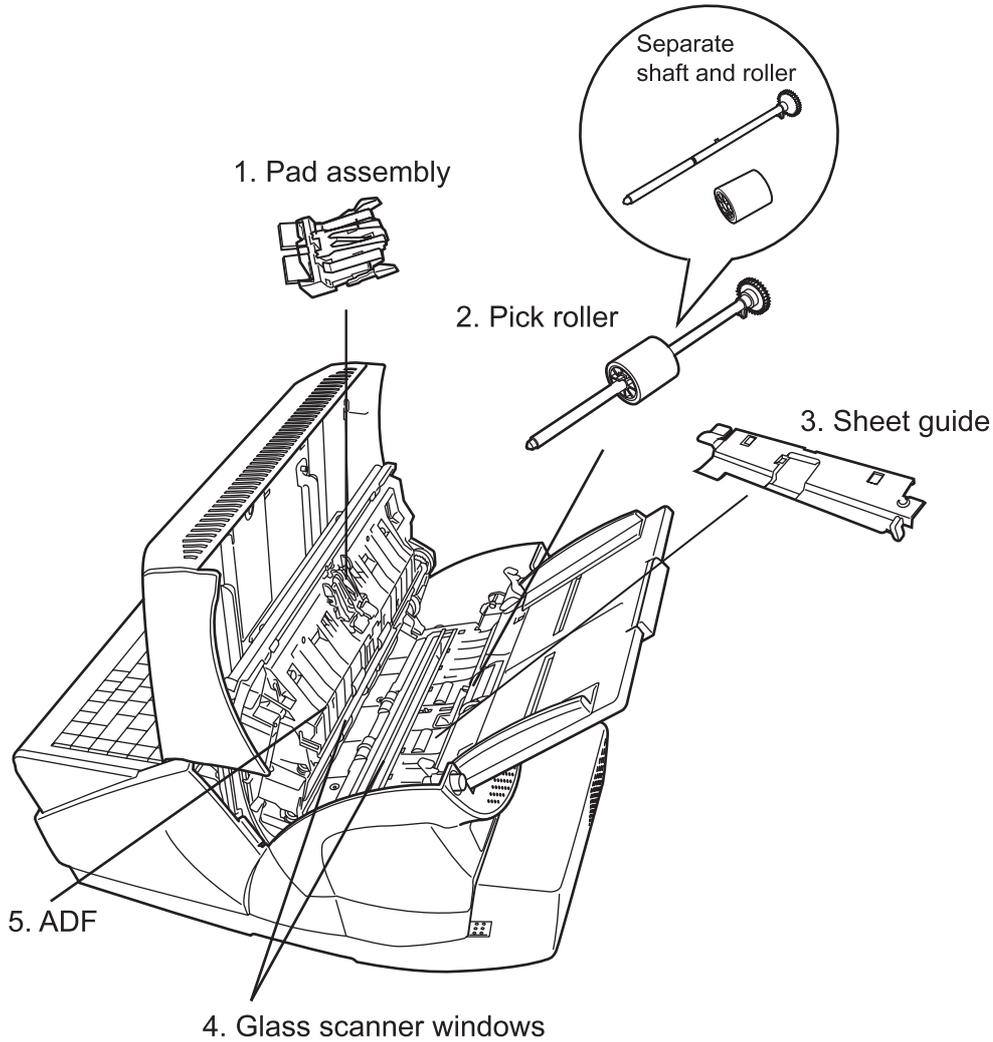


- Rear view



No.	Part name	Function
1	Startup button	Turns on scanner or brings up the "Login" screen from standby mode. For details, refer to "2.1.1 Using the Startup Button" (page 18).
2	Scan button	Starts the scan process. For details, refer to "2.1.2 Using the Scan Button" (page 19).
3	LCD touch panel	Accepts user input and displays the scanner control screens. The LCD touch panel buttons are used to setup scans. For details, refer to "2.2 Using the LCD Touch Panel" (page 20).
4	Keyboard	Used to enter text in the control screen input fields. May also be used instead of the touch panel to operate the control screens. For details, refer to "2.3 Using the Keyboard" (page 21).
5	Output tray	Scanned documents are ejected from the ADF onto this tray. Small documents may be retrieved by flipping up the keyboard after scanning has completed.
6	ADF paper chute	Holds the documents waiting to be scanned (scan side down).
7	Side guides	Adjust to the width of the paper, to prevent skewing of the scanned pages.
8	Top cover	Frames the LCD touch panel, and covers the upper scanner/ADF mechanism. Must be opened to clean inside the scanner, or when replacing consumable parts.
9	ADF release button	Push to unlock the top cover.
10	Security cable slot	Slot for commercially available security cable to prevent against theft. The following security cable is recommended. Type: Right angle Cylindrical part: diameter 25mm (max), length 50mm (max) (includes bent part if a straight cable is used)
11	AC adaptor connector	Connects the scanner to the AC adaptor.
12	LAN connector	Connects the scanner to the network.

1.2.2 Internal Parts



No.	Part name	Function
1	Pad assembly	Help to guide documents from the ADF paper chute to the glass scanner windows.
2	Pick roller	
3	Sheet guide	
4	Glass scanner windows	Place where the documents are scanned.
5	ADF (Automatic Document Feeder)	Drives the documents from the ADF paper chute, past the glass scanner windows, to the output tray.

1.3 User Types and Operations

The scanner functions available after login vary in the following ways for different types of user:

- Administrator
Can setup and manage the scanner. The administrator can operate via the scanner's touch panel or via the web by using a computer web browser.
- Regular User
Can scan documents and then send or save the resulting data.

Top Menu Tab /Side Menu Tab	Used to ...	Admin		Regular User	See ...
		Touch	Web		
System Settings					
Screen Calibration	Calibrate the touch panel	A	—	—	page 34
Scanner Name	Set the scanner name	A	A	—	page 37
Date/Time	Set the date/time	A	A	—	page 44
Region/ Timezone	Set the region/timezone	A	A	—	page 42
Standby Mode	Set the time to standby mode	A	A	—	page 46
Admin Password	Change the admin password	A	A	—	page 49
Multifeed Settings	Set the multifeed detection method	A	A	—	page 50
Scanner Adjustment	Set the offset and magnification settings	A	A	—	page 54

Top Menu Tab /Side Menu Tab	Used to ...	Admin		Regular User	See ...
		Touch	Web		
Network Settings					
IP Address	Set the IP address	A	A	—	page 57
DNS Server	Set the DNS server	A	A	—	page 60
WINS Server	Set the WINS server	A	A	—	page 61
NTP Server	Set the NTP server	A	A	—	page 62
LDAP Server	Set the LDAP server	A	A	—	page 64
SMTP Server	Set the e-mail server (SMTP server)	A	A	—	page 69
Fax Server	Set the fax server	A	A	—	page 71
Network Folder	Set the network folders (file servers)	A	A	—	page 73
Alert Notification	Set the destination for alert notifications	A	A	—	page 84
Ping	Check the network connection with a Ping test	A	A	—	page 86
Network Status	Check the network operating status	A	A	—	page 89
Device Status					
System Status	View the system status	A	A	—	page 91
Usage Status	View the usage status	A	A	—	page 92
Operation Logs					
User Log	Manage user logs	A	A	—	page 96
System Log	Manage the system log	A	A	—	page 102
Maintenance					
User Data Store	Maintain the user data store	—	A	—	page 107
System Settings File	Download the system settings	—	A	—	page 116
System Update	Update the scanner's system software	—	A	—	page 124
Technical Support	Set the information output level	A	A	—	page 127
	Obtain technical support	—	A	—	page 128

Top Menu Tab /Side Menu Tab	Used to ...	Admin		Regular User	See ...	
		Touch	Web			
e-Mail	Send the scanned data by e-mail	—	—	A	page 142	
Fax	Send the scanned data by fax	—	—	A	page 154	
Save	Save the scanned data to a network folder	—	—	A	page 164	
Scan Settings	Set the scan options	—	—	A	page 169	
Scan Viewer	Enable/disable the scan viewer	—	—	A	page 198	
Maintenance						
	Edit e-Mail Addresses	Edit contacts in the e-mail address book	—	—	A	page 150
	Edit Fax Numbers	Edit contacts in the fax number list	—	—	A	page 160
	Roller Cleaning	Clean the ADF	—	—	A	page 211
	ScanTest	Perform a scan test	—	—	A	page 207
Consumable Alert	Indicate when parts need replacing		—	—	A	page 218
User Log	Check user operations		—	—	A	page 205

A: available —: not available

1.4 Scanner Quick User Guide

These sections describe the scanner features such as e-mail, fax, print, and save data, for regular user login.

1.4.1 Sending Scanned Data as an e-Mail Attachment

 The administrator must setup the "Send e-Mail" function for the user to be able to send scanned data as an e-mail attachment. For details about the required settings, refer to "3.1 Required Scanner Function Settings" (page 24).

Loading Documents

For details, refer to "4.1 Loading Documents" (page 132).



**Logging in:
Regular User
Mode**

For details, refer to "4.3 Logging in: Regular User Mode" (page 139).



**On the "Main Menu" screen,
press**



For details, refer to "4.4 Sending the Scanned Data by e-Mail" (page 142).



Setting the Scan Options



Enabling/Disabling the Scan Viewer



On the "Send e-Mail" screen, enter the mail destination



On the "Send e-Mail" screen, press 



On the "Scan Viewer" screen, check the scanned data



Document is Scanned and e-Mailed

Adjust the scan settings as necessary.
For details, refer to "4.7 Setting the Scan Options" (page 169).

Edit the scanned data as necessary.
For details, refer to "4.8 Enabling/Disabling the Scan Viewer" (page 198).

For details, refer to "4.4 Sending the Scanned Data by e-Mail" (page 142).

For details, refer to "4.4 Sending the Scanned Data by e-Mail" (page 142).

For details, refer to "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).

To check if the e-mail has been sent successfully, refer to "4.10 Checking the User Log" (page 205).

1.4.2 Sending Scanned Data by Fax



The administrator must setup the "Send Fax" function for the user to be able to send scanned data by fax. For details about the required settings, refer to "3.1 Required Scanner Function Settings" (page 24).

Loading Documents

For details, refer to "4.1 Loading Documents" (page 132).



**Logging in:
Regular User
Mode**

For details, refer to "4.3 Logging in: Regular User Mode" (page 139).



**On the "Main Menu" screen,
press**



For details, refer to "4.5 Sending the Scanned Data by Fax" (page 154).



Setting the Scan Options

Adjust the scan settings as necessary. For details, refer to "4.7 Setting the Scan Options" (page 169).



Enabling/Disabling the Scan Viewer



On the "Send Fax" screen, enter the fax destination



On the "Send Fax" screen, press



On the "Scan Viewer" screen, check the scanned data



Document is Scanned and Faxed

Edit the scanned data as necessary.
For details, refer to "4.8 Enabling/Disabling the Scan Viewer" (page 198).

For details, refer to "4.5 Sending the Scanned Data by Fax" (page 154).

For details, refer to "4.5 Sending the Scanned Data by Fax" (page 154).

For details, refer to "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).

To check if the fax has been sent successfully, refer to "4.10 Checking the User Log" (page 205).

1.4.3 Saving Scanned Data in a Network Folder



The administrator must setup the "Save" function for the user to be able to save data in a network folder.
For details about the required settings, refer to "3.1 Required Scanner Function Settings" (page 24).

Loading Documents

For details, refer to "4.1 Loading Documents" (page 132).

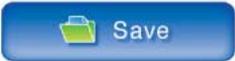


**Logging in:
Regular User
Mode**

For details, refer to "4.3 Logging in: Regular User Mode" (page 139).



**On the "Main Menu" screen,
press**



For details, refer to "4.6 Saving the Scanned Data to a Network Folder" (page 164).



Setting the Scan Options

Adjust the scan settings as necessary.
For details, refer to "4.7 Setting the Scan Options" (page 169).



Enabling/Disabling the Scan Viewer



On the "Save As" screen, select a folder



On the "Save as" screen, press



On the "Scan Viewer" screen, check the scanned data



Document is Scanned and Saved

Edit the scanned data as necessary.
For details, refer to "4.8 Enabling/Disabling the Scan Viewer" (page 198).

For details, refer to "4.6 Saving the Scanned Data to a Network Folder" (page 164).

For details, refer to "4.6 Saving the Scanned Data to a Network Folder" (page 164).

For details, refer to "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).

To check if the document has been saved successfully, refer to "4.10 Checking the User Log" (page 205).

1.5 Scanner Requirements

1.5.1 Administrator Requirements for Login via the Web Interface

For scanner administration carried out via the web interface, the following requirements apply:

- Software (English versions)
 - Microsoft® Internet Explorer 6 SP2 or later
 - Any Windows® operating system which supports the above Web browser

- Hardware
 - Any client PC which runs the supported software
 - XGA monitor or better
 - LAN cable

1.5.2 LDAP Server

This scanner supports the following LDAP servers:

- Windows® 2000 Server Active Directory
- Windows Server® 2003 Active Directory

LDAP (Lightweight Directory Access Protocol) is a protocol for accessing a directory databases over a TCP/IP network. It can be used to administer networked users e-mail addresses and operating environments.

This LDAP server can be used to perform the following:

- User authentication at login
- Finding or entering e-mail addresses in an address book

1.5.3 Fax Server

This scanner supports the following fax server:

- Captaris® RightFax Business Server (Version 9.3)

Chapter 2

Basic Scanner Operations

Admin User

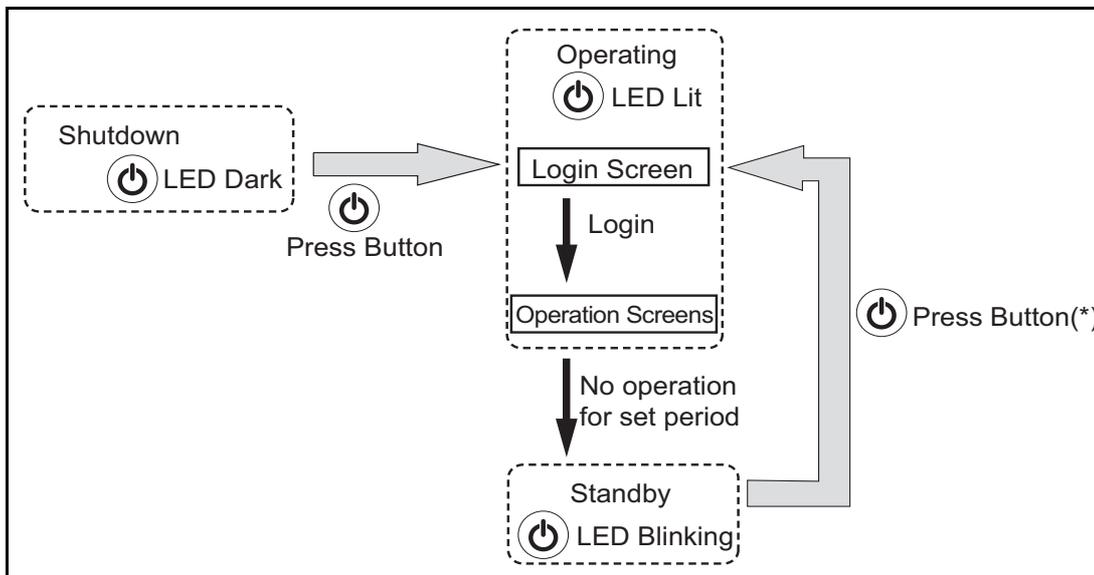


2.1 Using the Scanner Buttons	18
2.2 Using the LCD Touch Panel	20
2.3 Using the Keyboard	21

2.1 Using the Scanner Buttons

2.1.1 Using the Startup Button

When the scanner is off or in standby mode, pressing the startup button will start the scanner up and display the "Login" screen.



* Other than pressing the startup button, any of the following operations will open the "Login" screen:

- Loading the document in the ADF paper chute.
- Closing the top cover.
- Pressing a keyboard key.

The idle time before standby mode entered can be changed. For details, refer to "3.5.5 Setting the Time to Standby Mode" (page 46).



When the scanner is starting up or in standby mode, be careful to never hold the startup button down for four seconds, as this will cause the scanner to shutdown. If this happens, saved scanned data may become unusable. If the startup button is accidentally held down too long, causing the scanner to shutdown, temporarily detach the AC adaptor to ensure that the power is completely off.

After turning the power off, wait for at least ten seconds before turning the power back on again. To shutdown the scanner correctly, press the [Shutdown] button on the "Login" screen.



2.1.2 Using the Scan Button

When the [Scan] button on the touch panel is pressed, it will start the scan.

For certain scan settings, the [Scan] button may also have the following names:

- [Scan&Send] button
- [Scan&Save] button

2.2 Using the LCD Touch Panel

When using the LCD touch panel, buttons only need to be lightly pressed to select them. For details how to operate the touch panel, refer to "3.2 Administrator Control Screens" (page 25) or "4.2 Using Touch Panel Screens: Regular User" (page 135).



- Do not use a pen or other hard object on the LCD touch panel. The LCD touch panel may be damaged.
- If the screen is dirty, this may cause the LCD touch panel to malfunction. Clean the screen if it is visibly dirty. For details, refer to "5.3 Cleaning the LCD Touch Panel" (page 217).



2.3 Using the Keyboard

Selecting buttons or entering text can also be done on the keyboard.
The keyboard can be used in the following ways:

2.3.1 Using the Keyboard: Administrator

Key	Used to ...
Tab	Switch focus to the next field or button.
Space	Select the button in focus. However, this cannot be used for the [Download], [Get CSV], and [Backup] buttons.
Enter	Set the contents of the current screen. (Used instead of the [OK] button or [Login] button.)
↑ ↓	Change the value of the numerical input for the field in focus.
Page Up Page Down	Scroll up or down the contents on the screen. (Used instead of the scroll buttons.)



The keyboard cannot be used to select a top or left side menu button.
Select buttons in the top menu by pressing the touch panel or by using the mouse.

2.3.2 Using the Keyboard: Regular Users

Key	Used to ...
Tab	Switch focus to the next field or button.
Space	Select the button in focus.
Enter	Set the contents of the current screen. (Used instead of the [OK] button or [Login] button.) (On Search screens, may be used instead of the [Find] button.)
Esc	Return to the previous screen. (On Main Menu, may be used instead of the [Logout] button.)
Alt+F4	Shutdown the scanner. (Used instead of the [Shutdown] button on the "Login" screen.)
↑ ↓	Scroll up or down between items.
Page Up Page Down	Scroll up or down the page on the screen.

Chapter 3

Administrator Operations

Admin

This chapter provides an explanation of the administrator operations, which are used to setup and manage the scanner.

Messages may appear while performing operations described in this chapter. For more details about these messages and actions to take, refer to "C.1.2 System Log Messages" (page 285).

Symbols used in this chapter:

Touch : Administrator operating via the touch panel.

Web : Administrator operating via the web interface.

3

3.1 Required Scanner Function Settings	24
3.2 Administrator Control Screens	25
3.3 Administrator Login: via the Scanner's Touch Panel	27
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3.5 Using the System Settings Menus	34
3.6 Using the Network Settings Menus	57
3.7 Using the Device Status Menus	91
3.8 Using the Operation Logs Menus	96
3.9 Using the Maintenance Menus	107

3.1 Required Scanner Function Settings

Which scanner settings are required differs according to the type of scan that is to be used.

Note that [Device Status], [Operation Logs], and [Maintenance] menu settings are not required for normal use.

Top Menu					
	Left Side Menu	e-Mail	Fax	Save	See ...
System Settings					
Screen Calibration		—	—	—	page 34
Scanner Name		N	N	N	page 37
Region/Timezone		A	A	A	page 42
Date/Time		A	A	A	page 44
Standby Mode		—	—	—	page 46
Admin Password		A	A	A	page 49
Multifeed Settings		—	—	—	page 50
Scanner Adjustment		—	—	—	page 54
Network Settings					
IP Address		N	N	N	page 57
DNS Server		A	A	A	page 60
WINS Server		A	A	A	page 61
NTP Server		A	A	A	page 62
LDAP Server		A (*1)	A (*1)	A (*1)	page 64
SMTP Server		N	N	—	page 69
Fax Server		—	N	—	page 71
Network Folder		—	—	N	page 73
Alert Notification		A	A	A	page 84
Ping		—	—	—	page 86
Network Status		—	—	—	page 89

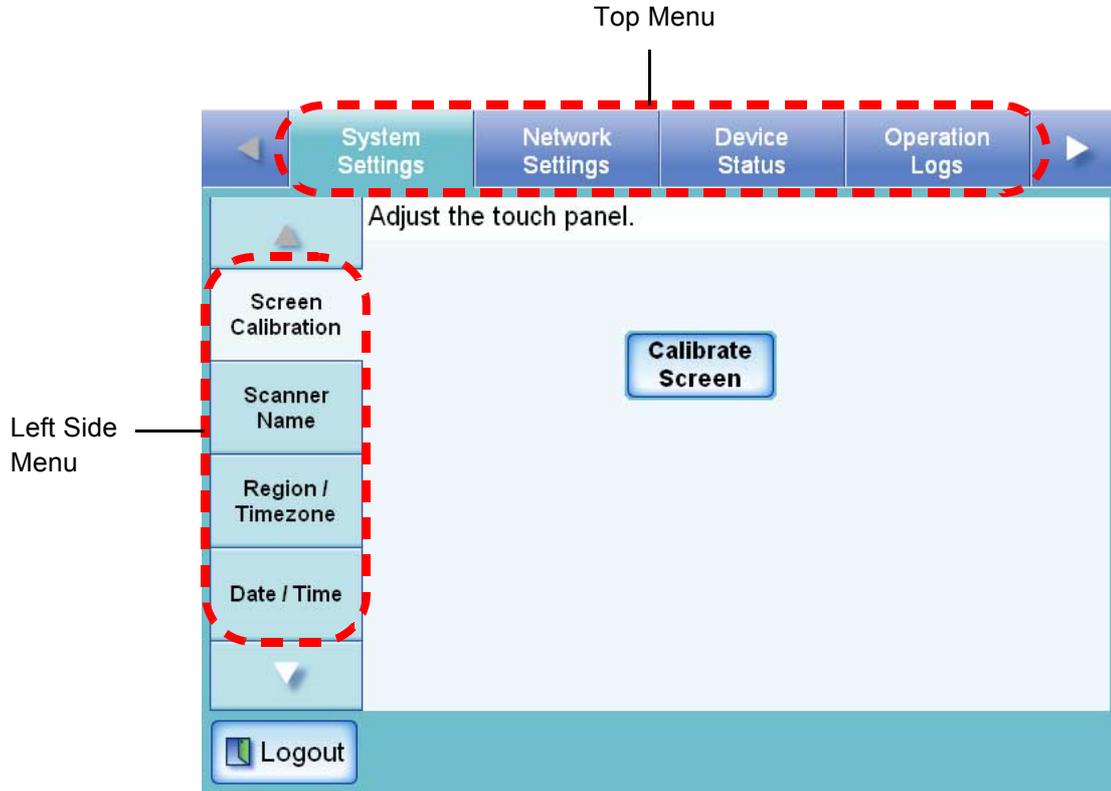
N: Necessary A: Advisable —: Not required

(*1): Only necessary if connecting to an LDAP server

3.2 Administrator Control Screens

3.2.1 Menu Tabs

On the administrators' screen (touch panel or web), when one of the top menu tabs is selected, the related function tabs are displayed on the left side menu.



Actual icon	Shown in manual as...	Used to ...
	[Left] button, [Right] button	Switch between top menu tabs (scrolling the top menu as necessary).
	[Up] button, [Down] button	Switch between side menu tabs (scrolling the left side menu as necessary).
	[List] button	Display a list of possible selections.
	[Logout] button	Log the current user out.

Actual icon	Shown in manual as...	Used to ...
	[OK] button	Accept any changes to the current screen settings.
	[Cancel] button	Abandon any input to the current screen, and keep present settings and/or return to the previous screen.

3.2.2 Input Fields and Entering Characters

Only passwords for the following fields are case sensitive.

Screen	Field name
Login	Password
Admin Password	Current Password New Password Confirm New Password
Authentication screen for setting a network folder	Password

3.3 Administrator Login: via the Scanner's Touch Panel Touch

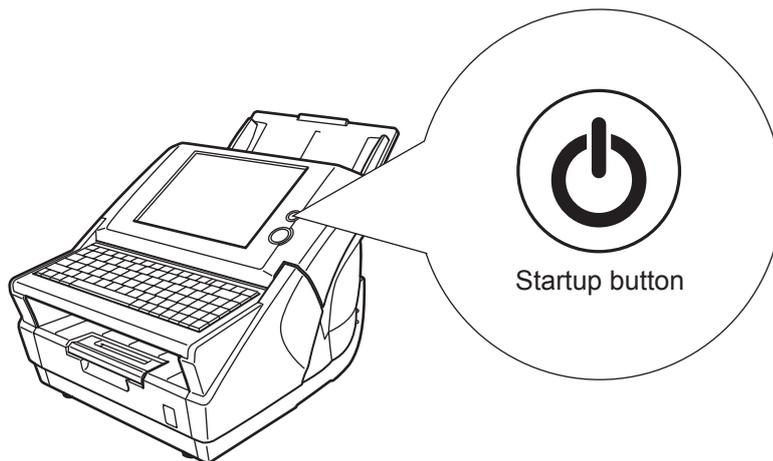


- If the normal screen display does not appear, wait for a few minutes and try again. If the problem still occurs, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
- If changes are made to settings, such as IP address settings, when buffer jobs are already queued, these jobs may not be processed normally. In such cases, wait for all buffer jobs to be processed before changing any settings.
- If the [Cancel] button is pressed repeatedly in succession, "The page cannot be displayed" message may appear on the screen. In this case, wait for a few minutes and try again.



- The user name and initial password for the administrator are as follows:
User Name: admin
Password: password
- Only one administrator or user can login to the scanner at any one time.
- Timeout time is 20 minutes (fixed). The timeout time is extended by a further 20 minutes for the following:
 - when a tab on the top menu or left side menu is pressed
 - when the [OK] button is pressed

1. Press the startup button.



⇒ The "Login" screen appears.

2. Enter a "User Name" and "Password".

Enter "admin" for the user name.

Passwords must be between 7 and 127 characters long.

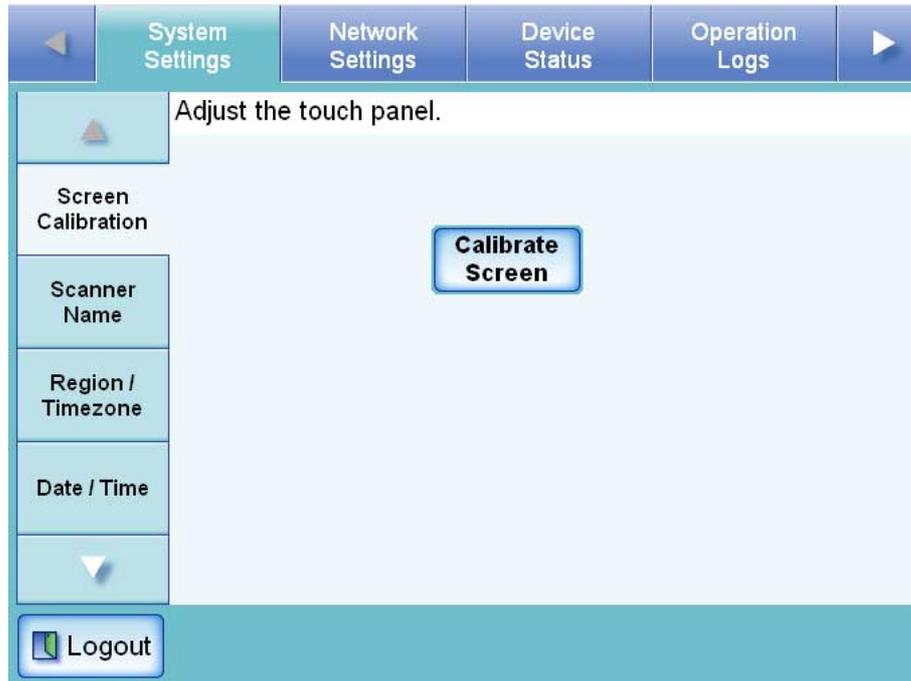
Alphanumeric characters (case sensitive) and symbols may be entered.



- The "Caps Lock" indicator is on if the keyboard's Caps Lock is set.
- The "Num Lock" indicator is on if the keyboard's Num Lock is set.

3. Press the [Login] button.

⇒ If the user name and password are valid, the "System Settings" screen appears.



3.4 Administrator Login: via the Web Interface Web

3.4.1 Setting up for Administrator Access via the Web Interface

The following are required for administrator login via the web interface:

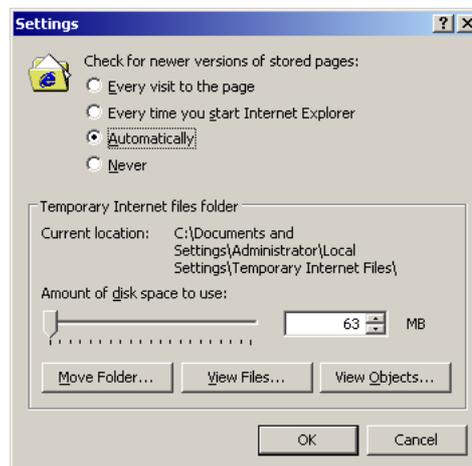
- "3.5.2 Setting the Scanner Name" (page 37)
- "3.5.6 Changing the Admin Password" (page 49)
- "3.6.1 Giving the Scanner an IP Address" (page 57)
- "3.6.2 Setting the DNS Server" (page 60)
- "3.6.3 Setting the WINS Server" (page 61)



For details about setting up to manage the scanner via a personal computer, refer to "1.5.1 Administrator Requirements for Login via the Web Interface" (page 15).

Check that the Internet Explorer cache settings.

1. From the Internet Explorer [Tools] menu, select [Internet Options].
⇒ The "Internet Options" dialog box appears.
2. On the [General] tab, press the [Settings] button on the "Temporary Internet Files".
⇒ The "Settings" dialog box appears.



3. For "Check for newer versions of stored pages", select "Automatically".
4. In the "Temporary Internet files folder" section, specify "Amount of disk space to use" as 63MB or above.
5. Press the [OK] button.



- Different browser versions may require a different set up procedure.
- Do not use a proxy server setting.
- Do not use the browser [Refresh], [Back], or [Forward] buttons.
- Do not select the browser [File] - [New] - [Window] menu item.
- Do not use any Windows® operating system shortcut keys.



Different browser versions may display font types and sizes differently, upsetting the page layout. However, this does not affect functional operation.
If any updates or service packs are available for Internet Explorer, make sure they are applied.

3.4.2 Logging In



- If the normal screen display does not appear, wait for a few minutes and try again. If the problem still occurs, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
- If changes are made to settings, such as IP address settings, when buffer jobs are already queued, these jobs may not be processed normally. In such cases, wait for all buffer jobs to be processed before changing any settings.
- If the [Cancel] button is pressed repeatedly in succession, "The page cannot be displayed" message may appear on the screen. In this case, wait for a few minutes and try again.



- The user name and initial password for the administrator are as follows:
User Name: admin
Password: password
- Only one administrator or user can login to the scanner at any one time.
- Timeout time is 20 minutes (fixed). The timeout time is extended by a further 20 minutes for the following:
 - when a tab on the top menu or left side menu is pressed
 - when the [OK] button is pressed

1. Specify the scanner name as a URL in the web browser's location bar.

For example, when the scanner name is "SCAN001":

`http://SCAN001/`

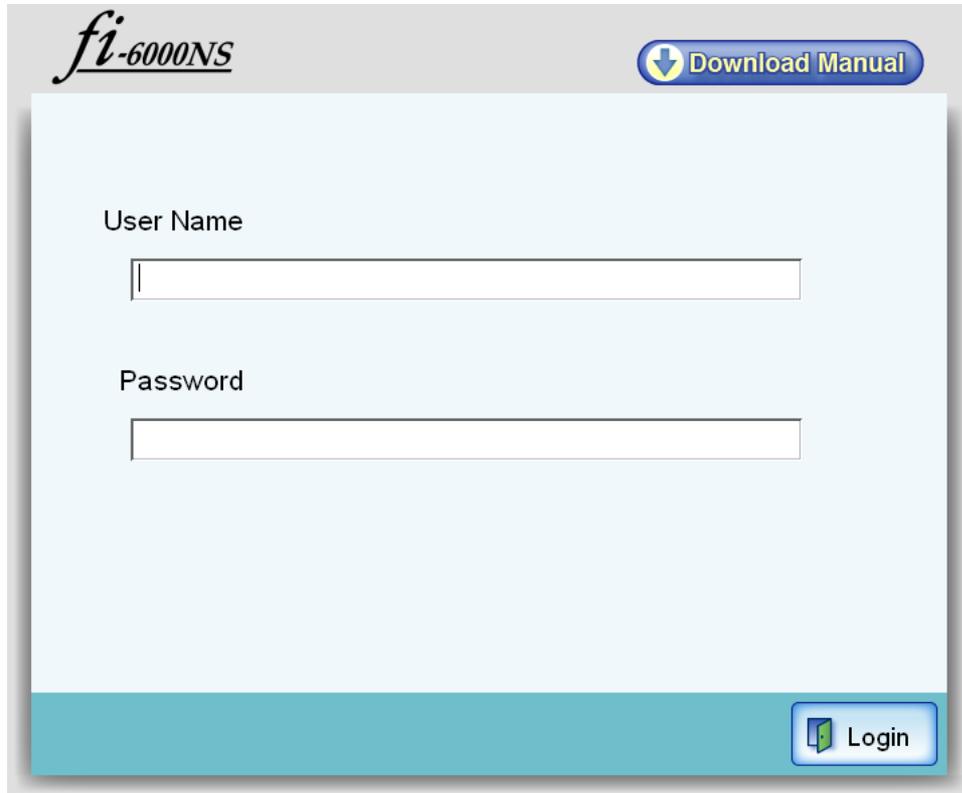
An IP address can be specified instead of a scanner name for the URL.

If the IP address is `xxx . xxx . xxx . xxx`, the specified URL is

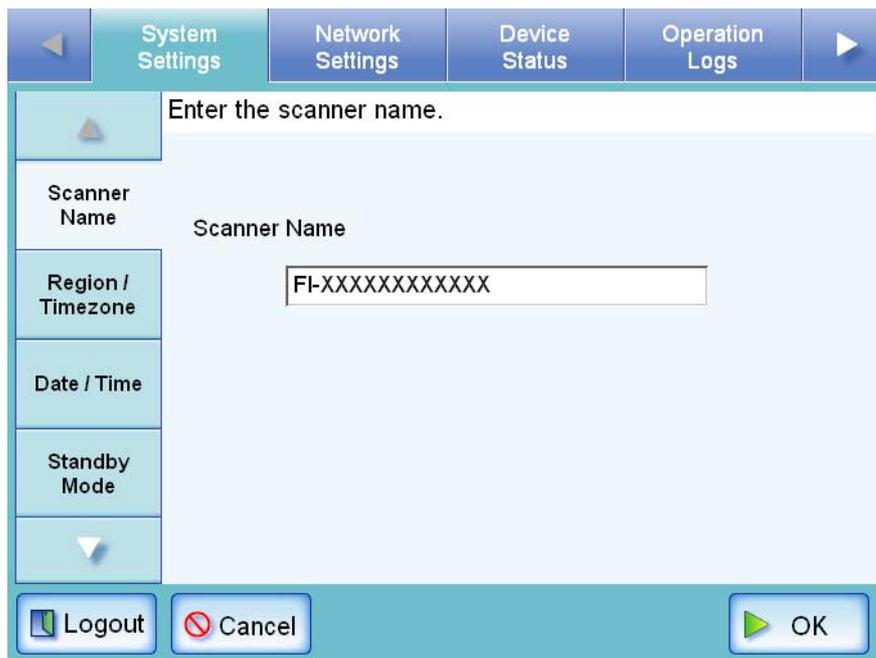
`http://xxx . xxx . xxx . xxx/`.

⇒ The "Login" screen appears.

2. Enter a "User Name" and "Password".
 - Enter "admin" for the user name.
 - Passwords must be between 7 and 127 characters long.
 - Alphanumeric characters (case sensitive) and symbols may be entered.



3. Press the [Login] button.
 - ⇒ If the user name and password are valid, the "System Settings" screen appears.

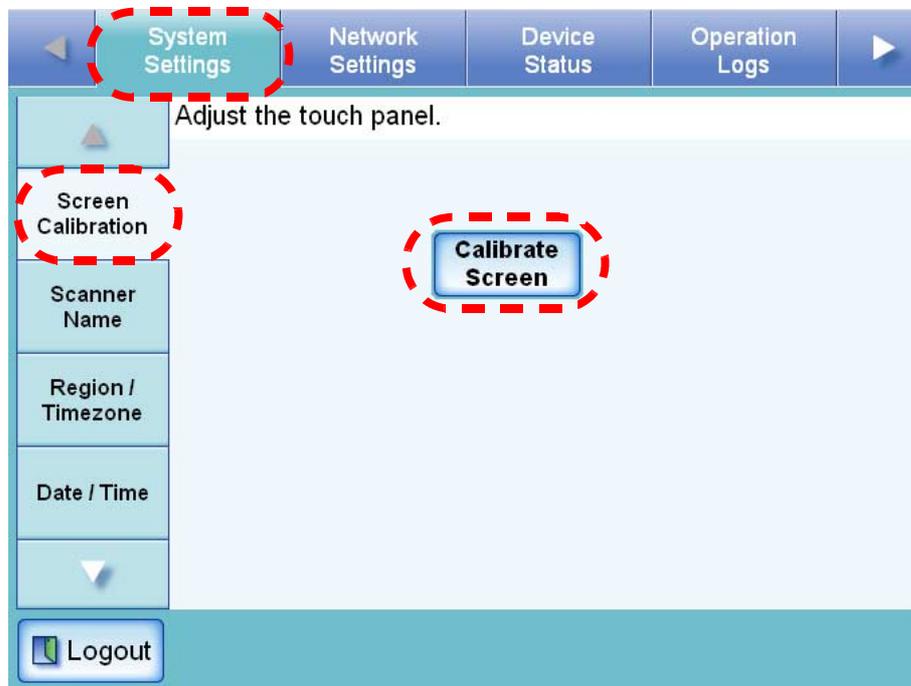


3.5 Using the System Settings Menus

3.5.1 Calibrating the Touch Panel Touch

This should be done when the touch panel responses seem out of alignment with the positions of objects on the LCD screen.

1. Select the [System Settings] tab on the top menu.
2. Select the [Screen Calibration] tab on the left side menu.
⇒ The "Screen Calibration" screen appears.
3. Press the [Calibrate Screen] button.



⇒ A blank calibration screen appears, with a red "+" (adjustment mark) in the top-left corner.

4. Touch the "+" with your fingertip.

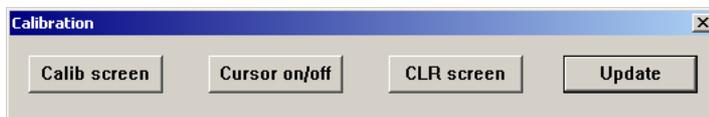
After being touched, the "+" will move to the next calibration position. Each time it stops, touch it again.



HINT  The keyboard may also be used on the calibration screen:

- Press the [Home] key to jump straight to the post-calibration test screen.
- Use the arrow keys to move the "+" to a different calibration point. This allows a bad touch to be redone.
- Press the [Esc] key to stop the calibration process and return to the "Screen Calibration" screen.
- Press the [Enter] key to close the error dialog. (Not normally needed.)

Repeat until the test screen appears, with the following "Calibration" dialog box:



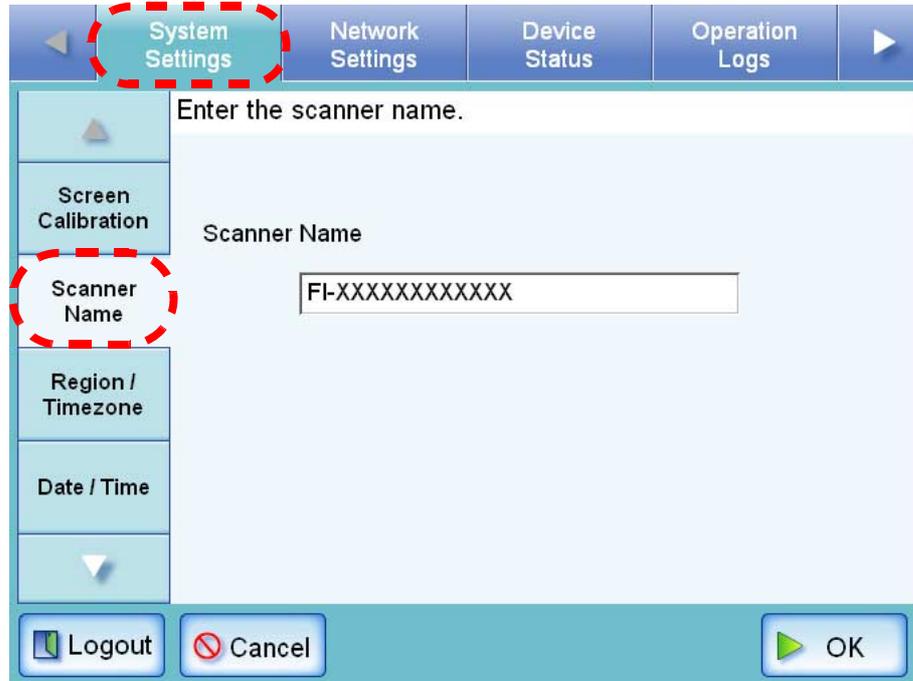
3.5.2 Setting the Scanner Name Touch Web

A scanner name may be set to provide a network alias for the device.



Do not use a name already being used in the network. Name duplication will cause a network connection error. For more details about how to deal with such errors, refer to "C.1.1 Administrator Screen Messages" (page 271).

1. Select the [System Settings] tab on the top menu.
2. Select the [Scanner Name] tab on the left side menu.
⇒ The "Scanner Name" screen appears.



3. Enter a Scanner Name.

Scanner names may be up to 15 characters long.

Alphanumeric characters (case sensitive) and hyphens may be entered.

Initial character may not be a hyphen.



Do not use a name that is already being used in the network.

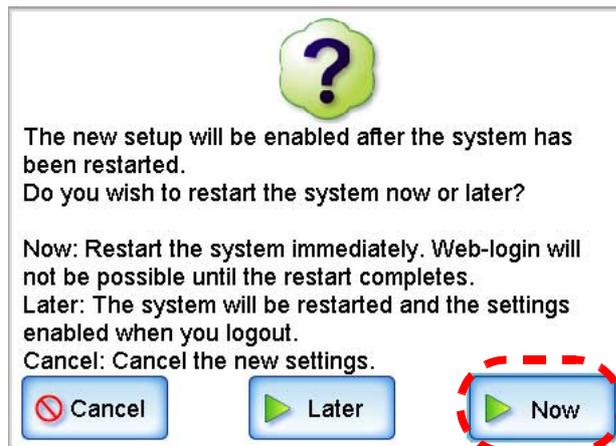


The screenshot shows a settings interface with a top navigation bar containing 'System Settings', 'Network Settings', 'Device Status', and 'Operation Logs'. The 'System Settings' section is active, showing a list of options: 'Screen Calibration', 'Scanner Name', 'Region / Timezone', and 'Date / Time'. The 'Scanner Name' option is selected, and its input field contains the text 'SCANNER1'. A red dashed oval highlights this input field. At the bottom of the screen, there are three buttons: 'Logout', 'Cancel', and 'OK'.

4. Press the [OK] button.

⇒ The restart confirmation screen appears.

5. Press the [Now] button.



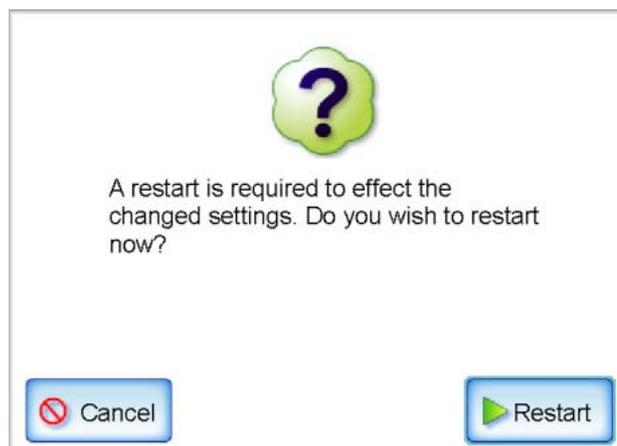
⇒ The system is restarted.



If the [Later] button is pressed on the restart confirmation screen, the current scanner name and the next scanner name (after restart) are displayed on the Scanner Name screen. The next scanner name can be changed again by entering a new scanner name in the current scanner name field and pressing the [OK] button. Alternatively, the scanner can be reverted to its old name (i.e. no change after restart) by pressing the [OK] button without changing the current scanner name.

Use the following procedure to restart the scanner after the [Later] option has been selected:

1. Press the [Logout] button.
A restart confirmation screen appears.



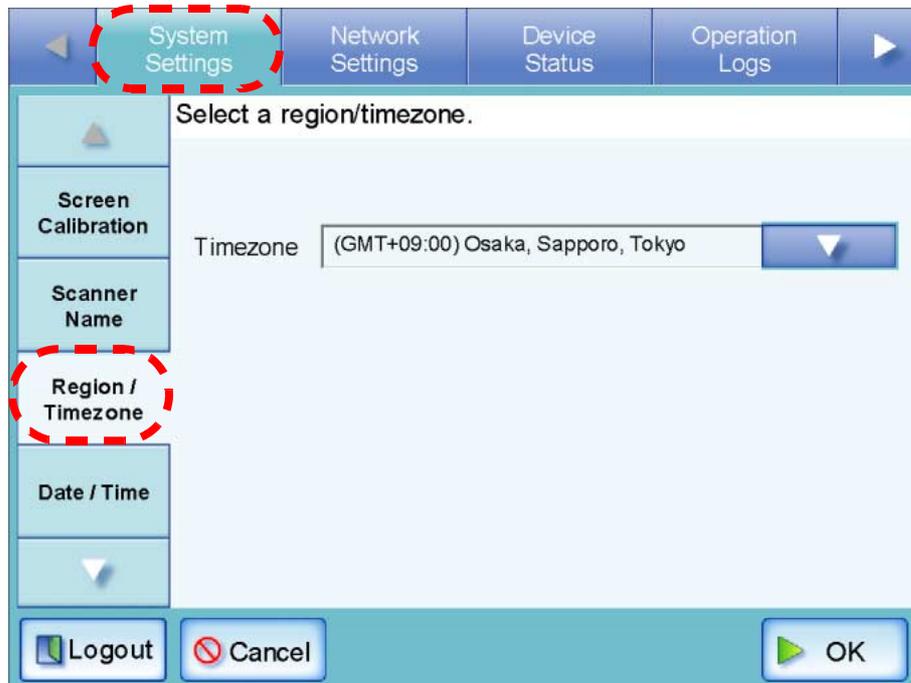
2. Press the [Restart] button.
The scanner is restarted, and the normal "Login" screen appears.



- If the new scanner name is the same as another device name already in use on the network, communication problems will occur. In this case, try the following steps:
 1. Disconnect the LAN cable and turn the scanner off.
 2. Reboot the scanner with the LAN cable still disconnected, and enter a non-duplicate scanner name.
 3. Reboot the scanner again.
 4. Re-connect the LAN cable to the scanner.
- The connection will be lost if the scanner name is changed via the Web interface. To continue with other settings, wait a short time for the device to restart, then login to the Web interface again.

3.5.3 Setting the Region/Timezone Touch Web

1. Select the [System Settings] tab on the top menu.
2. Select the [Region/Timezone] tab on the left side menu.
⇒ The "Region/Timezone" screen appears.

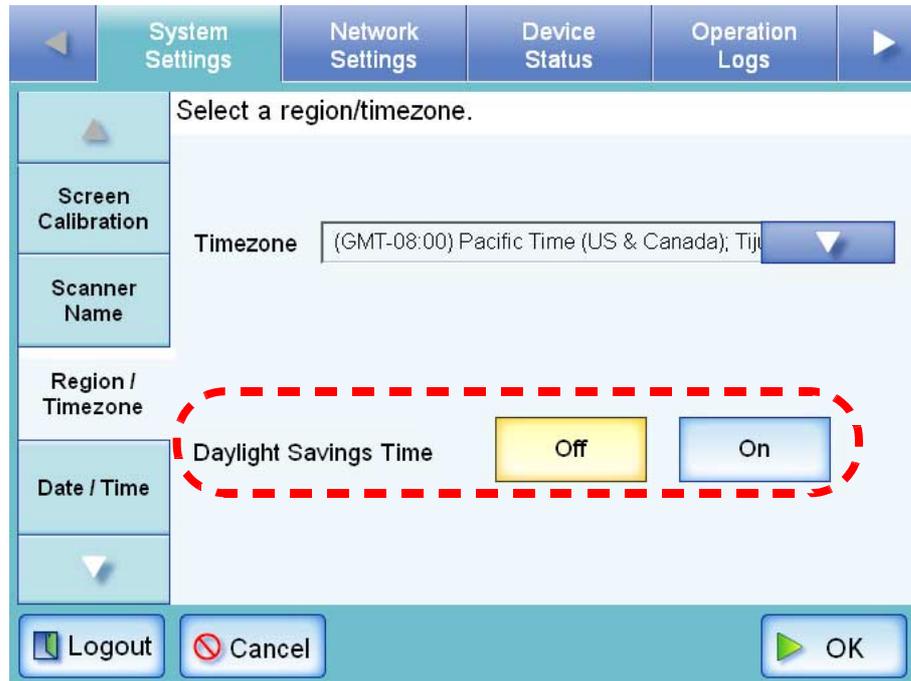


3. Press the [List] button for the "Timezone" input field.
The default timezone is "(GMT+09:00) Osaka, Sapporo, Tokyo".
⇒ A list of timezones appears.
4. Select a timezone.



5. Select whether "Daylight Savings Time" should be on or off.

This option is not shown for timezones where daylight savings time is not used.

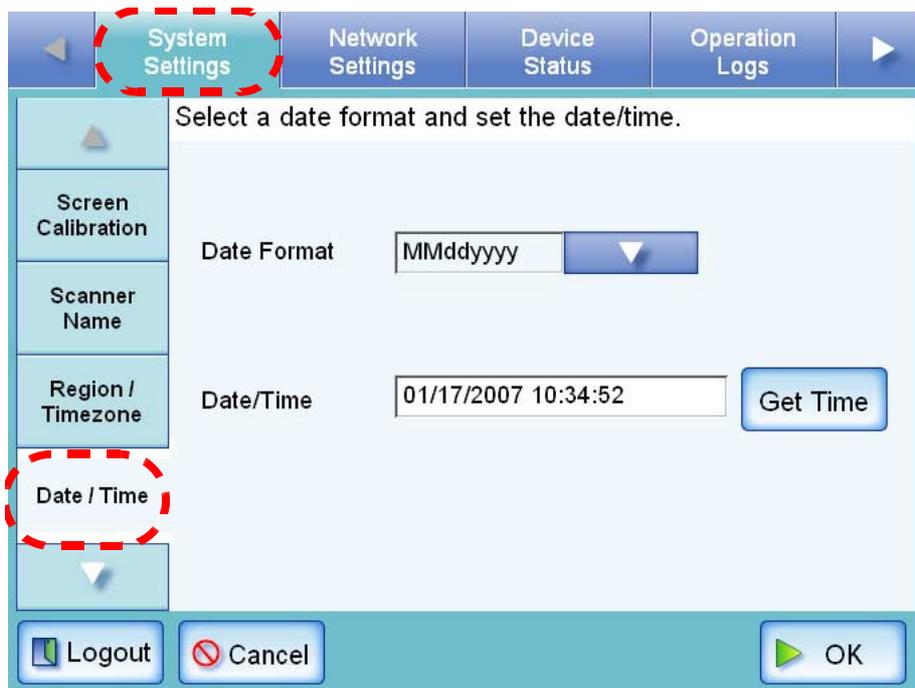


6. Press the [OK] button.

⇒ The Region/Timezone is set.

3.5.4 Setting the Date/Time Touch Web

1. Select the [System Settings] tab on the top menu.
2. Select the [Date/Time] tab on the left side menu.
⇒ The "Date/Time" screen appears, with a system date/time near to the current date/time shown.



3. Press the Date Format [List] button.
⇒ A date format drop down list appears.

3.5.5 Setting the Time to Standby Mode Touch Web

The scanner can be set to automatically log out and then enter a standby state after specified periods of non-use.

For any screen after regular user login, if no operations have been performed for the specified "Logout after" period of time, the scanner automatically logs the user out.

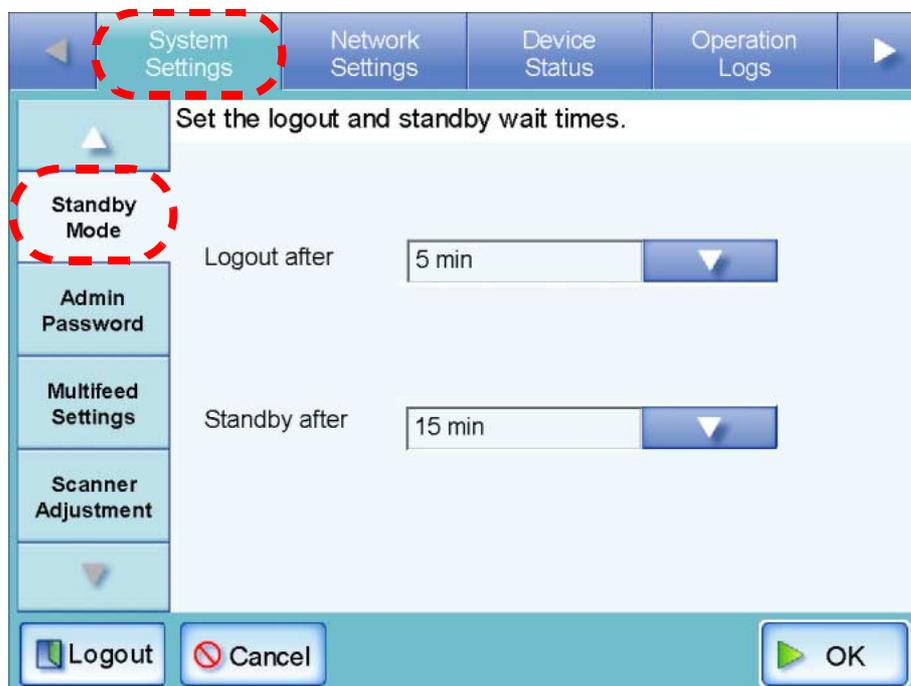
The scanner will not log out while the following operations are ongoing:

- Scanning documents
- e-Mailing a scan
- Faxing a scan
- Saving a scan

If no operations are performed for the specified "Standby after" period of time, the scanner enters standby mode. The touch panel is switched off when the scanner enters standby mode.

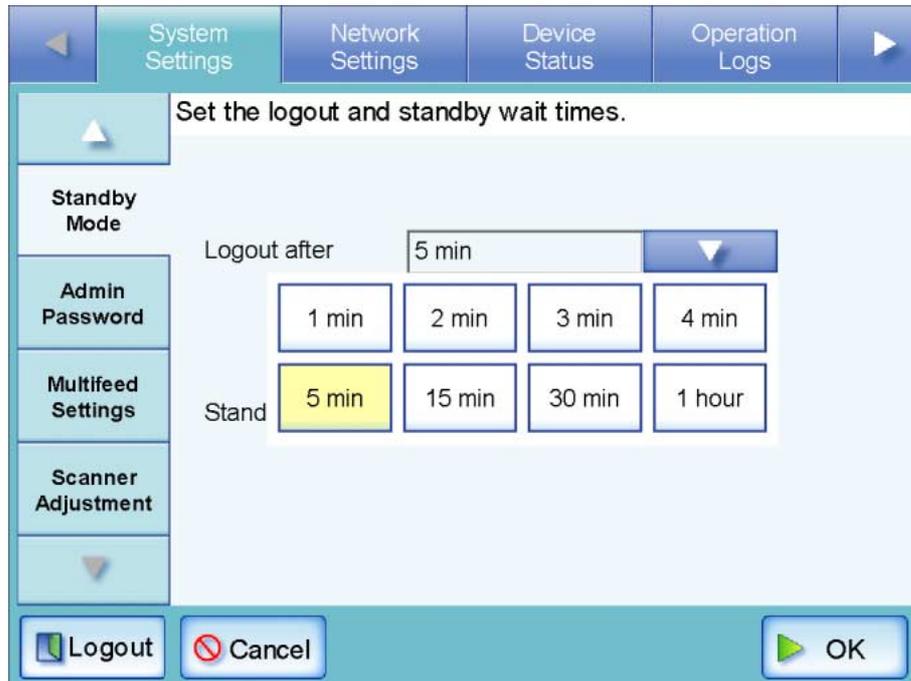
When the startup button is pressed, the "Login" screen will appear.

1. Select the [System Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Standby Mode] tab appears.
3. Select the [Standby Mode] tab on the left side menu.
⇒ The "Standby Mode" screen appears.



4. Press the [List] button for the "Logout after" input field.
⇒ A list of "Logout after" times appears.

5. Select the desired time before automatic log out.
The default time is "5min".



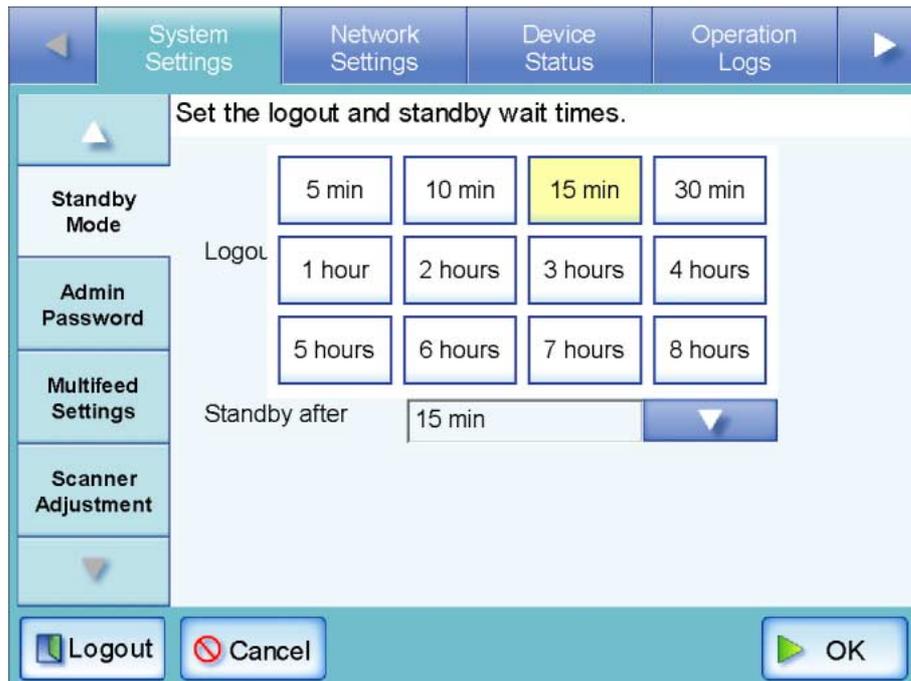
6. Press the [List] button for the "Standby after" input field.
⇒ A list of "Standby after" times appears.

7. Select the desired time before standby mode.

The default time is "15min".



The "Standby after" time must be longer than the "Logout after" time.



8. Press the [OK] button.

⇒ The scanner is set to first standby and then automatically log out after the specified times.

3.5.6 Changing the Admin Password Touch Web



Login is not possible without a password, therefore manage them carefully. If a password has been lost or forgotten, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

1. Select the [System Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Admin Password] tab appears.
3. Select the [Admin Password] tab on the left side menu.
⇒ The "Admin Password" screen appears.

4. Enter the "Current Password", "New Password", and "Confirm New Password".
A password may be between 7 and 127 characters long.



The "Caps Lock" and "Num Lock" indicators are shown when the administrator logs in via the scanner's touch panel.
The "Caps Lock" indicator is on if the keyboard's Caps Lock is set.
The "Num Lock" indicator is on if the keyboard's Num Lock is set.

5. Press the [OK] button.
⇒ The new admin password is set.

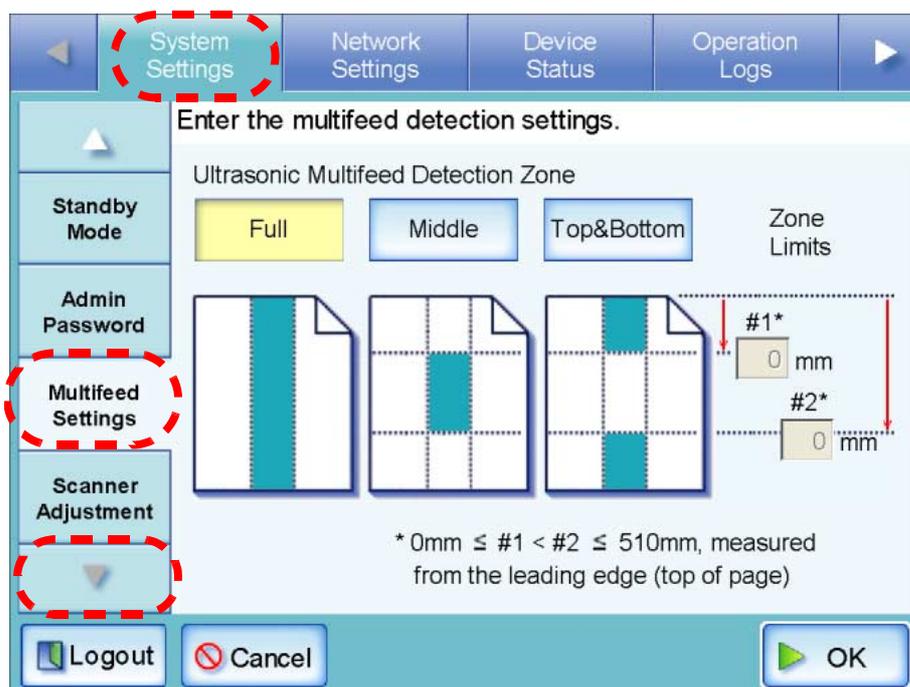
3.5.7 Setting the Multifeed Detection Method Touch Web

By default, multifeed detection will monitor for paper overlaps in the central column (width: 35mm) of the document being scanned. However, any photos or attachments in this area will also be detected as a multifeed.

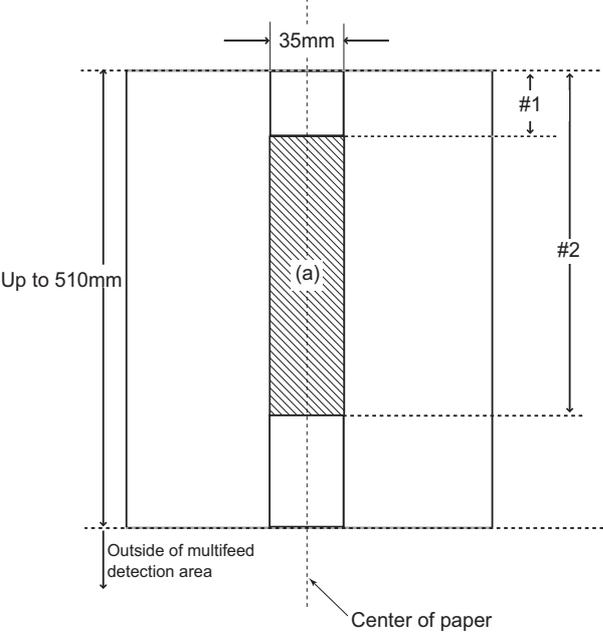
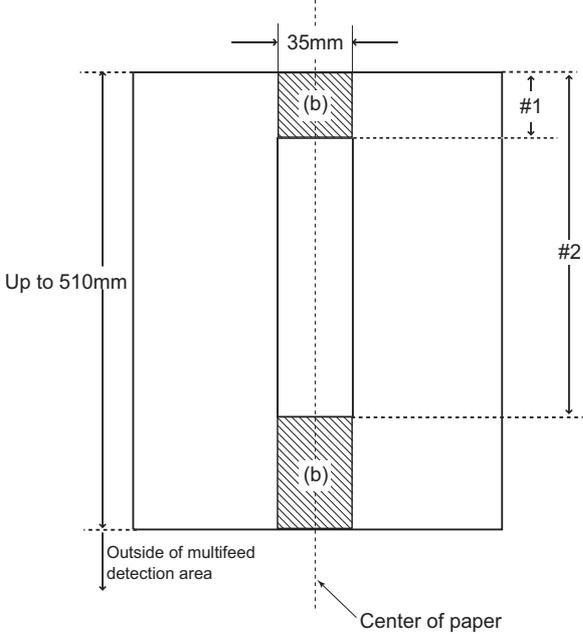
When scanning documents, multifeed detection area may be adjusted to ignore the area (excluding the photograph or attachments) and prevent mis-detections.

For document requirements for multifeed detection, refer to "A.5 Multifeed Detection Conditions" (page 262).

1. Select the [System Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Multifeed Settings] tab appears.
3. Select the [Multifeed Settings] tab on the left side menu.
⇒ The "Multifeed Settings" screen appears.



- Set the area for multifeed detection in the "Multifeed Detection" section.
Starting from the top edge of a document sheet, set the area to be checked for multifeeds.

Full	Multifeeds will be detected within 35mm (1.4in) of the vertical centerline of the document.
Middle	<p>Multifeeds will be detected within "#1" (upper limit) and "#2" (lower limit) set. (a)</p> 
Top & Bottom	<p>Multifeeds will be detected from the top of the page to "#1" (upper limit), and from #2 (lower limit) to the bottom of the page. (b)</p> 



Multifeed may not be detected for the top and bottom 25mm of a document.

System Settings | Network Settings | Device Status | Operation Logs

Enter the multifeed detection settings.

Ultrasonic Multifeed Detection Zone

Zone Limits

Full | Middle | Top&Bottom

#1* 0 mm

#2* 0 mm

* 0mm ≤ #1 < #2 ≤ 510mm, measured from the leading edge (top of page)

Logout | Cancel | OK

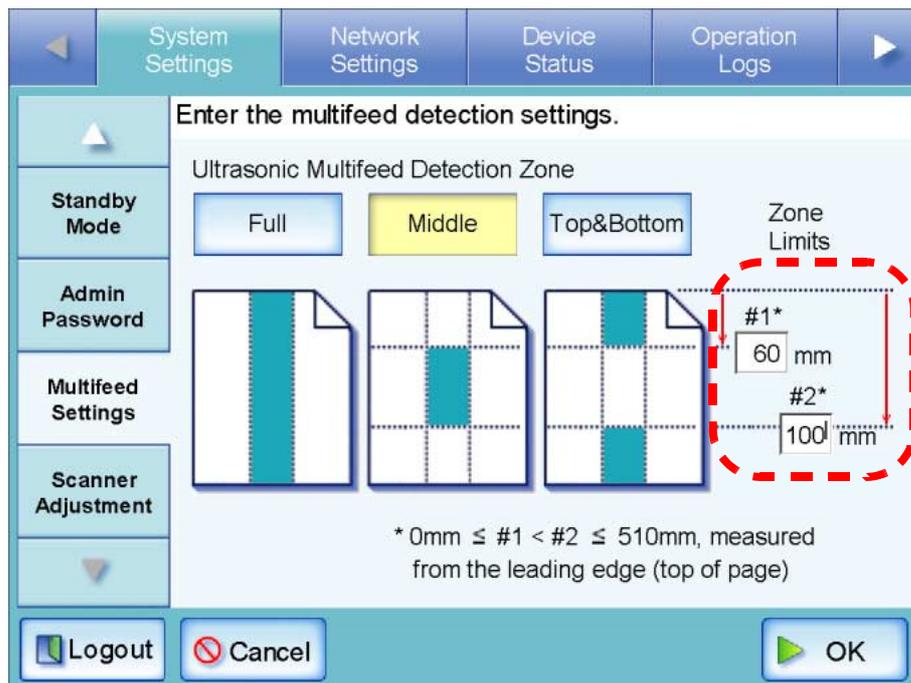
- In Step 4, if [Middle] or [Top & Bottom] is selected, enter both "#1" (upper limit) and "#2" (lower limit).

#1: Even numbers from 0 to 508mm can be entered. Odd numbers will be made even by adding one.

#2: Even numbers from 0 to 510mm can be entered. Odd numbers will be made even by adding one.



- Specify a larger value for "#1" than for "#2".
- "#2" can have a maximum value of 510mm. If the paper size setting is long page mode but the length of the document is longer than 510mm, multifeed cannot be detected by length.
- When [Middle] is selected, if the document is shorter than "#1", multifeed will not be detected. When [Top & Bottom] is selected, if the document is shorter "#2", multifeed will not be detected for the bottom part.
- If the values specified for "#1" and "#2" exceed the actual paper size, multifeeds will not be detected.



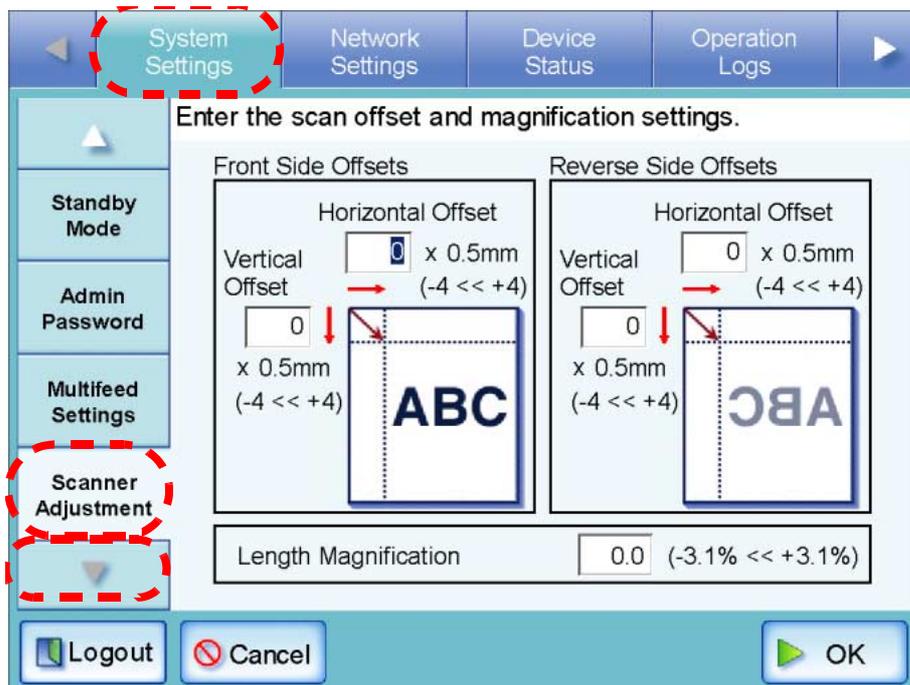
- Press the [OK] button.

⇒ The document area to be monitored for multifeeds is set.

3.5.8 Setting Scanning Performance

Usually, it is not necessary to make any setting changes.

1. Select the [System Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Scanner Adjustment] tab appears.
3. Select the [Scanner Adjustment] tab on the left side menu.
⇒ The "Scanner Adjustment" screen appears.

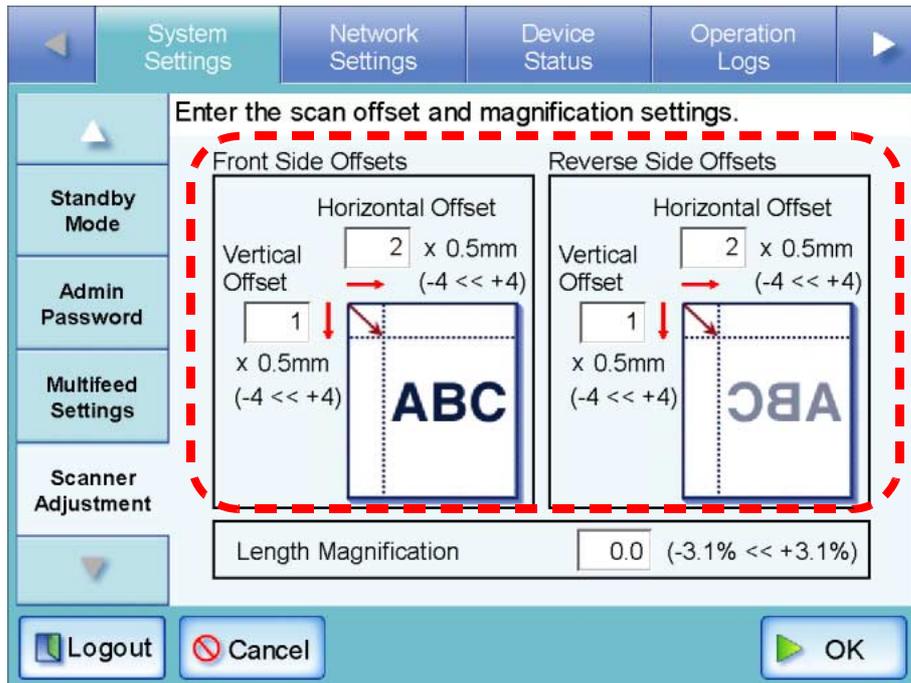


■ Offset Settings

If the scanned output is found to be displaced relative to the actual documents being scanned, the scan offsets can be adjusted.

1. On the "Scanner Adjustment" screen, under [Front Side Offsets]/[Reverse Side Offsets], enter values for the "Horizontal Offset" and "Vertical Offset" input fields.

Offset lengths are measured in units of 0.5mm and may be set to between -4 and +4.



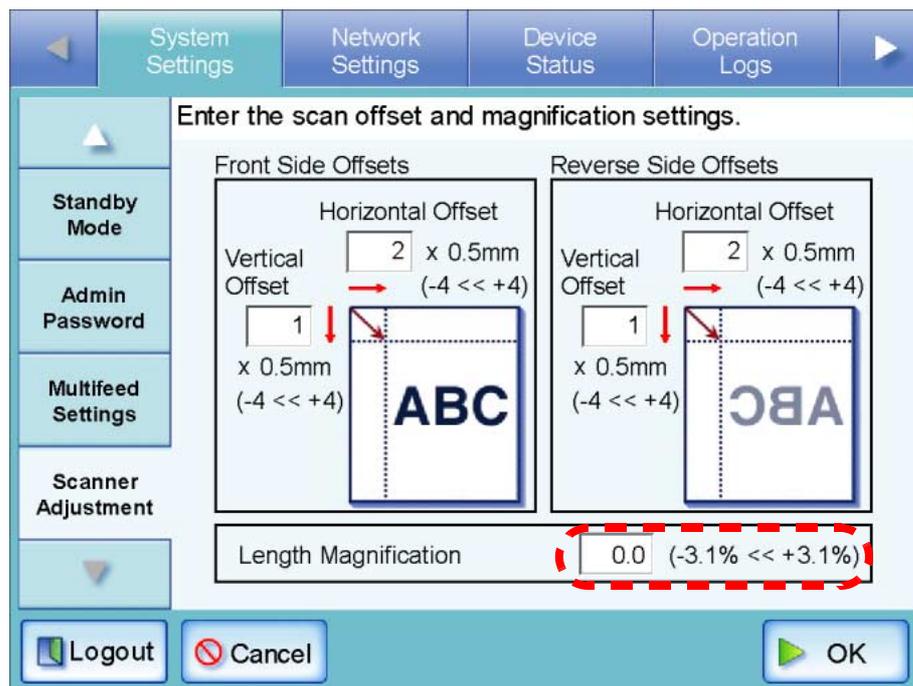
2. Press the [OK] button.
⇒ The offset settings are set.

■ Length Magnification Setting

If the scanned output is found to be vertically distorted (stretched or squashed) relative to the actual documents being scanned, the length magnification can be adjusted.

1. On the "Scanner Adjustment" screen, enter the value for the "Length Magnification" input field.

This changes the length magnification correction value of the vertical scan. Using the factory default setting as a starting point, the length of the scan can be magnified or reduced to between -3.1% and 3.1%.



2. Press the [OK] button.
⇒ The length magnification setting is set.

3.6 Using the Network Settings Menus

3.6.1 Giving the Scanner an IP Address Touch Web

An IP address must be set in order to connect the scanner to a network.



Do not use an IP address that already exists in the network. IP address duplication will cause a network connection error. For more details about how to deal with such errors, refer to "C.1.1 Administrator Screen Messages" (page 271).

1. Select the [Network Settings] tab on the top menu.
2. Select the [IP Address] tab on the left side menu.
⇒ The DHCP or IP address setting screen appears.

The screenshot shows the 'Network Settings' interface. At the top, there are navigation tabs: 'System Settings', 'Network Settings' (highlighted with a red dashed circle), 'Device Status', and 'Operation Logs'. Below these is a left-hand menu with options: 'IP Address' (highlighted with a red dashed circle), 'DNS Server', 'WINS Server', and 'NTP Server'. The main area is titled 'Enter the network addresses.' and contains a 'DHCP' section with 'On' and 'Off' buttons. Below that are three rows of input fields: 'IP Address', 'Subnet Mask', and 'Default Gateway', each with four individual digit boxes separated by dots. At the bottom of the screen are three buttons: 'Logout', 'Cancel', and 'OK'.

3. Select whether or not a DHCP is required.

Set the scanner's IP address. This may be done automatically, by pressing the DHCP [On] button. By default, this is set as [On].

The IP address may also be set manually, by pressing the DHCP [Off] button and entering the following numerical addresses:

- IP Address
- Subnet Mask
- Default Gateway

The screenshot shows a 'Network Settings' menu with a left sidebar containing 'IP Address', 'DNS Server', 'WINS Server', and 'NTP Server'. The main area is titled 'Enter the network addresses.' and features a 'DHCP' section with 'On' and 'Off' buttons. The 'On' button is highlighted with a red dashed border. Below this, there are three rows of input fields: 'IP Address' (192, 168, 0, 10), 'Subnet Mask' (255, 255, 255, 0), and 'Default Gateway' (192, 168, 0, 1). At the bottom, there are 'Logout', 'Cancel', and 'OK' buttons.

4. Press the [OK] button.

⇒ The information entered is set.

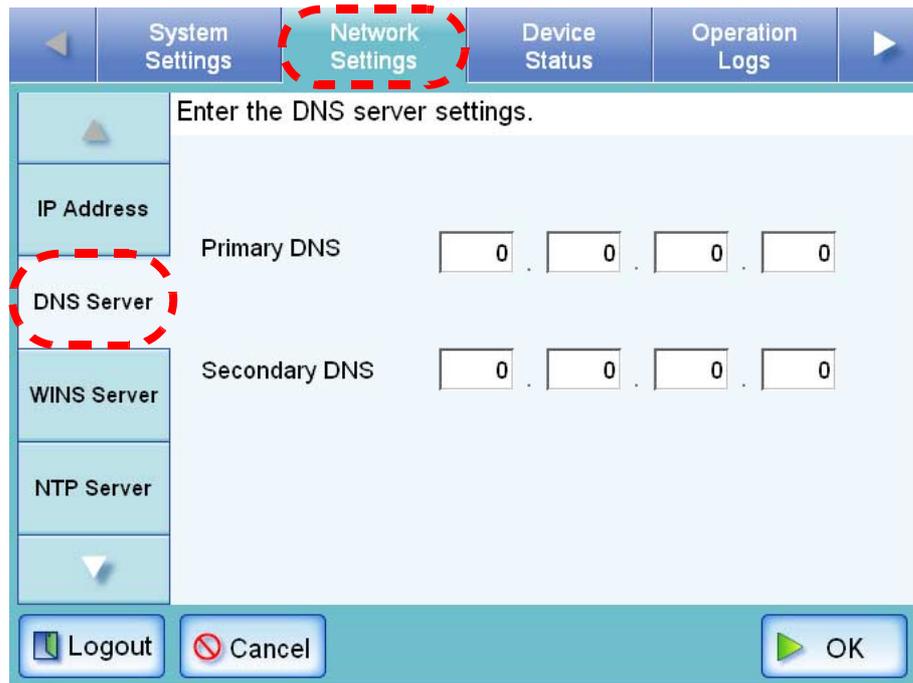


- If the IP address is the same as one already in use, network communication problems will occur. In this case, try the following steps:
 1. Disconnect the LAN cable and turn the scanner off.
 2. Reboot the scanner with the LAN cable still disconnected, and enter a nonduplicate IP address.
 3. Re-connect the LAN cable to the scanner.
- When DHCP is set to "On", the following settings are assigned by the DHCP:
 - IP Address
 - Subnet Mask
 - Default Gateway
 - DNS Server
 - WINS Server
 - DNSEven if DNS or WINS server is set, priority is given to the scanner settings over the DHCP settings.
- The connection will be lost if the scanner's IP address is changed via the Web interface. To continue with other settings, login to the Web interface again, using the new IP address if connecting via IP address.

3.6.2 Setting the DNS Server Touch Web

A primary DNS and secondary DNS can be set.

1. Select the [Network Settings] tab on the top menu.
2. Select the [DNS Server] tab on the left side menu.
⇒ The "DNS Server" screen appears.



3. Enter the following numerical addresses:
 - Primary DNS
 - Secondary DNSIf a DNS server setting is not required, enter "0.0.0.0".
4. Press the [OK] button.
⇒ The information entered is set.

3.6.3 Setting the WINS Server Touch Web

A primary WINS and secondary WINS can be set.

1. Select the [Network Settings] tab on the top menu.
2. Select the [WINS Server] tab on the left side menu.
⇒ The "WINS Server" screen appears.

3. Enter the following numerical addresses:
 - Primary WINS
 - Secondary WINS
 If a WINS server setting is not required, enter "0.0.0.0".
4. Press the [OK] button.
⇒ The information entered is set.

3.6.4 Setting the NTP Server Touch Web

1. Select the [Network Settings] tab on the top menu.
2. Select the [NTP Server] tab on the left side menu.
⇒ The "NTP Server" screen appears.

The screenshot shows a web-based configuration interface for an NTP server. At the top, there is a navigation bar with five tabs: "System Settings", "Network Settings", "Device Status", and "Operation Logs". The "Network Settings" tab is highlighted with a red dashed circle. Below the navigation bar is a left-hand menu with options: "IP Address", "DNS Server", "WINS Server", "NTP Server", and a scroll indicator. The "NTP Server" option is also highlighted with a red dashed circle. The main content area is titled "Enter the NTP server settings." and contains the following fields and buttons:

- NTP Server** label
- Server Name** label with an adjacent text input field.
- IP Address** label with an adjacent IP address input field (displayed as 0 . 0 . 0 . 0).
- Sync Time** button.
- Bottom navigation bar with **Logout**, **Cancel**, and **OK** buttons.

- For the NTP server, select whether to set a server name or IP address.
Both the [Server Name] and [IP Address] buttons cannot be selected at the same time.

- Enter the NTP server name or IP address (selected in Step 3).
 - If the [Server Name] button is selected:
Enter a Fully Qualified Domain Name (FQDN) or server name in the input field. This may be up to 255 characters long. If the NTP server setting is not required, leave the field blank.
 - If the [IP Address] button is selected:
Enter a numerical IP address.
If the NTP server setting is not required, enter "0.0.0.0".
- Press the [Sync Time] button.
 - ⇒ The result of the time synchronization for the specified NTP server is shown.
If no error message appears, the NTP server setting is valid.
If an error message appears, refer to "C.1.1 Administrator Screen Messages" (page 271).
- Press the [OK] button on the confirmation message screen.
- Press the [OK] button.
 - ⇒ The NTP server is set.

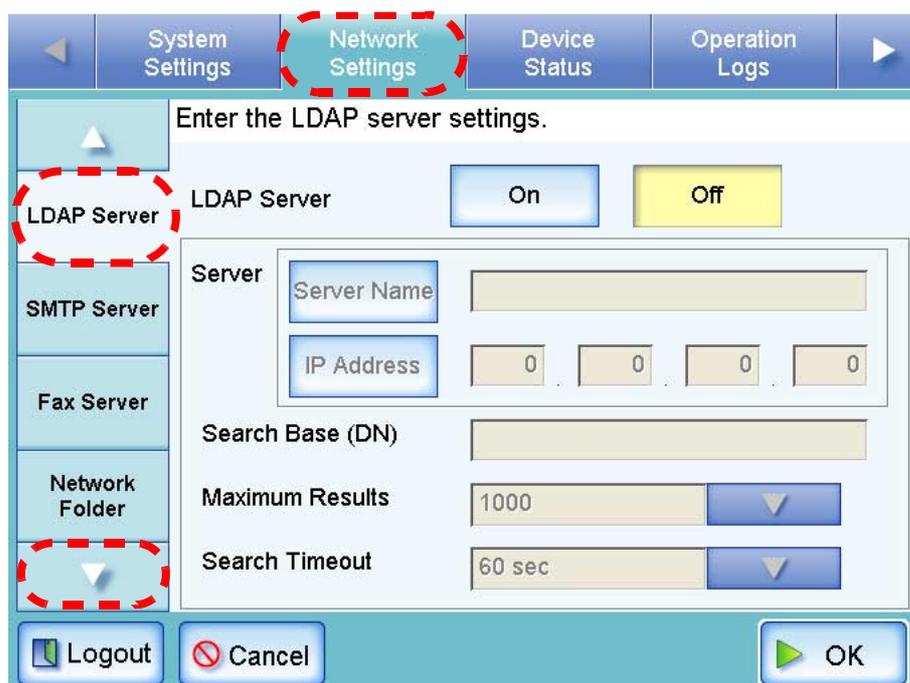


- The system time is automatically synchronized every six hours to that supplied by the NTP server.
- If the [OK] button is pressed without pressing the [Sync Time] button (Step 5), the system time will be synchronized six hours later, not immediately.
- An adjustment that advances the system time by 20 minutes or more results in a session timeout and causes the scanner to logout.

3.6.5 Setting the LDAP Server Touch Web

If a LDAP server is set, user authentication will be checked.

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [LDAP Server] tab appears.
3. Select the [LDAP Server] tab on the left side menu.
⇒ The "LDAP Server" screen appears.



4. Press the [On] button.
When the [Off] button is pressed, the LDAP server will not be used, and no settings can be entered. Press the [OK] button to confirm the LDAP server [Off] setting.

5. For the LDAP server, select whether to set a server name or IP address.
Both the [Server Name] and [IP Address] buttons cannot be selected at the same time.

The screenshot shows the 'Network Settings' menu with the 'LDAP Server' section selected. The 'LDAP Server' status is 'On'. Under the 'Server' section, there are two buttons: 'Server Name' and 'IP Address'. A red dashed circle highlights both buttons. Below these buttons are input fields for 'Search Base (DN)', 'Maximum Results' (set to 1000), and 'Search Timeout' (set to 60 sec). At the bottom, there are 'Logout', 'Cancel', and 'OK' buttons.

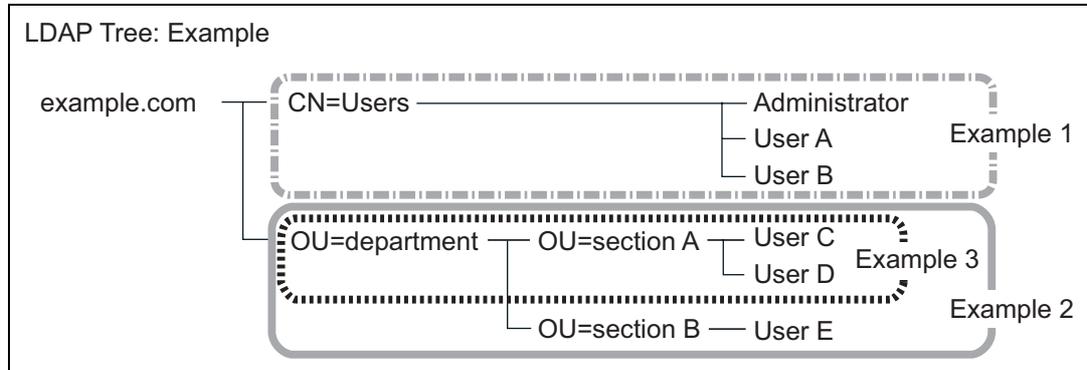
6. Enter the LDAP server name or IP address (selected in Step 5).
 - If the [Server Name] button is selected:
Enter a FQDN or server name in the input field. This may be up to 255 characters long.
 - If the [IP Address] button is selected:
Enter a numerical IP address.

- In the "Search Base (DN)" input field, enter the distinguished name of the LDAP search base.

The character string entered here will be the root under which LDAP entries will be searched for.

This may be up to 255 characters long.

The following examples are of LDAP search bases (for domain name *example.com*). The italic text represents variable character strings.



Example 1: When searching for (administrator, user A, user B)

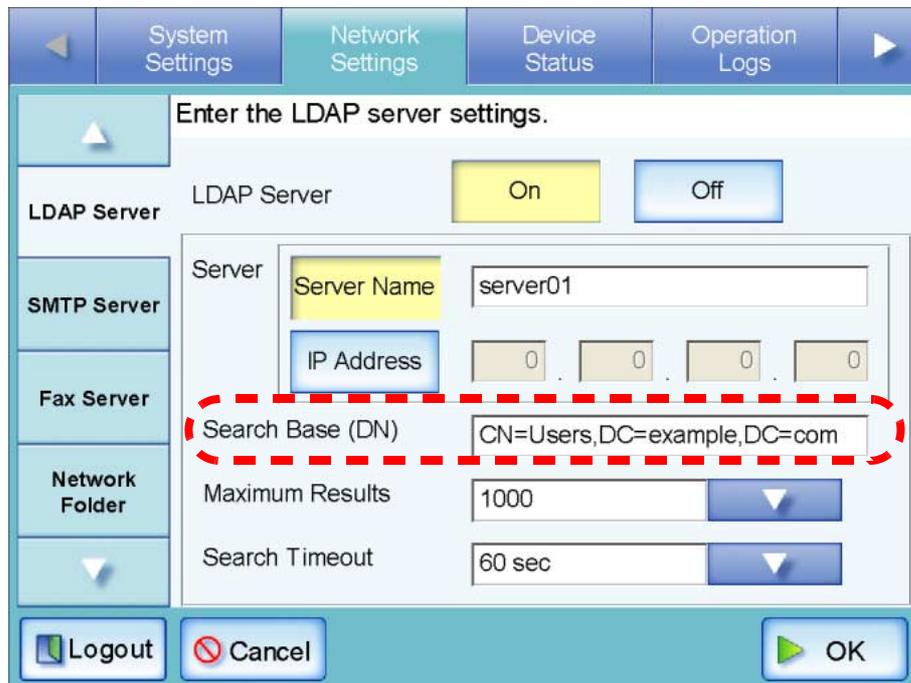
CN=Users,DC=example,DC=com

Example 2: When searching for (user C, user D, user E)

OU=department,DC=example,DC=com

Example 3: When searching for (user C, user D),

OU=section A,OU=department,DC=example,DC=com



- Press the [List] button for the "Maximum Results" input field.
⇒ A list of "number of maximum results" appears.

9. Select the maximum number of results for LDAP List searches.
The default maximum is "1000".

The screenshot shows the 'Network Settings' menu with the following configuration options:

Field	Value
LDAP Server	100
SMTP Server	200
Fax Server	300
Network Folder	400
Server Name	500
IP Address	600
Search Base (DN)	700
Maximum Results	800
Search Timeout	900
Maximum Results (selected)	1000
Search Timeout (selected)	60 sec

Buttons: Logout, Cancel, OK

⇒ The selected "Maximum Results" value is displayed.

10. Press the [List] button for the "Search Timeout" input field.
⇒ A list of "LDAP List search timeout" times appears.

11. Select the LDAP List search timeout delay.

The default time is "60sec".

The screenshot shows a configuration window for LDAP server settings. The window has a navigation bar with four tabs: 'System Settings', 'Network Settings', 'Device Status', and 'Operation Logs'. The main content area is titled 'Enter the LDAP server settings.' and contains several sections:

- LDAP Server:** A dropdown menu with two options: '30 sec' and '60 sec'. The '60 sec' option is highlighted in yellow.
- SMTP Server:** A 'Server' dropdown menu with two options: 'Server Name' and 'IP Address'. The 'Server Name' option is highlighted in yellow.
- Fax Server:** A section with a dropdown menu.
- Network Folder:** A section with a dropdown menu.
- Search Timeout:** A dropdown menu with the value '60 sec' selected.

At the bottom of the window, there are three buttons: 'Logout', 'Cancel', and 'OK'.

⇒ The selected "Search Timeout" value is displayed.

12. Press the [OK] button.

⇒ The LDAP server is set.

3.6.6 Setting the e-Mail Server (SMTP Server) Touch Web

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [SMTP Server] tab appears.
3. Select the [SMTP Server] tab on the left side menu.
⇒ The "SMTP Server" screen appears.

The screenshot displays the 'SMTP Server' configuration screen. At the top, there are four tabs: 'System Settings', 'Network Settings' (which is selected and circled in red), 'Device Status', and 'Operation Logs'. On the left side, there is a vertical menu with four options: 'LDAP Server', 'SMTP Server' (circled in red), 'Fax Server', and 'Network Folder'. Below the 'SMTP Server' menu item is a downward-pointing arrow, also circled in red. The main content area is titled 'Enter the SMTP server settings.' and contains the following fields:

- SMTP Server** (Section Header)
- Server Name**: A text input field.
- IP Address**: A numeric input field showing '0 . 0 . 0 . 0'.
- Maximum Attachment Size**: A numeric input field showing '1' followed by 'MB (1 << 10)'.

At the bottom of the screen, there are three buttons: 'Logout', 'Cancel', and 'OK'.

- For the SMTP server, select whether to set a server name or IP address.
Both the [Server Name] and [IP Address] buttons cannot be selected at the same time.

Enter the SMTP server settings.

LDAP Server

SMTP Server

Fax Server

Network Folder

SMTP Server

Server Name

IP Address

0 . 0 . 0 . 0

Maximum Attachment Size 1 MB (1 << 10)

Logout Cancel OK

- Enter the SMTP server or IP address (selected in Step 4).
 - If the [Server Name] button is selected:
Enter a FQDN or server name in the input field. This may be up to 255 characters long. If the SMTP server setting is not required, leave the field blank.
 - If the [IP Address] button is selected:
Enter a numerical IP address.
If the SMTP server setting is not required, enter "0.0.0.0".
- Set the "Maximum Attachment Size" for e-mails. This may be between one and ten MB.
The default size is "1MB".
- Press the [OK] button.
⇒ The SMTP server is set.

3.6.7 Setting the Fax Server Touch Web

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Fax Server] tab appears.
3. Select the [Fax Server] tab on the left side menu.
⇒ The "Fax Server" screen appears.



-
4. Enter a monitored fax server (Right Fax) e-mail address in the "Fax Server e-Mail Address" field.

This may be up to 255 characters long. One of the following e-mail address formats must be used:

- *XXXXXXXX@IP_address*
- *XXXXXXXX@Host_name*
- *XXXXXXXX@Domain_name*

<i>XXXXXXXX</i>	Comprised of alphanumeric, hyphens (-), periods (.) and underscores (_).
<i>IP_address</i>	Comprised of numbers separated by periods (.). IP addresses within the following ranges may be used: 1.0.0.1 - 126.255.255.254 128.0.0.1 - 191.255.255.254 192.0.0.1 - 223.255.255.254
<i>Host_name</i>	Comprised of alphanumeric and hyphens (-) only. Initial character may not be a hyphen.
<i>Domain_name</i>	Name elements comprised of alphanumeric and hyphens (-) are separated by periods (.). Each name element may contain up to 63 characters, and only alphabetic characters may be used for the last element.

If the fax server setting is not required, leave the field blank.

5. Press the [OK] button.
⇒ The fax server is set.

3.6.8 Setting the Network Folders (File Servers) Touch Web

■ Registering a Network Folder

Up to 100 network folders can be registered.



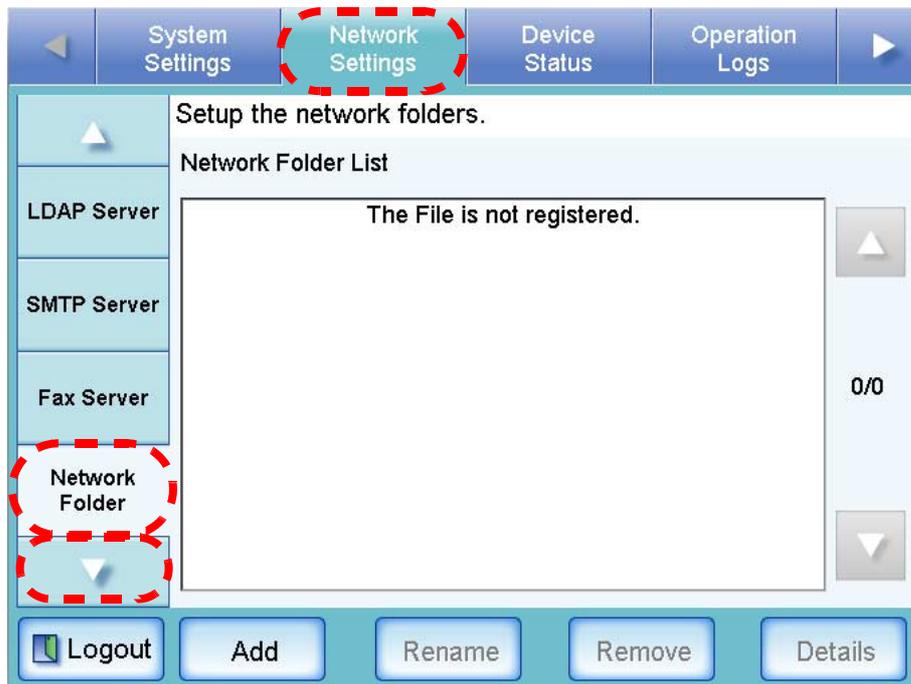
Note the following when registering a network folder.

- The network folder is registered as a network path. If the network folder is on a Windows file server and the length of the full Windows path including the file name exceeds 259 characters, the scan data will not be saved. Before registering a (Windows) network folder, check that the length of the full file path+name is not likely to exceed 259 characters.
- If the selected folder was created using a language foreign to that of the browsing operating system, the network folder may not register correctly. If the name of the network folder contains unrecognizable characters, check the codeset used.
- If the number folders to be displayed is large, they may take a long time to appear.

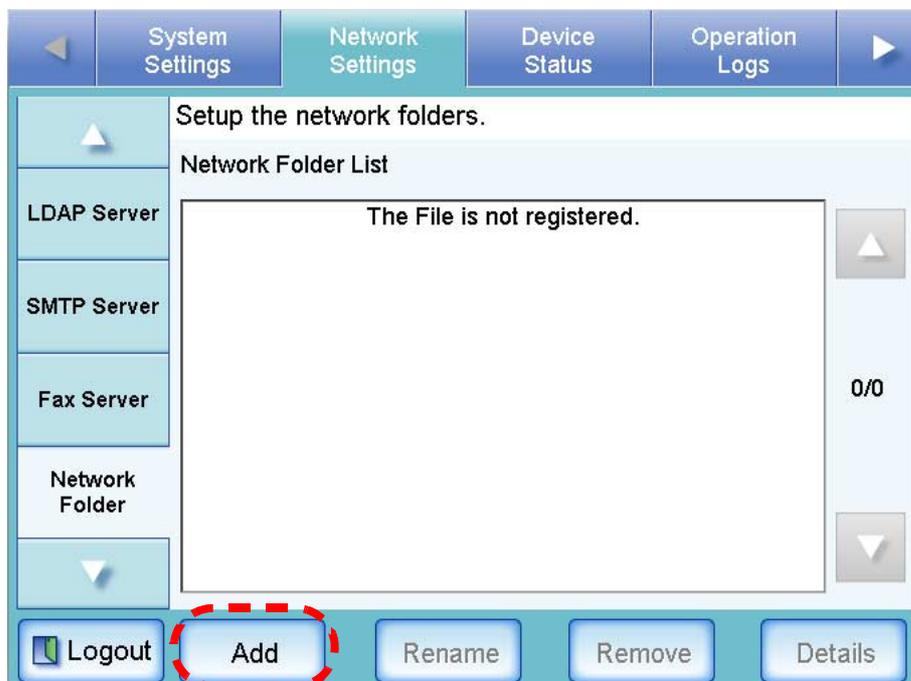


1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Network Folder] tab appears.

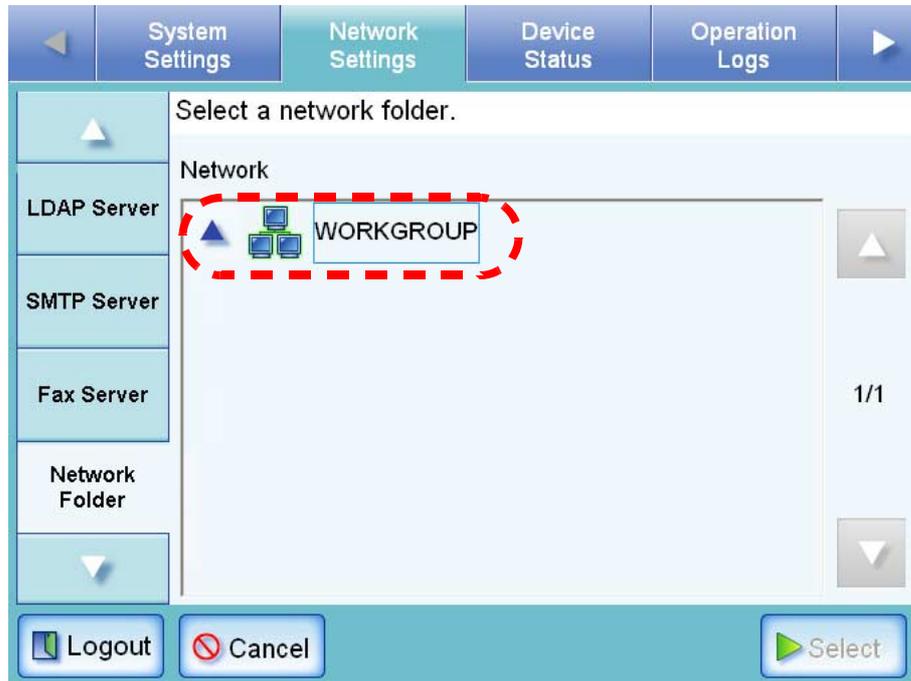
3. Select the [Network Folder] tab on the left side menu.
⇒ The "Network Folder" screen appears.



4. Press the [Add] button.
⇒ The screen for adding a network folder is displayed.



5. Select a domain .



⇒ If login is required, an "Authentication" screen appears.

1. Enter a User Name.
This may be up to 256 characters long.
2. Enter a Password.
This may be up to 256 characters long.
3. Press the [OK] button.
⇒ When the user name and password are valid, or if login is not required, the network tree expands and computer names are displayed under the selected domain.

6. Select a computer .

⇒ If login is required, an "Authentication" screen appears.

1. Enter a User Name.

This may be up to 256 characters long.

2. Enter a Password.

This may be up to 256 characters long.

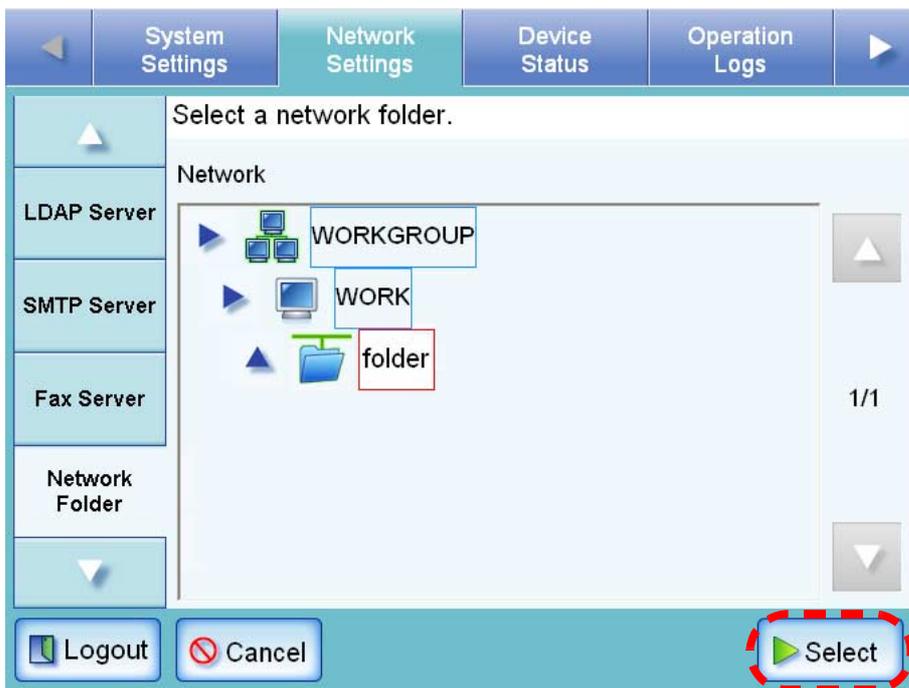
3. Press the [OK] button.

⇒ When the user name and password is valid, or if login is not required, the network tree expands and network folders are displayed under the selected computer name.

7. Select a network folder .

The selected folder will be opened to show any sub-folders, which themselves may be selected in turn (up to seven levels deep, including the parent domain).

8. Press the [Select] button.

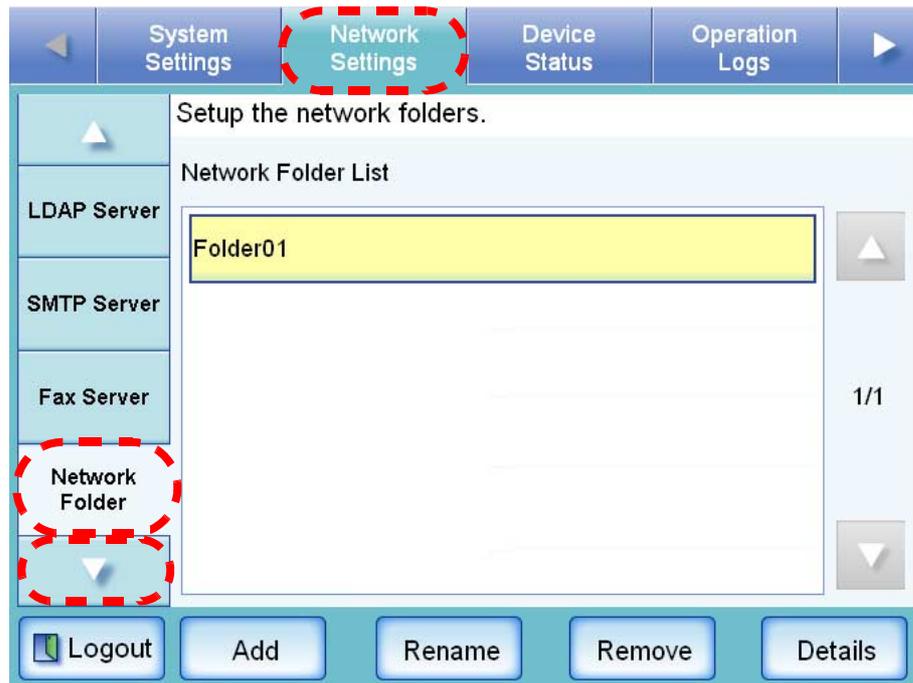


⇒ The selected network folder is added.

- HINT** 
- The default network folder alias will be the same as the alias selected from the network tree. For details on changing the folder alias, refer to "Renaming a Network Folder" (page 78).
 - Select a readable and writable network folder.
 - The "Caps Lock" and "Num Lock" indicators are shown when the administrator logs in via the scanner's touch panel.
The "Caps Lock" indicator is on if the keyboard's Caps Lock is set.
The "Num Lock" indicator is on if the keyboard's Num Lock is set.
 - The "Network" tree can contain up to 400 domain, computer, and network folder items. However, screen response may slow down when the number of items exceed 150. Close unneeded items.

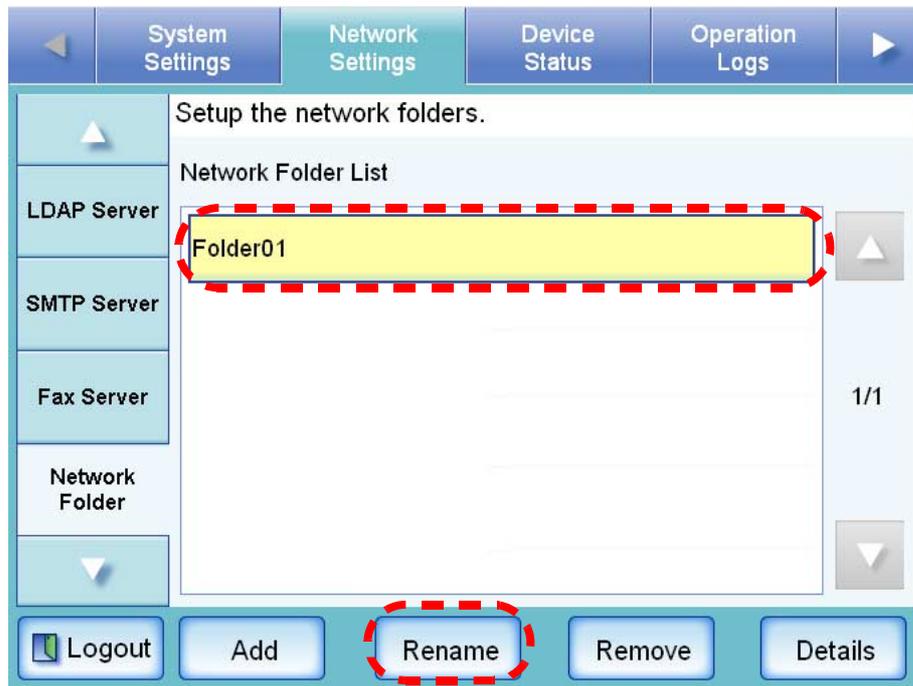
■ Renaming a Network Folder

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Network Folder] tab appears.
3. Select the [Network Folder] tab on the left side menu.
⇒ The "Network Folder" screen appears.



4. Select the network folder that is to be renamed.

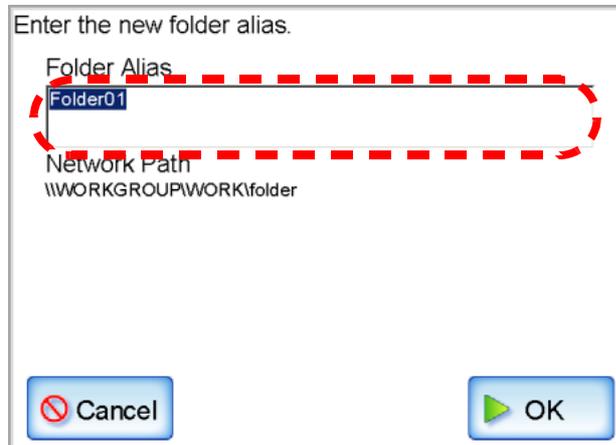
- Press the [Rename] button.



⇒ The screen for renaming a network folder is displayed.

- Enter a folder alias.

This may be up to 80 characters long. The folder alias may not contain backslashes (\). Trailing spaces are truncated, so a spaces-only alias is not allowed.

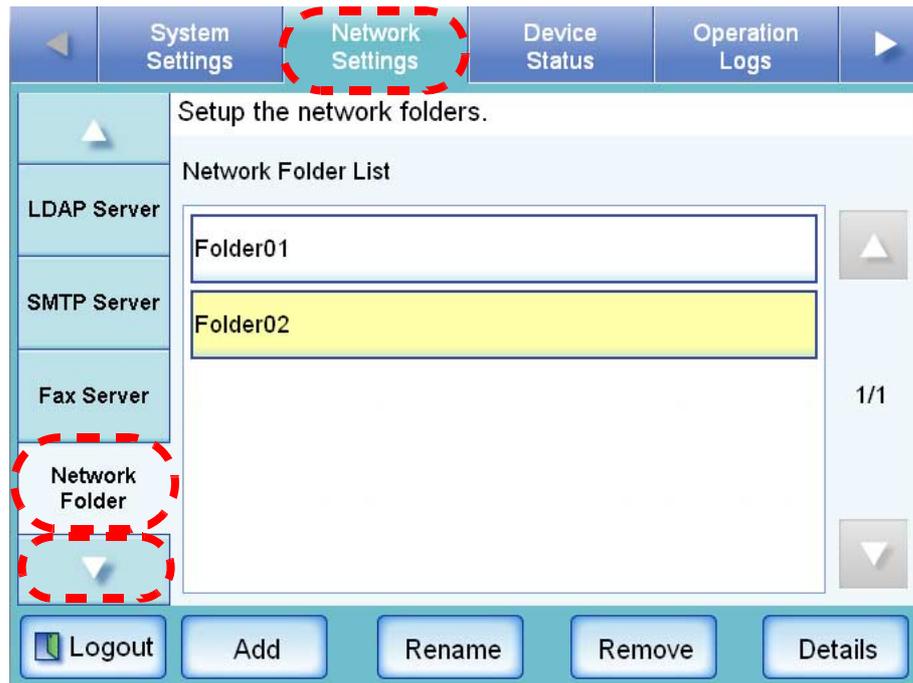


- Press the [OK] button.

⇒ The network folder is renamed.

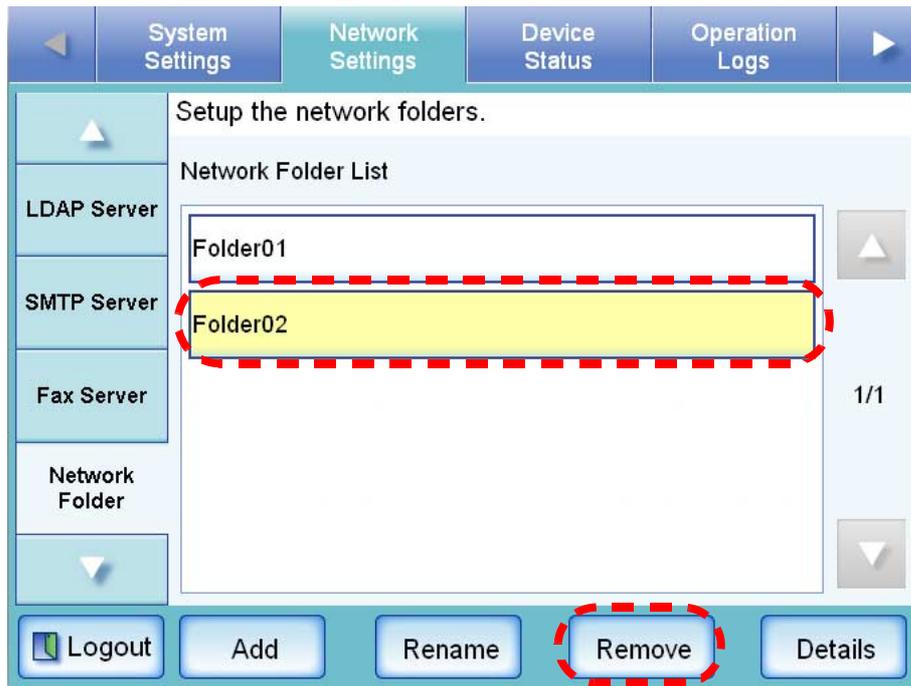
■ Removing a Network Folder

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Network Folder] tab appears.
3. Select the [Network Folder] tab on the left side menu.
⇒ The "Network Folder" screen appears.



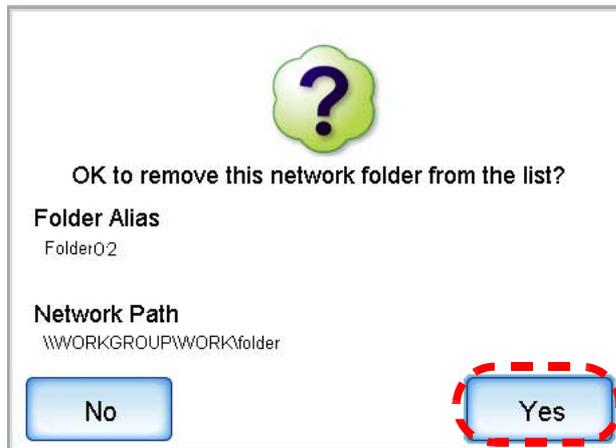
4. Select the network folder that is to be removed from the folder list.

5. Press the [Remove] button.



⇒ The screen for removing a network folder is displayed.

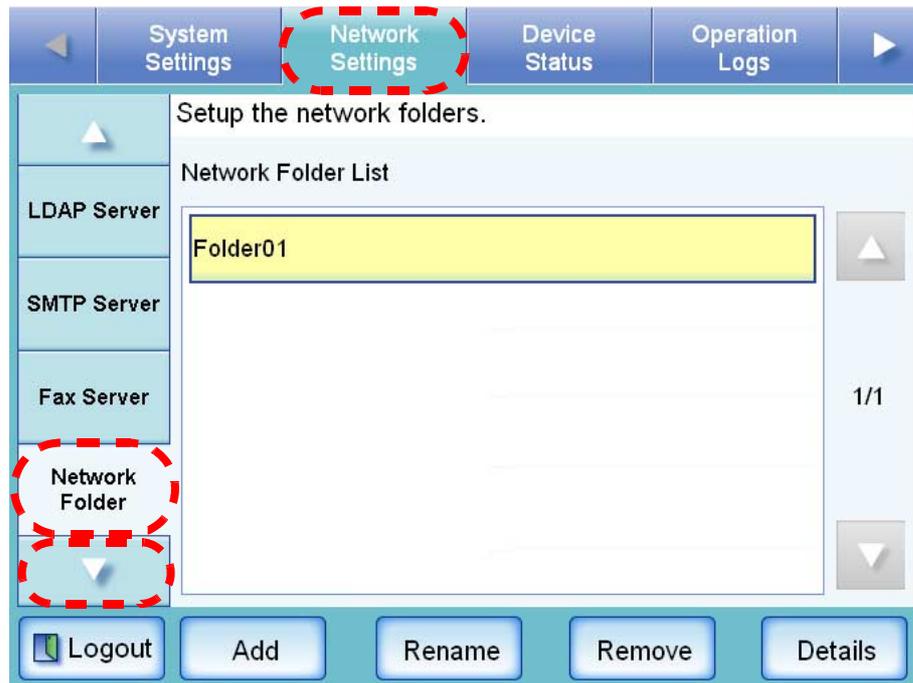
6. Confirm the details of the network folder that is to be removed are correct, and press the [Yes] button.



⇒ The selected network folder is removed from the network folders list.

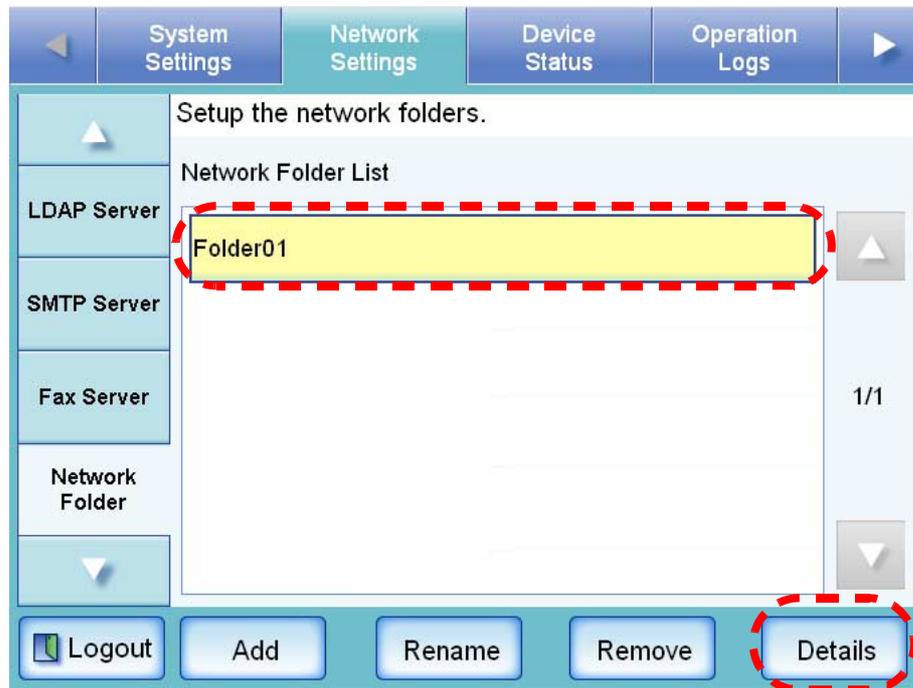
■ Viewing the Network Folder Details

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Network Folder] tab appears.
3. Select the [Network Folder] tab on the left side menu.
⇒ The "Network Folder" screen appears.

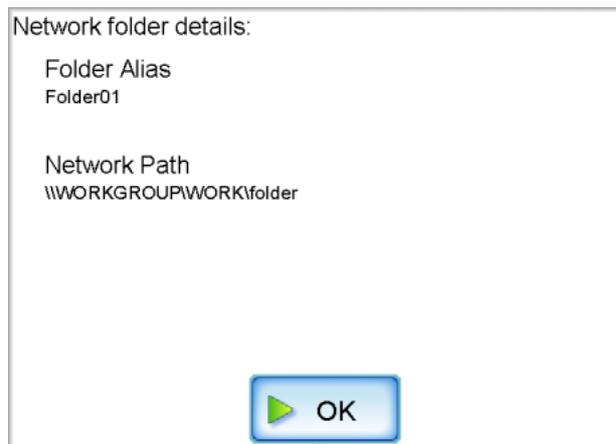


4. Select the desired network folder from the folder list.

5. Press the [Details] button.



⇒ The information for the selected network folder is displayed.



3.6.9 Setting the Destination for Alert Notifications Touch Web

An e-mail address can be specified to which an alert notification will be sent whenever a scanner alert situation occurs.

It is necessary to set a SMTP server before alert notifications can be sent. For more details about how to set an SMTP server, refer to "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69). When the destination for alert notification is set, alert notification messages will be sent to the registered e-mail address in the following title.

Network Scanner (Scanner Name: xxxx) Alert Notification message
For more details, refer to "C.1.3 Alert Monitor System Log Messages" (page 287).

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Alert Notification] tab appears.
3. Select the [Alert Notification] tab on the left side menu.
⇒ The "Alert Notification" screen appears.



4. Enter an e-mail address to which the alert notification will be sent.

This may be up to 255 characters long. One of the following e-mail address formats must be used:

- *XXXXXXXX@IP_address*
- *XXXXXXXX@Host_name*
- *XXXXXXXX@Domain_name*

<i>XXXXXXXX</i>	Comprised of alphanumerics, hyphens (-), periods (.) and underscores (_).
<i>IP_address</i>	Comprised of numbers separated by periods (.). IP addresses within the following ranges may be used: 1.0.0.1 - 126.255.255.254 128.0.0.1 - 191.255.255.254 192.0.0.1 - 223.255.255.254
<i>Host_name</i>	Comprised of alphanumerics and hyphens (-) only. Initial character may not be a hyphen.
<i>Domain_name</i>	Name elements comprised of alphanumerics and hyphens (-) are separated by periods (.). Each name element may contain up to 63 characters, and only alphabetic characters may be used for the last element.

5. To confirm that the entered e-mail address is valid, press the [Test] button.

Check that the test mail successfully arrives at the expected e-mail address.

6. Press the [OK] button.

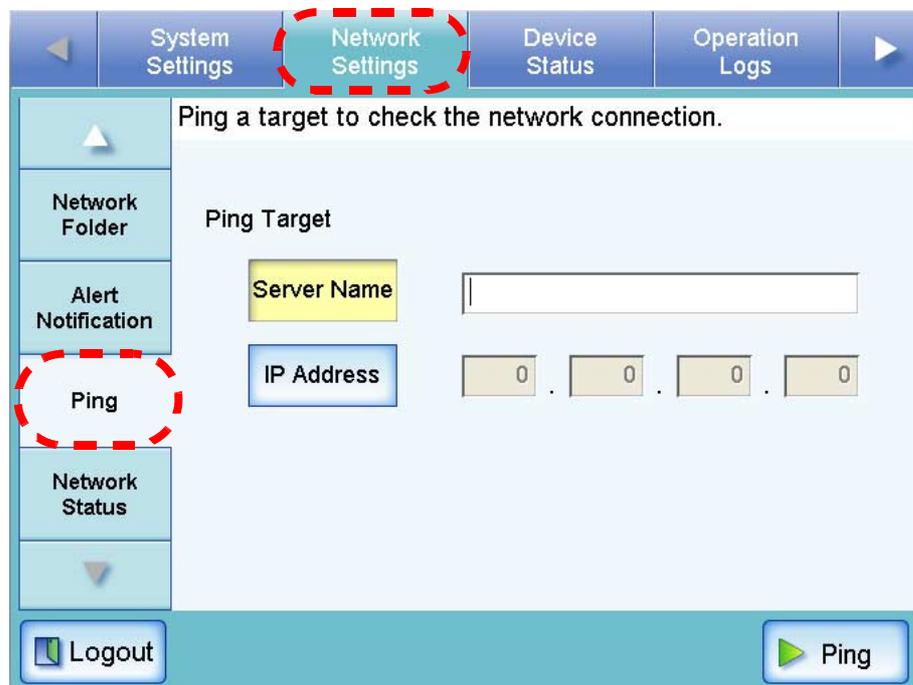
⇒ The destination for alert notifications is set.

3.6.10 Checking the Network Connection with a Ping Test

Touch Web

The network connection can be checked using a ping test.

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Ping] tab appears.
3. Select the [Ping] tab on the left side menu.
⇒ The "Ping" screen appears.



4. For the target server, select whether to set a server name or IP address.
Both the [Server Name] and [IP Address] buttons cannot be selected at the same time.

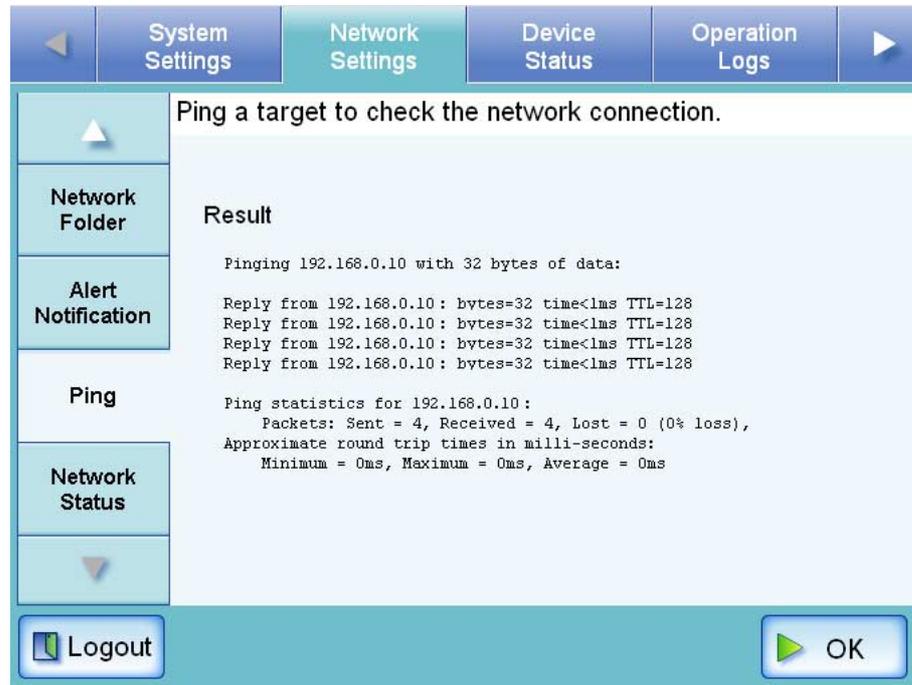
The screenshot shows a web-based interface for configuring network settings. At the top, there are four tabs: 'System Settings', 'Network Settings' (which is active), 'Device Status', and 'Operation Logs'. Below the tabs is a sidebar menu with options: 'Network Folder', 'Alert Notification', 'Ping', and 'Network Status'. The main content area is titled 'Ping a target to check the network connection.' and contains a 'Ping Target' section. In this section, there are two buttons: 'Server Name' (highlighted in yellow and circled with a red dashed line) and 'IP Address' (highlighted in blue). To the right of these buttons are two input fields: a text box for the server name and a numeric input field for the IP address, currently showing '0.0.0.0'. At the bottom of the interface, there is a 'Logout' button on the left and a 'Ping' button on the right.

5. Enter the target server name or IP addresses (selected in Step 4).
 - If the [Server Name] button is selected:
Enter a Fully Qualified Domain Name (FQDN) or server name in the input field. This may be up to 255 characters long.
 - If the [IP Address] button is selected:
Enter a numerical IP address.

6. Press the [Ping] button.

⇒ A ping test is performed and the results are displayed.

For more details about the result, refer to "Checking basic network operation with a Ping test" (page 234).



3.6.11 Checking the Network Operating Status Touch Web

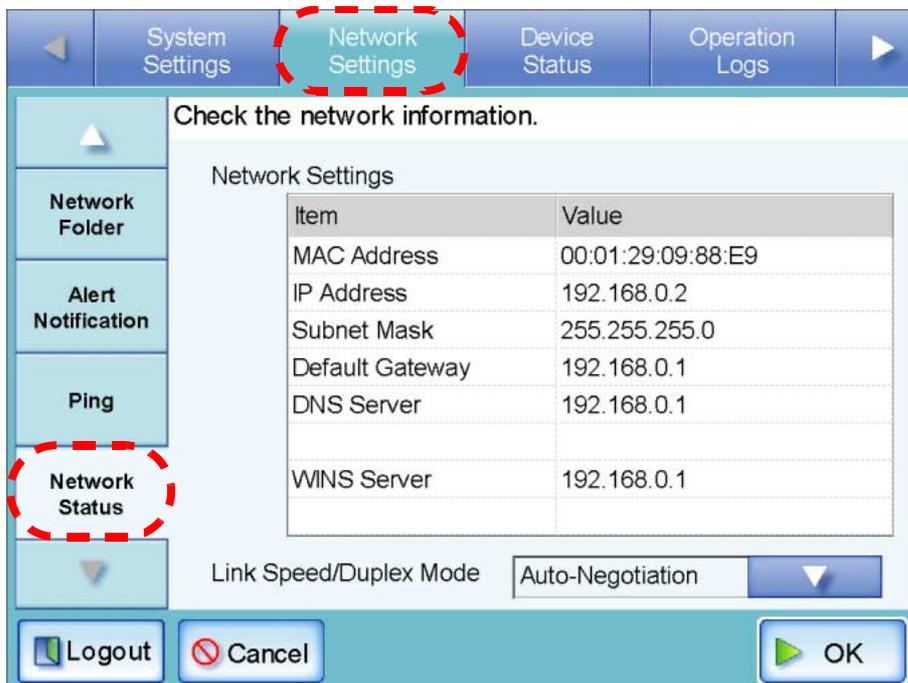
The operating status of the network can be checked.

The following information is shown. If the information is not shown, refer to "6.3 Network Connection Troubleshooting" (page 234) and check the settings.

The following information is shown.

- MAC Address
- IP Address
- Subnet Mask
- Default Gateway
- DNS Server IP Address
- WINS Server IP Address

1. Select the [Network Settings] tab on the top menu.
2. Press the [Down] button on the left side menu.
⇒ Scroll the left side menu down until the [Network Status] tab appears.
3. Select the [Network Status] tab on the left side menu.
⇒ The "Network Status" screen shows the status of the currently operating network connection.





- If connection to LDAP server is not possible, try the following steps:
 1. Disconnect the LAN cable and turn the scanner off.
 2. Reboot the scanner with the LAN cable still disconnected, and enter a nonduplicate IP address.
 3. Re-connect the LAN cable to the scanner.
- If the DHCP server cannot be reached when DHCP is set to [On], the IP Address is set to "169.254.XXX.YYY" (where XXX and YYY are arbitrary values between 0 and 255).
- If the status of the network connection is correct but the network is not communicating properly, change the [Link Speed/Duplex Mode] from "Auto-Negotiation" to a fixed mode.

Check the network information.

Item	Auto-Negotiation
MAC Address	
IP Address	100Mbps-Full
Subnet Mask	100Mbps-Half
DNS Server	10Mbps-Full
WINS Server	10Mbps-Half

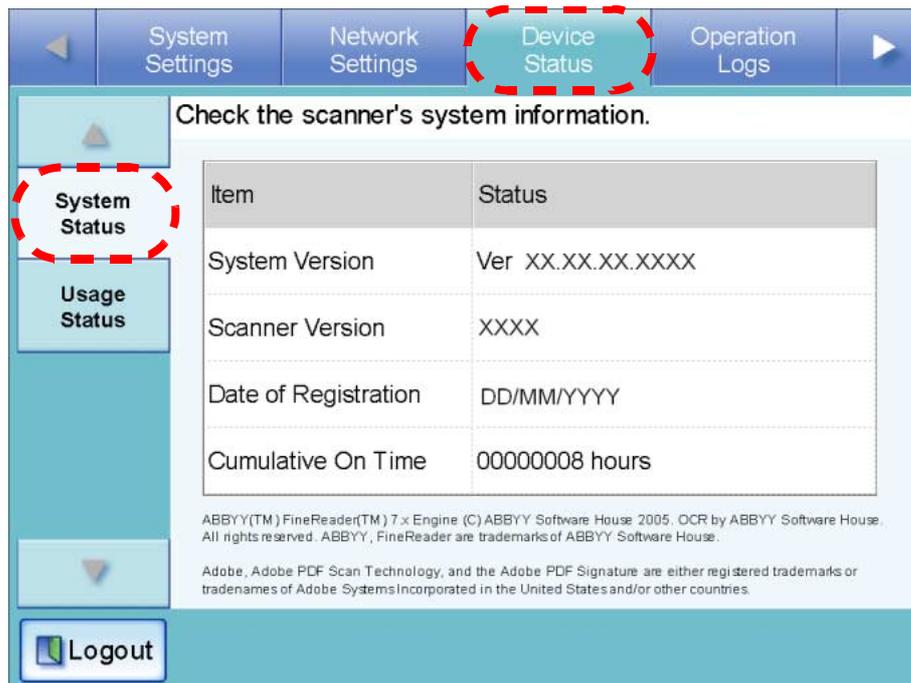
Link Speed/Duplex Mode: Auto-Negotiation

Logout Cancel OK

3.7 Using the Device Status Menus

3.7.1 Viewing the System Status Touch Web

1. Select the [Device Status] tab on the top menu.
2. Select the [System Status] tab on the left side menu.
⇒ The system status information is displayed.



The following system status information is available.

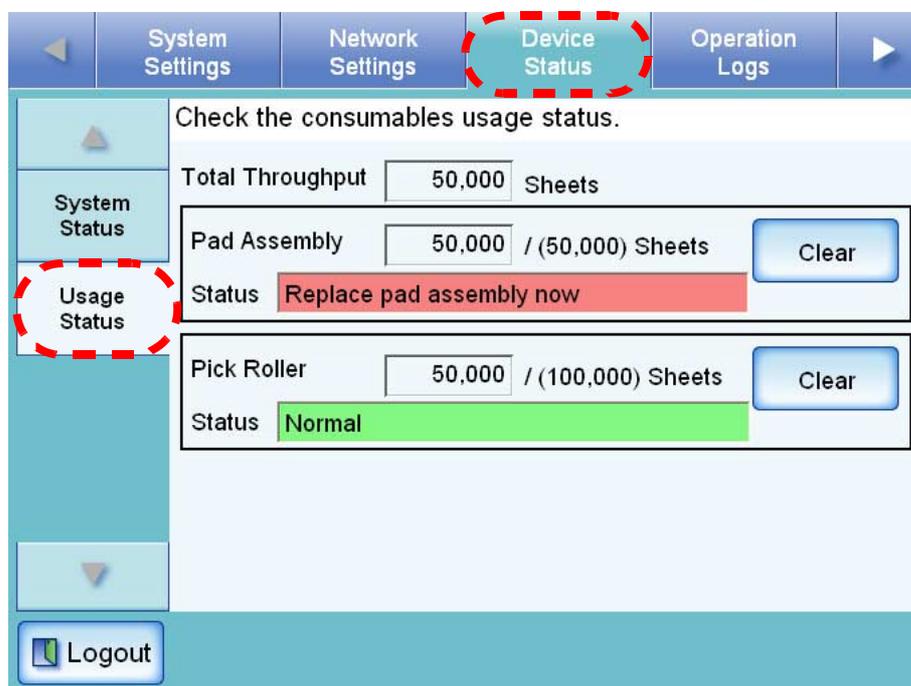
Info	Details
System Version	Shows the current scanner system version number.
Scanner Version	Shows the current scanner firmware version number.
Date of Registration	Shows the date on which the scanner was first used.
Cumulative On Time	Shows the total elapsed usage time of the scanner.

3.7.2 Viewing the Usage Status Touch Web

Information about the number of documents that have been scanned and the status of the scanner's consumable parts (pad assembly or pick roller) can be viewed.
For details on consumable replacement, refer to "5.5 Replacing Parts" (page 218).

■ Viewing the Status of Consumable Parts

1. Select the [Device Status] tab on the top menu.
2. Select the [Usage Status] tab on the left side menu.
⇒ The "Usage Status" screen appears.



The "Status" fields show the total number of pages scanned and the current conditions of the pad assembly or pick roller.

"Total Throughput" is shown in units of 10 sheets scanned.

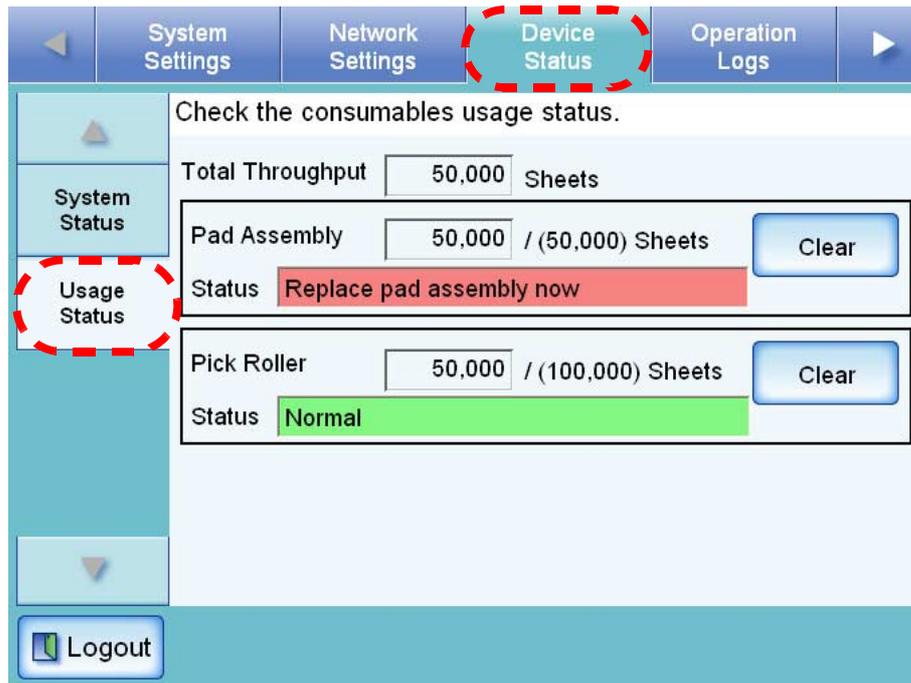
"Pad Assembly" and "Pick Roller" are shown in units of 500 sheets scanned.

Consumables	Color	Status	Action
Pad Assembly	Green	Total throughput: 0 to 44,999 sheets	No action required.
	Orange	Total throughput: 45,000 to 49,999 sheets	Pad assembly needs to be replaced soon. Obtain a replacement part.
	Red	Total throughput: Over 50,000 sheets	Pad assembly has passed its rated lifetime and needs to be replaced.
Pick Roller	Green	Total throughput: 0 to 94,999 sheets	No action required.
	Orange	Total throughput: 95,000 to 99,999 sheets	Pick roller needs to be replaced soon. Obtain a replacement part.
	Red	Total throughput: Over 100,000 sheets	Pick roller has passed its rated lifetime and needs to be replaced.

■ Resetting the Usage Counter

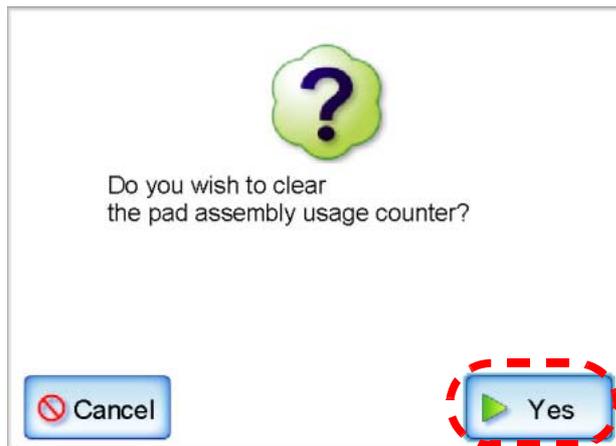
After part replacement, the usage counter can be reset to return the part status to normal. For more details about replacing consumable parts, refer to ""5.5 Replacing Parts" (page 218)".

1. Select the [Device Status] tab on the top menu.
2. Select the [Usage Status] tab on the left side menu.
⇒ The "Usage Status" screen appears.

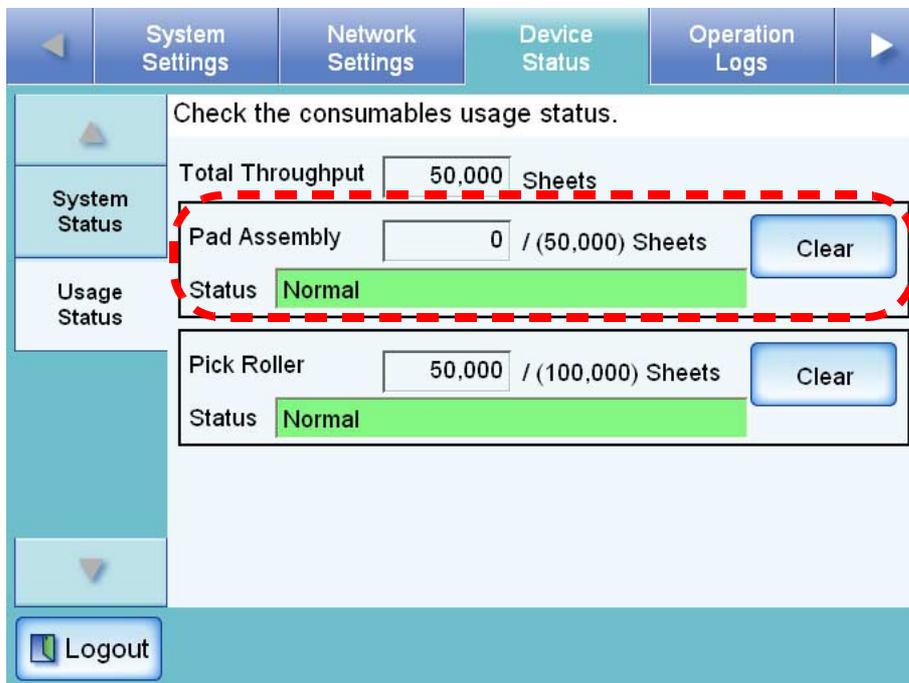


3. Press the [Clear] button for the part replaced.
⇒ The counter reset confirmation screen appears.

4. Press the [Yes] button.



⇒ The counter value is reset to "0", and the "Status" field turns green again.



The following information is shown.

Info	Info options	Description
Date	MM/dd/yyyy dd/MM/yyyy yyyy/MM/dd	Shows the date of each operation (format specified on the Date/Time screen is used). For more details, refer to "3.5.4 Setting the Date/Time" (page 44).
Time	HH:mm:ss	Shows the time of each operation.
User	xxxxxxxxxxxxxxxx	Shows the name of the user.
Result	In Progress	Currently processing a scan operation.
	OK	Operation completed successfully.
	Error	Operation failed to complete successfully.
Code	xxxxxxx	Shows a code for each operation. If a response is required, refer to "Appendix C Operation Messages" (page 269).
Operation	e-Mail	The scanned data is sent as an e-mail attachment.
	Fax	The scanned data is sent as a fax.
	Save	Scanned data is saved in a network folder.
Pages	xxx	Shows the number of pages scanned.
Description	xxxxxxxxxxxxxxxx	Shows detailed information for each message.

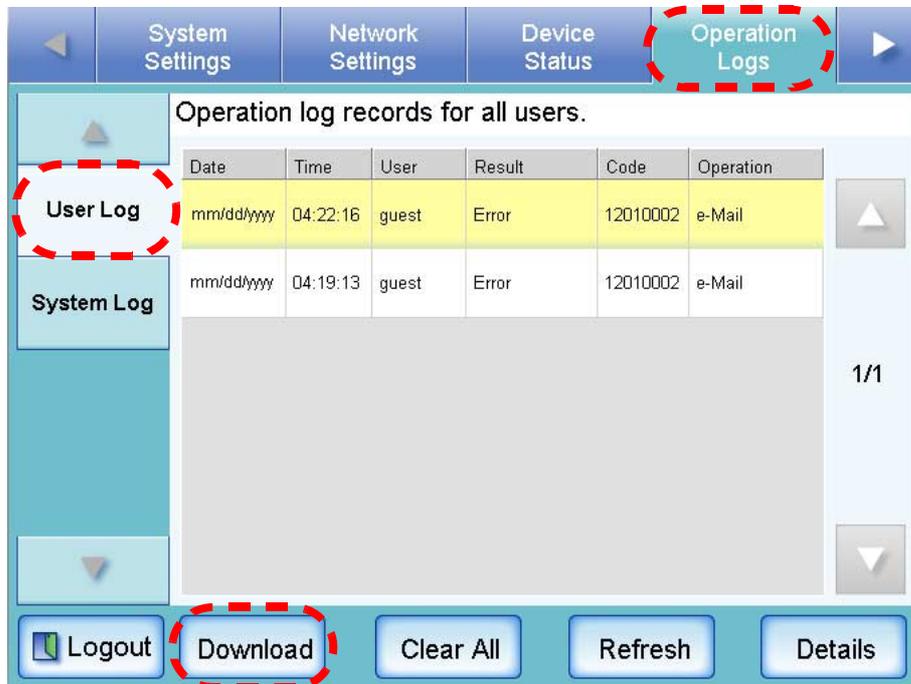
■ Downloading the User Logs in CSV Format Web

Operation logs for regular users are stored in the scanner with the default file name "Operation.csv".

When downloaded to a computer, the file will contain CSV format data. The file is saved in the following form:

```
"Date","Time","User","Result","Code","Operation","Pages","Description"
```

1. Select the [Operation Logs] tab on the top menu.
2. Select the [User Log] tab on the left side menu.
⇒ The "User Log" screen appears.
3. Press the [Download] button.

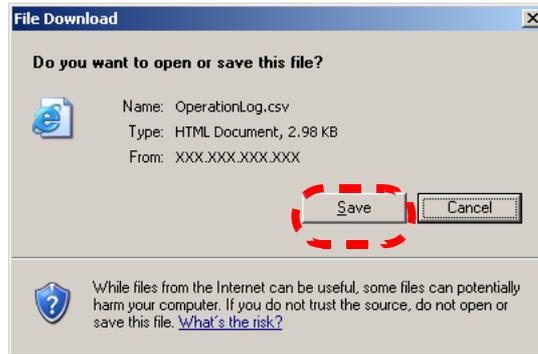


⇒ The "File Download" dialog box appears.

4. Press the [Save] button.



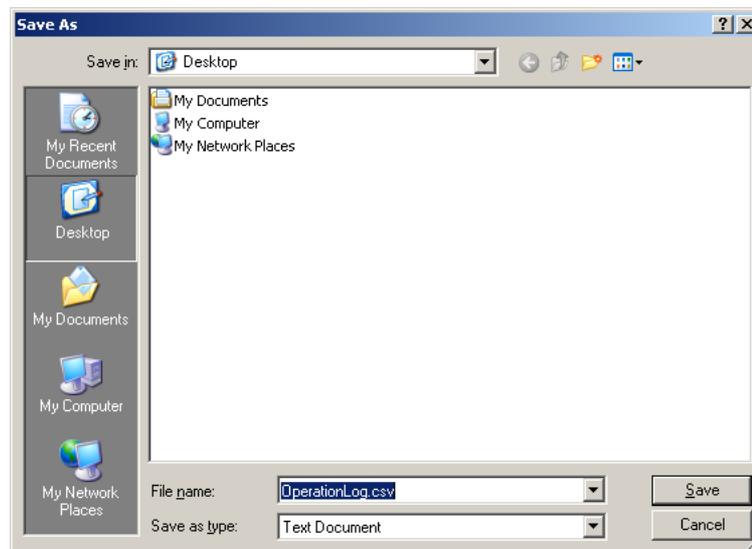
The size of the user log file is displayed in the "File Download" screen. Make sure there is enough free space on the disk where it is to be saved and press the [Save] button.



⇒ The "Save As" dialog box appears.

5. Enter a file name.

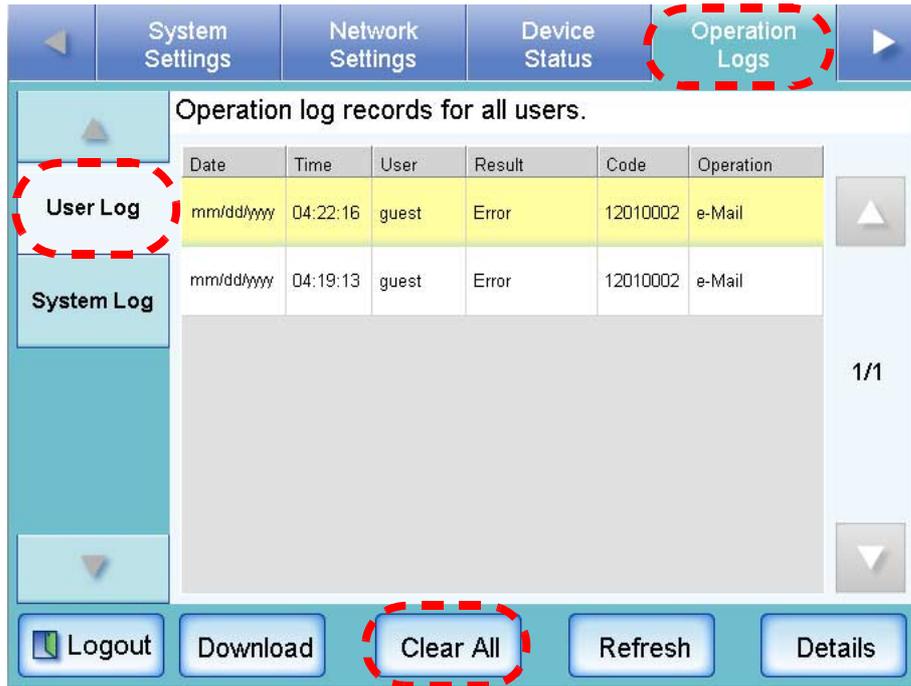
The file will contain CSV format data.



6. Press the [Save] button.

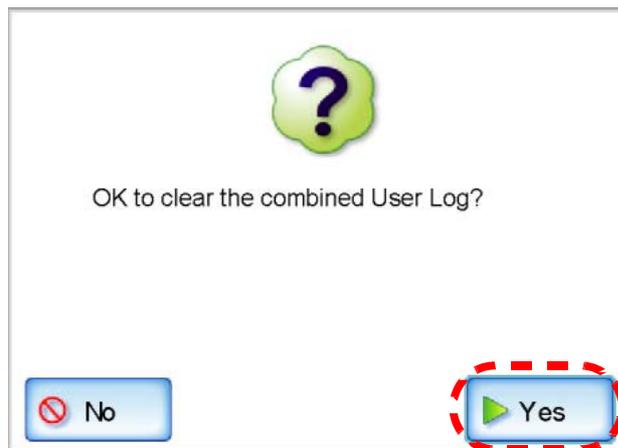
■ Clearing the User Logs Touch Web

1. Select the [Operation Logs] tab on the top menu.
2. Select the [User Log] tab on the left side menu.
⇒ The "User Log" screen appears.
3. Press the [Clear All] button.



⇒ The "clear all" confirmation screen appears.

4. Press the [Yes] button.



⇒ All the user operation logs are cleared.

3.8.2 Managing the System Log

Up to 1,000 system information logs (such as for startup, shutdown, and system errors) are saved in the scanner.



- System log may contain private information such as e-mail addresses or fax numbers, so care should be taken when managing such data.
- If a log file error is detected during system operation, the log file will be cleared and the following log entry recorded:
Error 81001004 Corrupted user log file was deleted.

■ Viewing the System Log Details Touch Web

The system log summary is shown in date/time order.

Even if the [Region/Timezone] or [Date/Time] settings are changed, the order of the log entries will not be changed.

1. Select the [Operation Logs] tab on the top menu.
2. Select the [System Log] tab on the left side menu.
⇒ The "System Log" screen appears.

Date	Time	Type	Message
mm/dd/yyyy	09:38:40	Information	01000001 (IP Address) Settings were changed. Info: DHCP = Off, IP Address = 192.168....
mm/dd/yyyy	09:36:09	Information	01000001 (IP Address) Settings were changed. Info: DHCP = Off, IP Address = 192.168....
mm/dd/yyyy	09:32:35	Warning	01121001 Starting up...
mm/dd/yyyy	09:24:50	Warning	01131001 Shutting down...
mm/dd/yyyy	09:22:54	Information	01000001 (IP Address) Settings were changed. Info: DHCP = Off, IP Address = 10.234.1...
mm/dd/yyyy	09:19:29	Warning	01121001 Starting up...

■ Downloading the System Log in CSV Format Web

The default file name is "SystemLog.csv".

When downloaded to a computer, the file will contain CSV format data. The file is saved in the following form:

```
"Date","Time","Type","Message"
```

1. Select the [Operation Logs] tab on the top menu.
2. Select the [System Log] tab on the left side menu.
⇒ The "System Log" screen appears.
3. Press the [Download] button.

The screenshot shows a web interface for system logs. At the top, there are navigation tabs: System Settings, Network Settings, Device Status, and Operation Logs (which is highlighted with a red dashed circle). Below the tabs is a sidebar with 'User Log' and 'System Log' (also highlighted with a red dashed circle). The main area displays 'System operation log records.' with a table containing columns for Date, Time, Type, and Message. The table has 7 rows of log entries. At the bottom, there are five buttons: Logout, Download (highlighted with a red dashed circle), Clear All, Refresh, and Details.

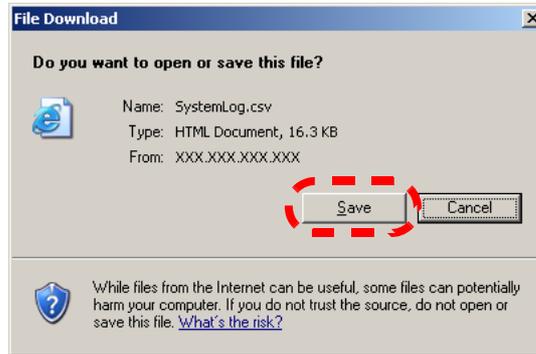
Date	Time	Type	Message
mm/dd/yyyy	09:38:40	Information	01000001 (IP Address) Settings were changed. Info: DHCP = Off, IP Address = 192.168....
mm/dd/yyyy	09:36:09	Information	01000001 (IP Address) Settings were changed. Info: DHCP = Off, IP Address = 192.168....
mm/dd/yyyy	09:32:35	Warning	01121001 Starting up...
mm/dd/yyyy	09:24:50	Warning	01131001 Shutting down...
mm/dd/yyyy	09:22:54	Information	01000001 (IP Address) Settings were changed. Info: DHCP = Off, IP Address = 10.234.1...
mm/dd/yyyy	09:19:29	Warning	01121001 Starting up...

⇒ The "File Download" dialog box appears.

4. Press the [Save] button.



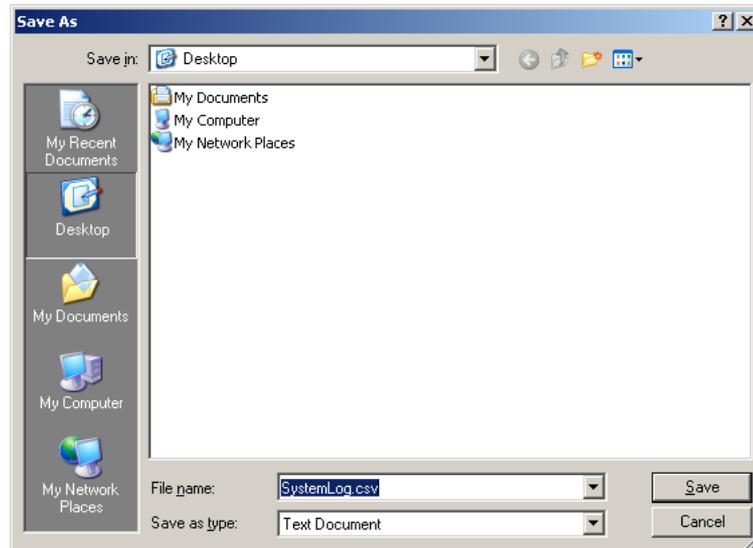
The size of the user log file is displayed in the "File Download" screen. Make sure there is enough free space on the disk where it is to be saved and press the [Save] button.



⇒ The "Save As" dialog box appears.

5. Enter a file name.

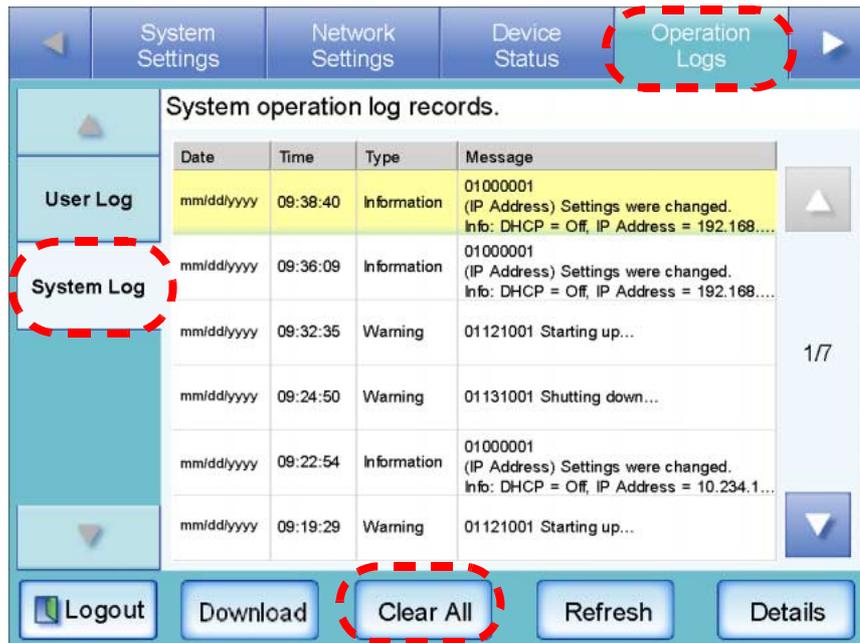
The file will contain CSV format data.



6. Press the [Save] button.

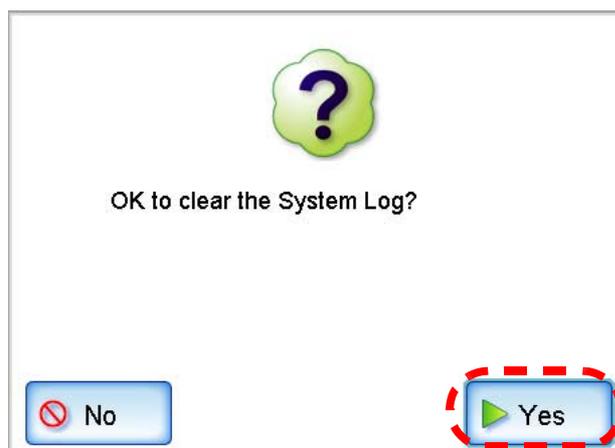
■ Clearing the System Log Touch Web

1. Select the [Operation Logs] tab on the top menu.
2. Select the [System Log] tab on the left side menu.
⇒ The "System Log" screen appears.
3. Press the [Clear All] button.



⇒ The "clear all" confirmation screen appears.

4. Press the [Yes] button.



⇒ The system log is cleared.

3.9 Using the Maintenance Menus

3.9.1 Maintaining the User Data Store Web

The scanner's user data store can be backed-up, restored, and deleted.

The user data store contains the following information:

- Fax Number List (one per scanner)
- "My List" e-Mail Address Books (one per user)
- Scan Settings (for each user)
- User Logs (for each user)

Scanner login user names are authenticated with the LDAP server, and when a new name is encountered, the scanner automatically adds an entry for that user to the user data store. The user data store may contain up to 1,000 users.



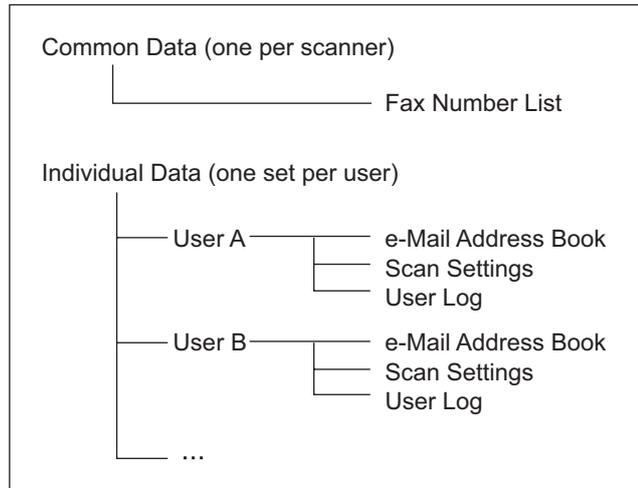
- Once 1,000 user names have been used to login, new user logins are no longer possible until the entire user data store is cleared. Refer to "Clearing the User Data Store" (page 114) for details.
It is recommended that the user data store be backed up before it is cleared.
- When restoring from a user data store backup, if a backed up user name corresponds to that of an existing user in the current user data store, the backup user data will overwrite the current user data. If the backed up user name is "unknown", the backed up data will be added as a "new" user. Addition of new users cannot cause the 1,000 user limit to be exceeded, or the user data store restoration will fail.
- When the User Data Store is restored from a backup, the Fax Number List is also reverted to its old state.

The following example illustrates how the number of users could exceed 1,000:

1. 100 users (A001 to A100) log in.
2. The user data store is backed up (with 100 users: A001 to A100).
3. The user data store (containing users A001 to A100) is cleared.
4. 960 "new" users (A001 to A050 and B001 to B910) login.

5. The user data store (containing users A001 to A100) backed up in Step 2 is restored.
 - ⇒ Users A001 to A100 are to be restored, of whom 50 are already in the current user data store (users A001 to A050) and so will be overwrite targets.
 - ⇒ Users A051 to A100 are considered "new" users and thus need to be added to the user data store. However 960 existing users + 50 new users = 1010 users.
 - ⇒ As the number of users would exceed the 1,000 user limit, the Step 2 user data store (containing users A001 to A100) is not restored.

The user data store contents are organized as follows:

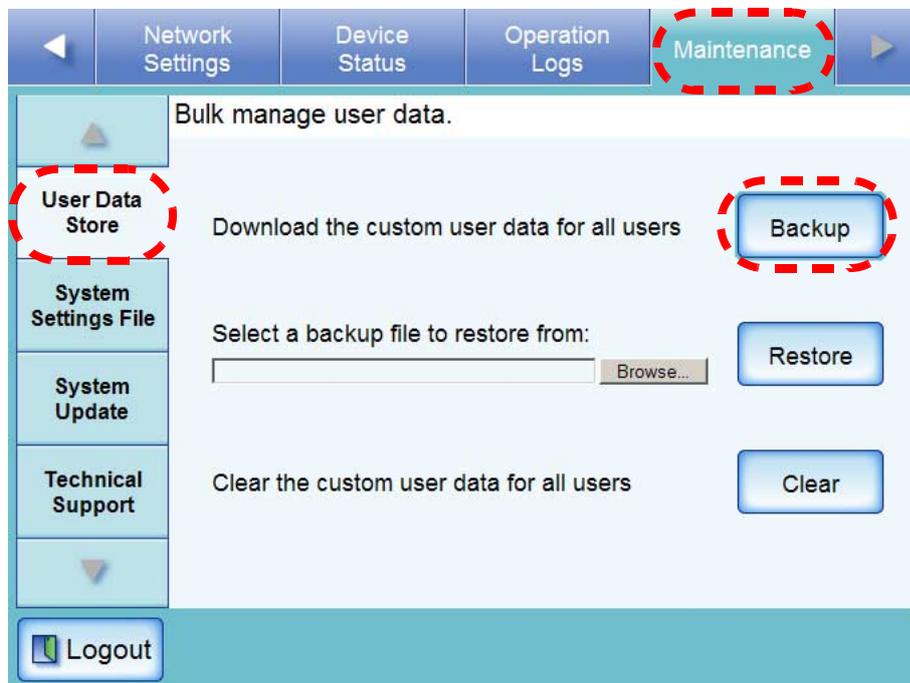


The user data store may contain private information such as e-mail addresses or fax numbers, so care should be taken when managing such data.

■ Backing up the User Data Store

As a precaution, the user data store should be backed up regularly.

1. Select the [Maintenance] tab on the top menu.
2. Select the [User Data Store] tab on the left side menu.
⇒ The "User Data Store" screen appears.
3. Press the [Backup] button.

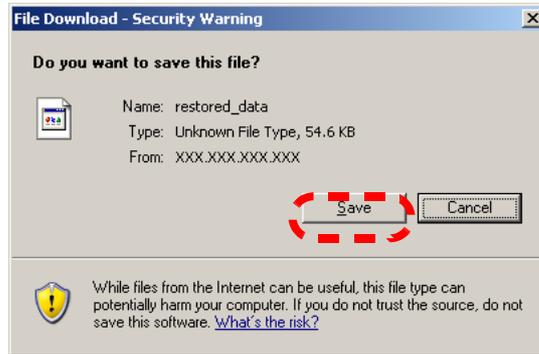


⇒ The "File Download" dialog box appears.

4. Press the [Save] button.



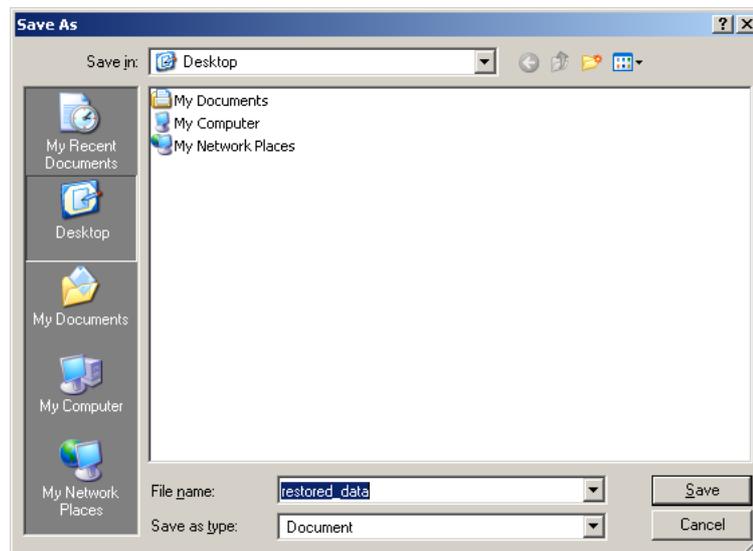
The size of the user log file is displayed in the "File Download" screen. Make sure there is enough free space on the disk where it is to be saved and press the [Save] button.



⇒ The "Save As" dialog box appears.

5. Enter a file name.

Use of a name that includes the scanner name and backup date is recommended.



6. Press the [Save] button.

⇒ A backup copy of the user data store is saved.



Do not change the contents of data store backup files. If changed, the file may no longer be used as a backup. Trying to restore from a changed user data store backup file may render the scanner inoperable.

■ Restoring the User Data Store

The scanner's user data store can be restored from a backed-up user data store file.

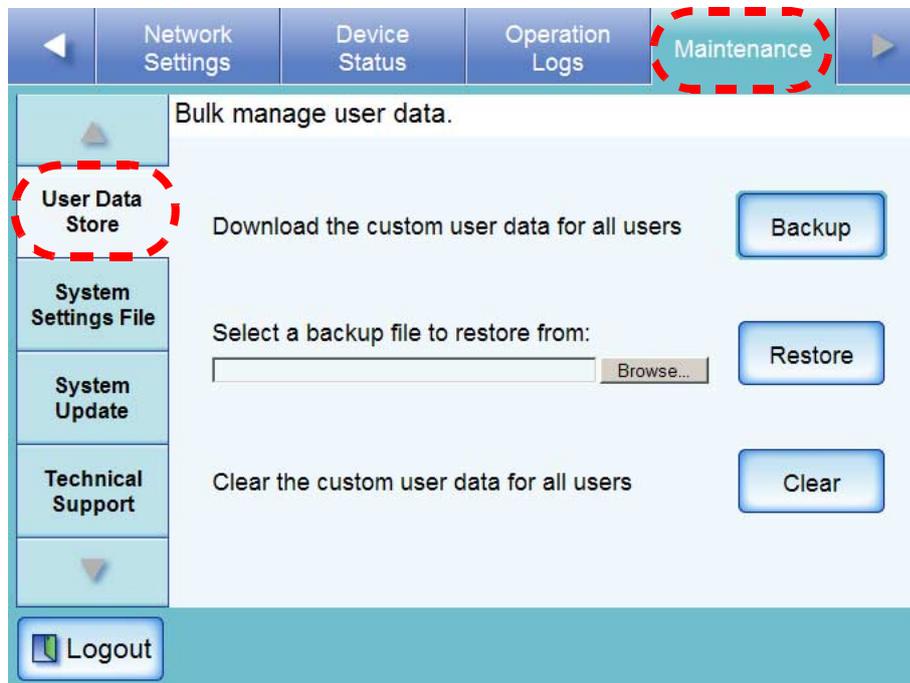


- Restoring user data overwrites all user information stored at the time of restoration, and returns all e-mail address books, fax number list, and scan settings to the time the backup was taken.
- During user data store restoration, do not press and hold down the startup button for longer than four seconds, as it may cause the scanner to function abnormally.



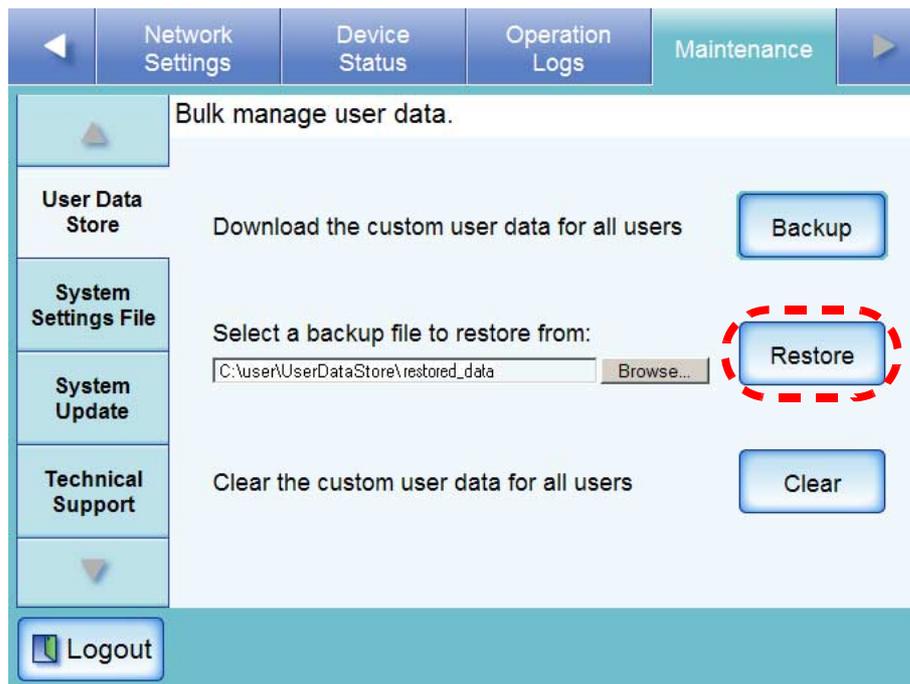
User logs cannot be backed up, therefore cannot be restored.

1. Select the [Maintenance] tab on the top menu.
2. Select the [User Data Store] tab on the left side menu.
⇒ The "User Data Store" screen appears.



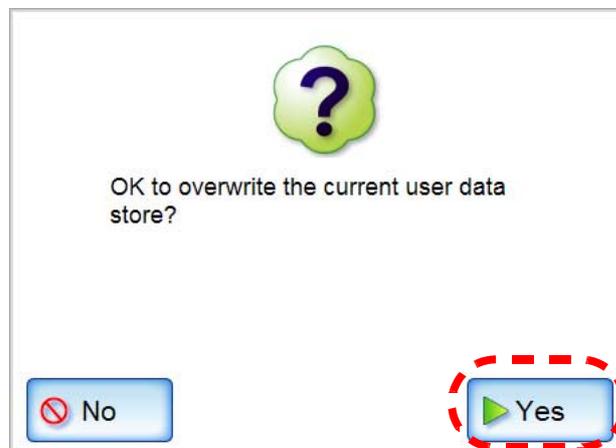
3. Select a user data store backup file.
Press the [Browse] button to select a file.

4. Press the [Restore] button.



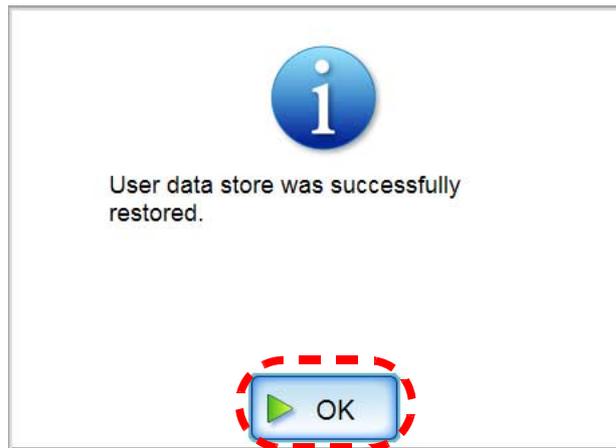
⇒ An "OK to overwrite?" confirmation message appears.

5. Press the [Yes] button.



⇒ After the user data store is restored, a restore completion message appears.

6. Press the [OK] button.



■ Clearing the User Data Store

The scanner's user data store can be deleted.

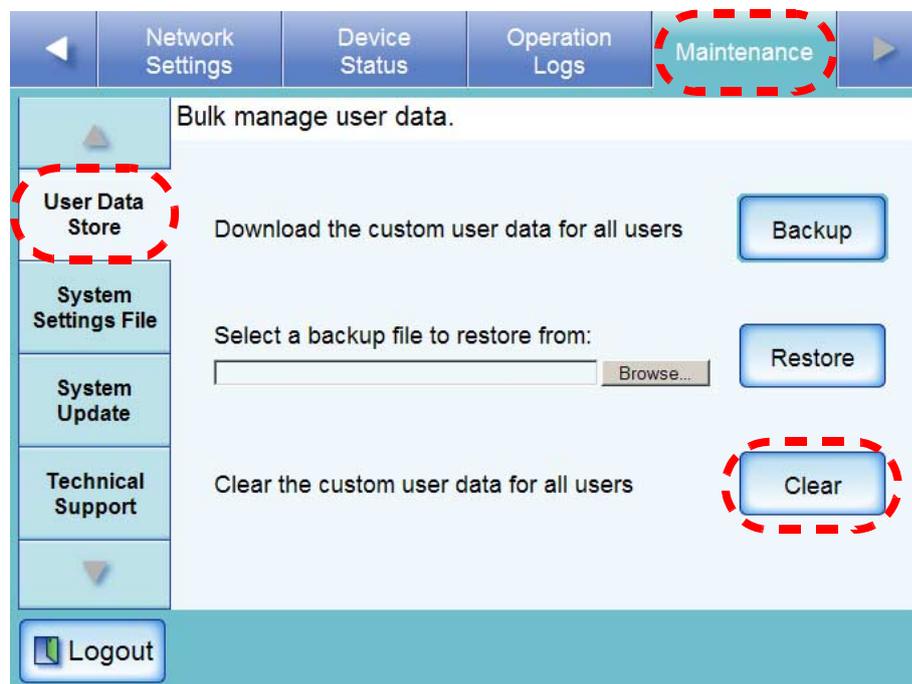
The user data store contains the following information:

- Fax Number List (one per scanner)
- "My List" e-Mail Address Books (one per user)
- Scan Settings (for each user)
- User Logs (for each user)



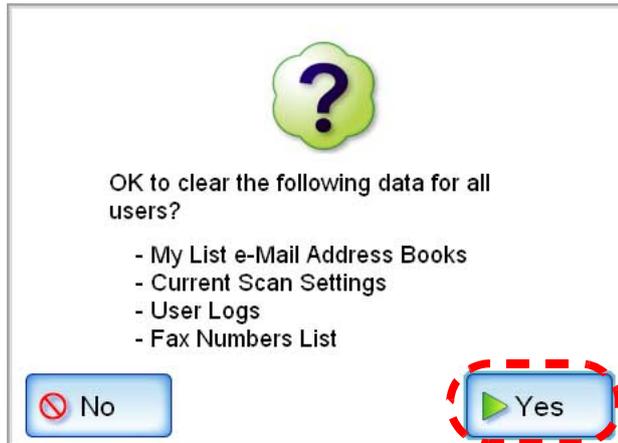
Clearing the user data store cannot be undone.

1. Select the [Maintenance] tab on the top menu.
2. Select the [User Data Store] tab on the left side menu.
⇒ The "User Data Store" screen appears.
3. Press the [Clear] button.



⇒ The clear confirmation screen appears.

4. Press the [Yes] button.



⇒ The user data store is cleared.

3.9.2 Maintaining the System Settings Web

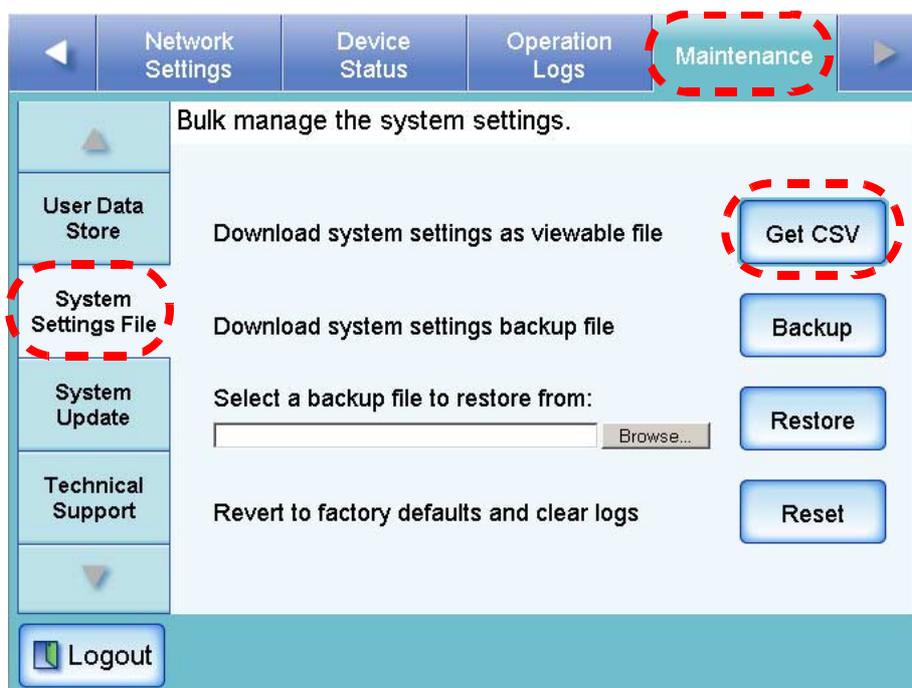
The scanner's system settings set by the administrator can be saved in CSV format, backed up, restored, or returned to their factory default values.

■ Downloading the System Settings in CSV Format

System settings downloaded in CSV format may be viewed by using spreadsheet software. CSV system settings files are of the following format:

```
"Function_name", "Option_name", "Value"
```

1. Select the [Maintenance] tab on the top menu.
2. Select the [System Settings File] tab on the left side menu.
⇒ The "System Settings File" screen appears.
3. Press the [Get CSV] button.

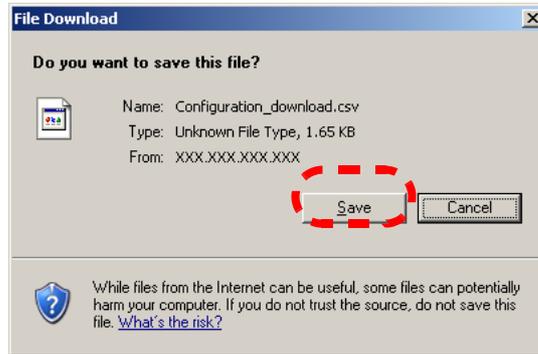


⇒ The "File Download" dialog box appears.

- Press the [Save] button.

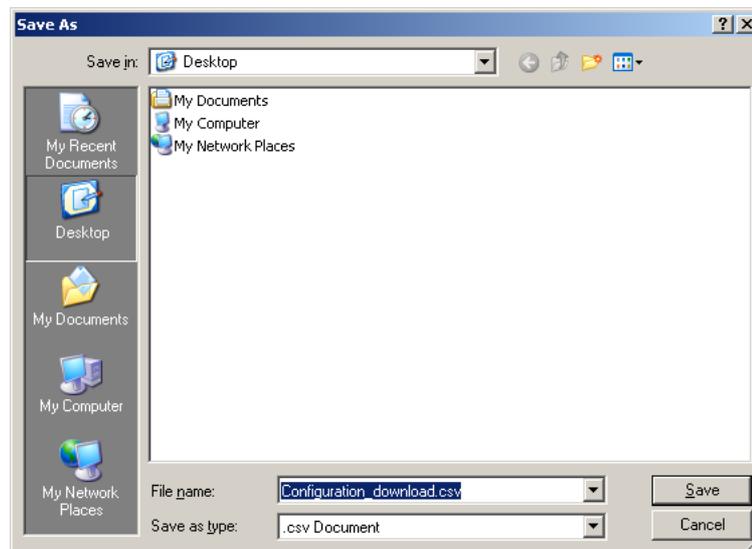


The size of the user log file is displayed in the "File Download" screen. Make sure there is enough free space on the disk where it is to be saved and press the [Save] button.



⇒ The "Save As" dialog box appears.

- Name the file and specify where it should be saved.
The file will contain CSV format data.



- Press the [Save] button.

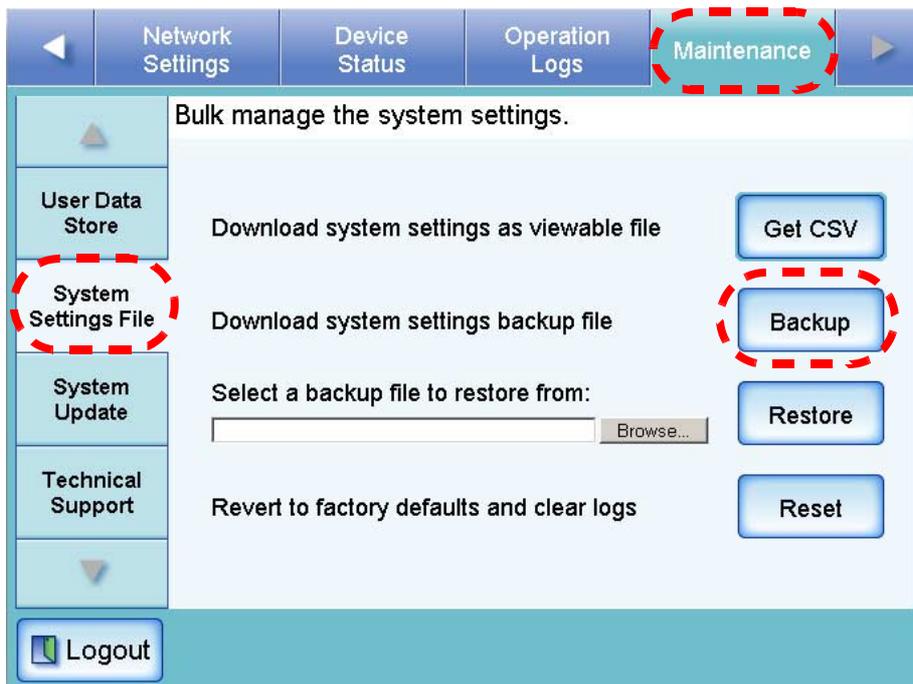
⇒ The system settings for the scanner are downloaded.

■ Backing up System Settings

The administrator can backup the scanner system settings.

Backup files can later be used to restore system settings. Backup should be performed regularly.

1. Select the [Maintenance] tab on the top menu.
2. Select the [System Settings File] tab on the left side menu.
⇒ The "System Settings File" screen appears.
3. Press the [Backup] button.

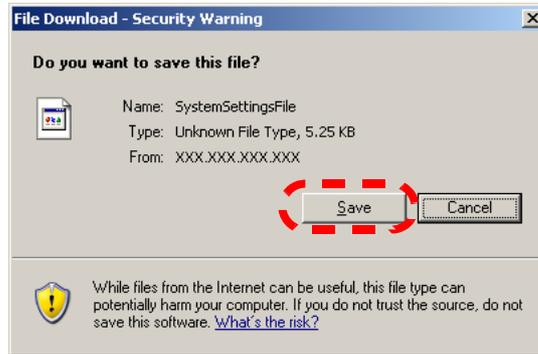


⇒ The "File Download" dialog box appears.

4. Press the [Save] button.

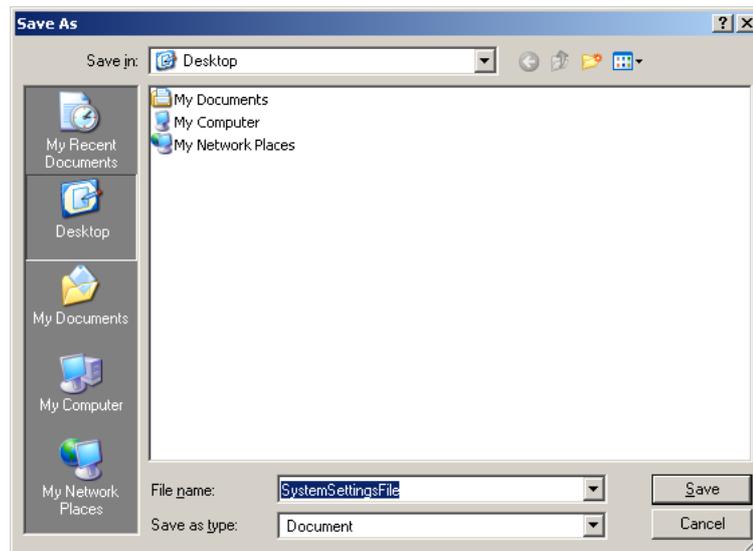


The size of the user log file is displayed in the "File Download" screen. Make sure there is enough free space on the disk where it is to be saved and press the [Save] button.



⇒ The "Save As" dialog box appears.

5. Name the file and specify where it should be saved.
The date of backup or scanner name should be used as an easy-to-understand file name.



6. Press the [Save] button.
⇒ The system settings are backed up.

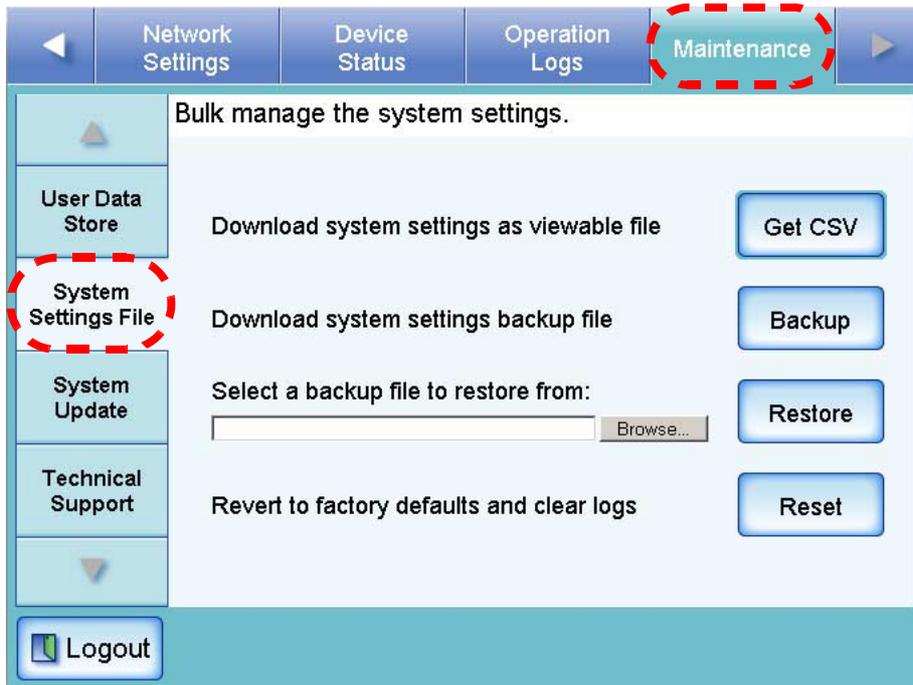


Do not change the contents of system settings backup files. If changed, the file may no longer be used as a backup. Trying to restore from a changed system settings backup file may render the scanner inoperable.

■ Restoring System Settings

The system settings backup file can be returned to the scanner to restore system settings to those at the time backup was taken.

1. Select the [Maintenance] tab on the top menu.
2. Select the [System Settings File] tab on the left side menu.
⇒ The "System Settings File" screen appears.



3. Enter a backup file to restore from.
Press the [Browse] button to select a file.

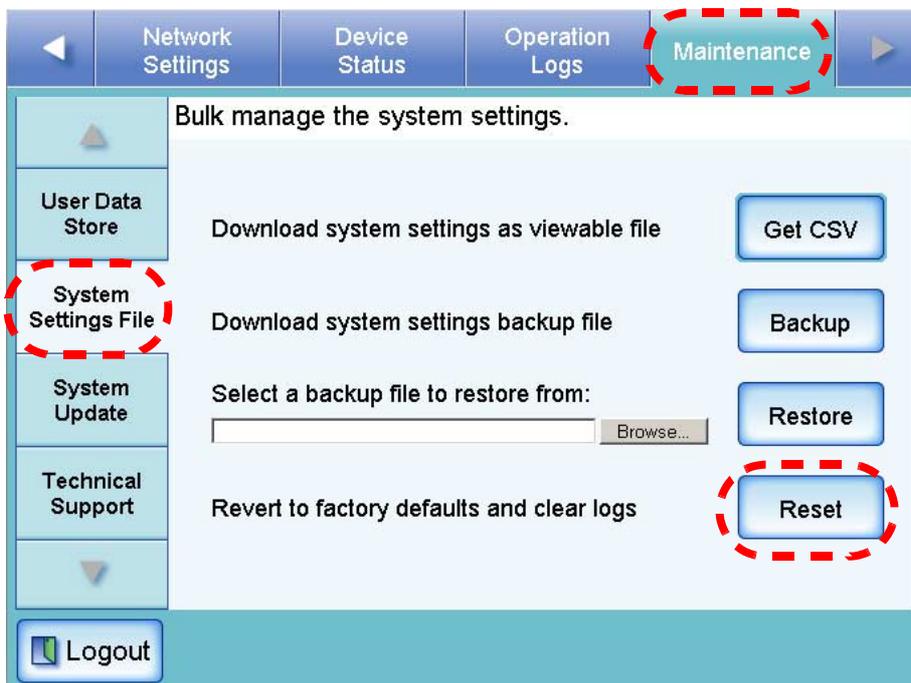


The Web interface connection will be lost when the scanner is restarted to complete the restoration of the system settings. To continue with other settings, wait a short time for the device to restart, then login to the Web interface again.

As the Web interface connection to the scanner requires the IP address or scanner name, if this is changed by the restoration of the system settings (i.e. if the backed up IP address or scanner name is different to the pre-restoration IP address or scanner name), the new IP address or scanner name will be needed. If not known, the current state of these settings can always be checked by physically logging in to the scanner via the touch panel interface.

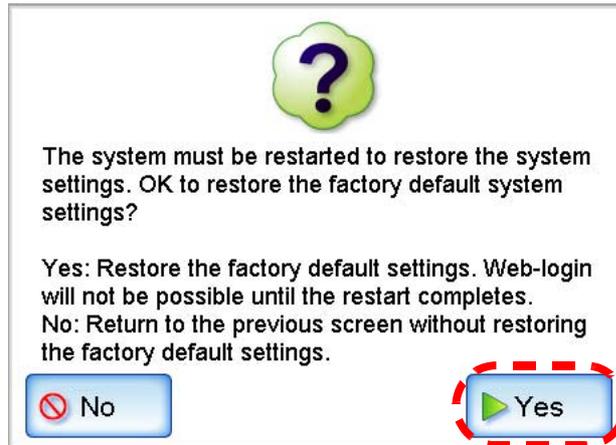
■ Resetting Factory Defaults

1. Select the [Maintenance] tab on the top menu.
2. Select the [System Settings File] tab on the left side menu.
⇒ The "System Settings File" screen appears.
3. Press the [Reset] button.



⇒ A confirmation message appears.

4. Press the [Yes] button.



⇒ After factory default settings have been restored, the scanner is restarted.



During factory defaults reset, do not press and hold down the startup button for longer than four seconds, as it may cause the scanner to function abnormally.



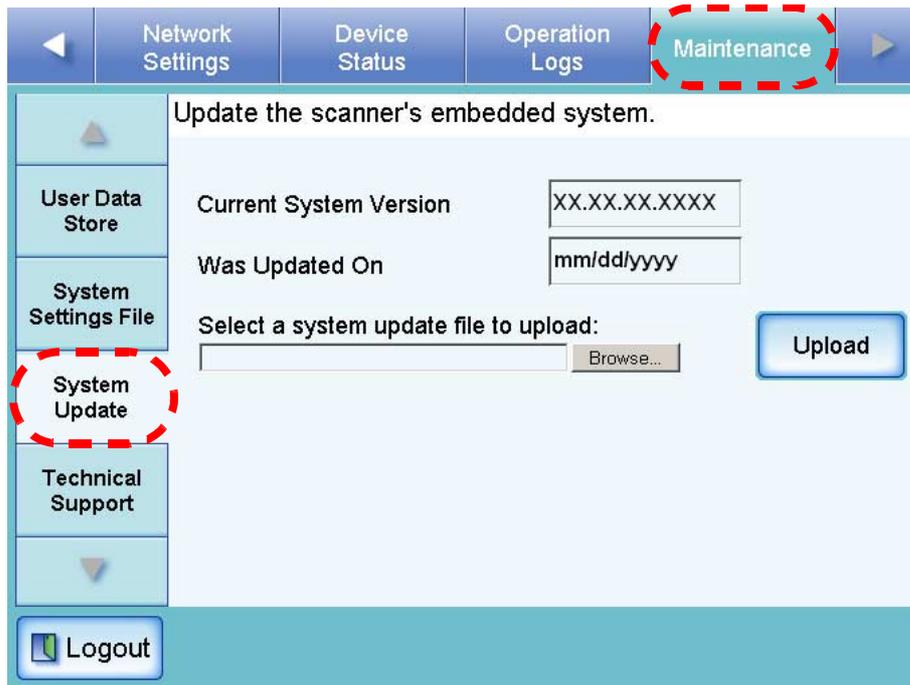
After the factory default settings are restored, the scanner name, IP address, and other settings will need to be set again, as described in "3.5 Using the System Settings Menus" (page 34).



3.9.3 Updating the Scanner's System Software Web

The scanner system can be updated as follows.

1. Select the [Maintenance] tab on the top menu.
2. Select the [System Update] tab on the left side menu.
⇒ The "System Update" screen appears.



3. Select a system update file.
Press the [Browse] button to select a file.

4. Press the [Upload] button.

The screenshot shows the 'Maintenance' menu with the following elements:

- Navigation tabs: Network Settings, Device Status, Operation Logs, Maintenance (selected).
- Left sidebar: User Data Store, System Settings File, System Update, Technical Support, Logout.
- Main content area:
 - Title: Update the scanner's embedded system.
 - Current System Version: XX.XX.XX.XXXX
 - Was Updated On: mm/dd/yyyy
 - Select a system update file to upload:
 - Text input: C:\user\UpdateFile1
 - Button: Browse...
 - Button: Upload (highlighted with a red dashed circle)

⇒ The version of the system update contained in the selected file is displayed.

5. Press the [OK] button.

The screenshot shows the 'Maintenance' menu with the following elements:

- Navigation tabs: Network Settings, Device Status, Operation Logs, Maintenance (selected).
- Left sidebar: User Data Store, System Settings File, System Update, Technical Support, Logout.
- Main content area:
 - Title: Update the scanner's embedded system.
 - Current System Version: XX.XX.XX.XXXX
 - Was Updated On: mm/dd/yyyy
 - New System Version: YY.YY.YY.YYYY
 - Text: The system needs to be restarted to finalize the update. OK to update now?
 - Text: OK: update and restart immediately. Web-login will not be possible until the restart completes.
 - Text: Cancel: return to the Update screen without updating.
- Bottom buttons: Logout, Cancel, OK (highlighted with a red dashed circle)

⇒ The system update process is started.
After the system has updated, the scanner is restarted.



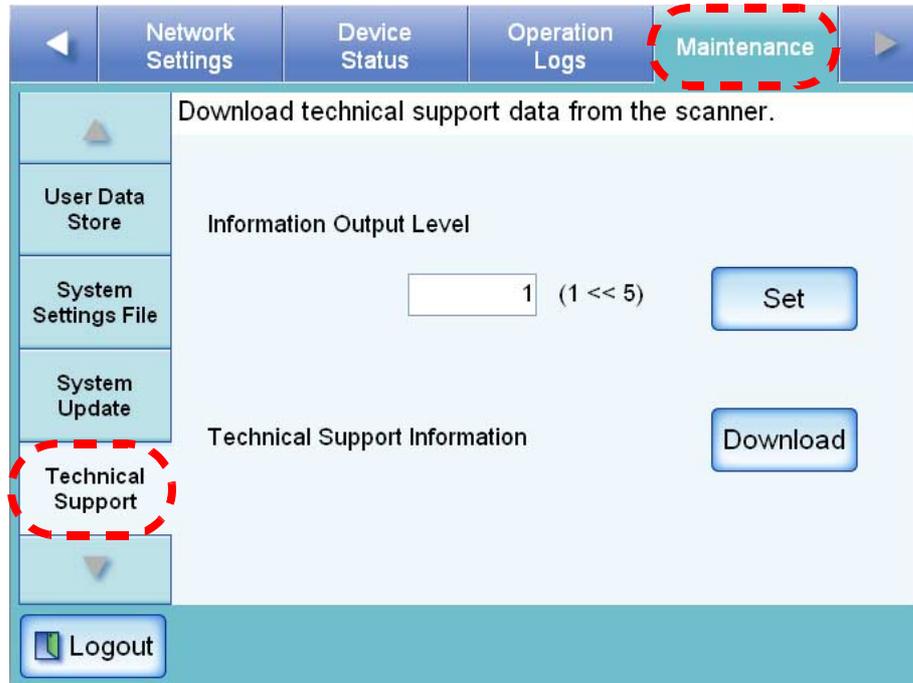
- Wait for the system to restart.
- During the update, do not press and hold down the startup button for longer than four seconds, as it may cause the scanner to function abnormally.



The Web interface connection will be lost when the scanner is restarted to complete the system update. To continue with other settings, wait a short time for the device to restart, then login to the Web interface again.

3.9.4 Setting the Information Output Level Web

1. Select the [Maintenance] tab on the top menu.
2. Select the [Technical Support] tab on the left side menu.
⇒ The "Technical Support" screen appears.



3. Enter the desired information output level.
The default level is "1".
Increasing the value of the output level increases the detail of information collected, but slows down processing. Set the level requested by your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
4. Press the [Set] button.
⇒ The information output level is set.



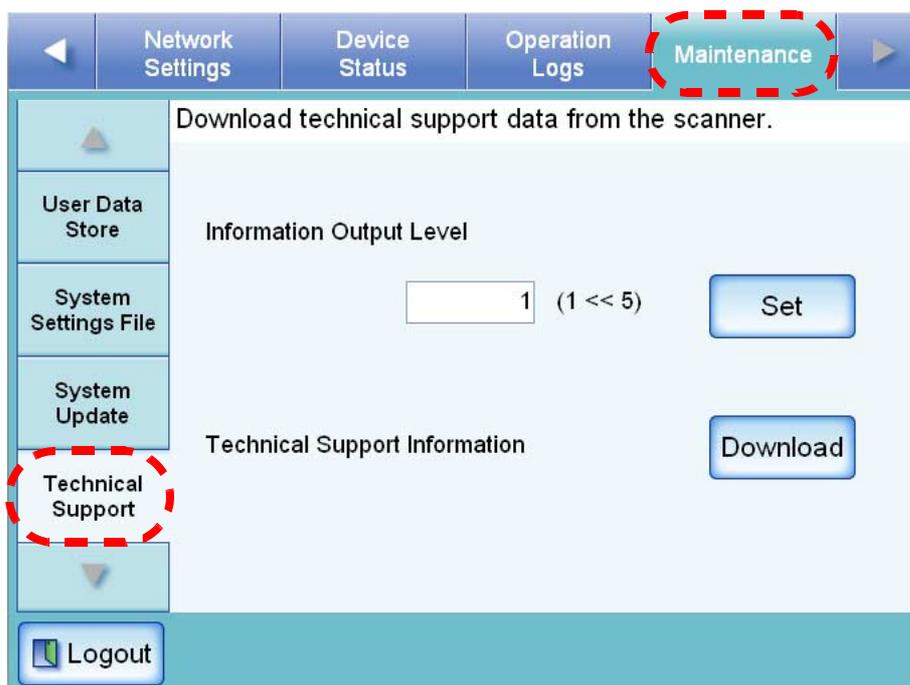
If the "Information Output Level" is set to "5", the output data may contain private user information such as e-mail addresses, so care should be taken when managing such data.

3.9.5 Obtaining Technical Support Web

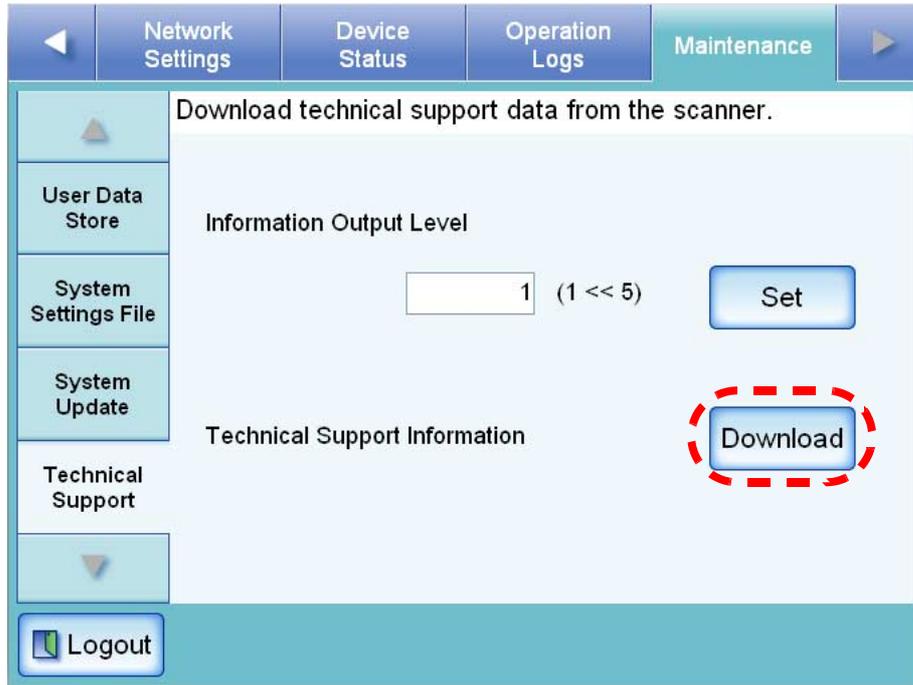
If any problems occur when setting up or using the scanner, technical support information can be collected to help determine the cause of the problem.

The information obtained should be sent to your FUJITSU scanner dealer along with the scanner when given for repair.

1. Select the [Maintenance] tab on the top menu.
2. Select the [Technical Support] tab on the left side menu.
⇒ The "Technical Support" screen appears.



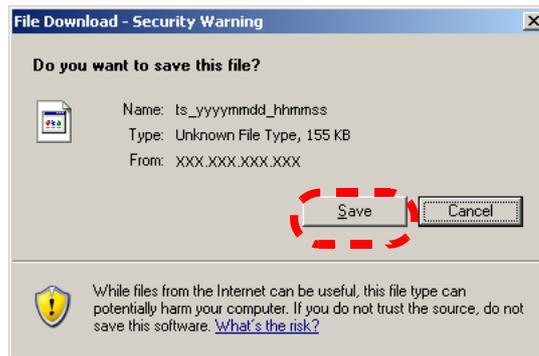
3. Press the [Download] button.



⇒ The "File Download" dialog box appears.

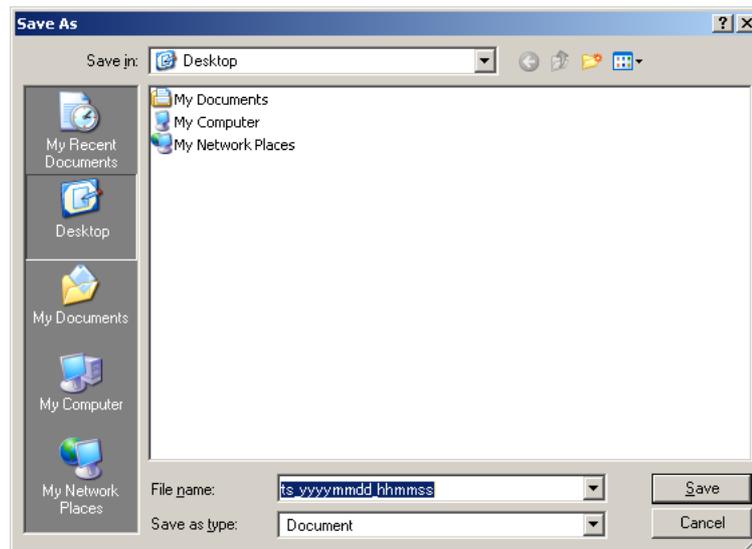
4. Press the [Save] button.

HINT  The size of the user log file is displayed in the "File Download" screen. Make sure there is enough free space on the disk where it is to be saved and press the [Save] button.



⇒ The "Save As" dialog box appears.

5. Name the file and specify where it should be saved.



6. Press the [Save] button.
⇒ The technical information is downloaded.

Chapter 4

Regular User Operations

User

This scanner is used to scan documents which then can be sent by e-mail or fax, or saved to a network folder.

To perform the operations described in this chapter, the scanner must first be setup by the administrator.

For details of scanner setup, refer to "Chapter 3 Administrator Operations" (page 23).

Messages may appear while performing operations described in this chapter. For more details about these messages and actions to take, refer to "C.2 Regular User Messages" (page 291).

4

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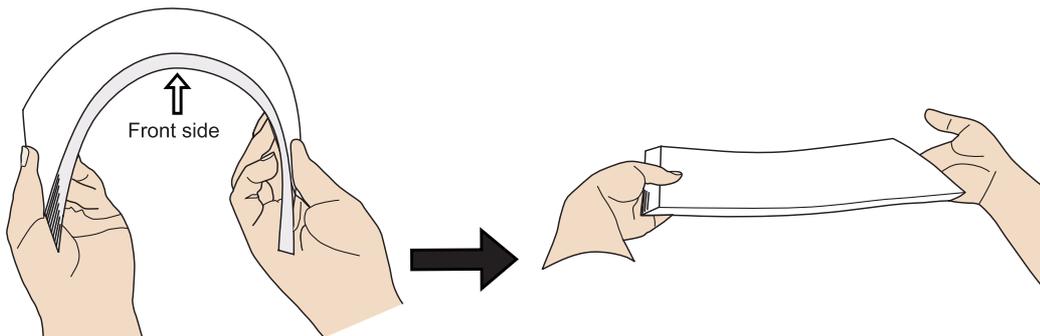
4.1 Loading Documents

1. Check the number of document sheets.

For document sheet limits, refer to "Maximum Document Loading Capacity" (page 260)".

2. Fan the documents.

1. Lightly grip the ends of the document stack in both hands, and flex it back and forth two or three times.

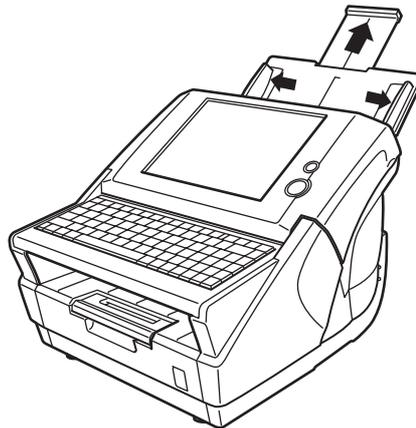


2. Rotate the documents 90 degrees, and fan again.

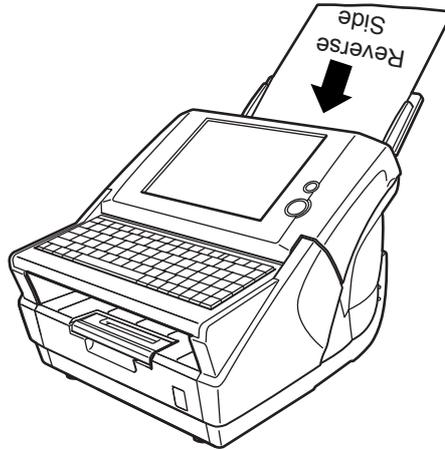
3. Align the edges of the document sheets.

3. Load the documents into the ADF paper chute.

1. Extend the ADF paper chute and adjust the side guides to hold the documents.



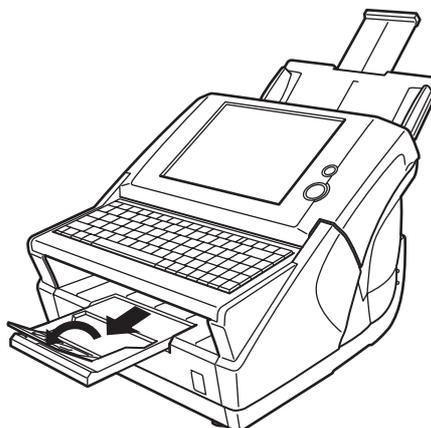
2. Load the documents face down. If only one side is to be scanned, it should face down in the ADF paper chute.



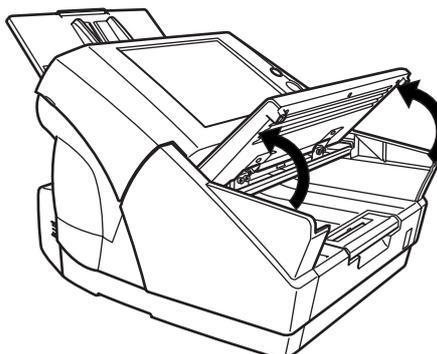
3. Adjust the side guides to the width of the documents.
Move the side guides so that they touch both sides of the documents.
If there is any space between the side guides and the edges of documents, the scanned data may be skewed.



- The output tray holds the document sheets after they have been scanned. It can be pulled out and adjusted to the size of the document being scanned.
 1. Pull out before scanning.
 2. The extension flap of output tray may also be flipped up, as shown in the figure below.



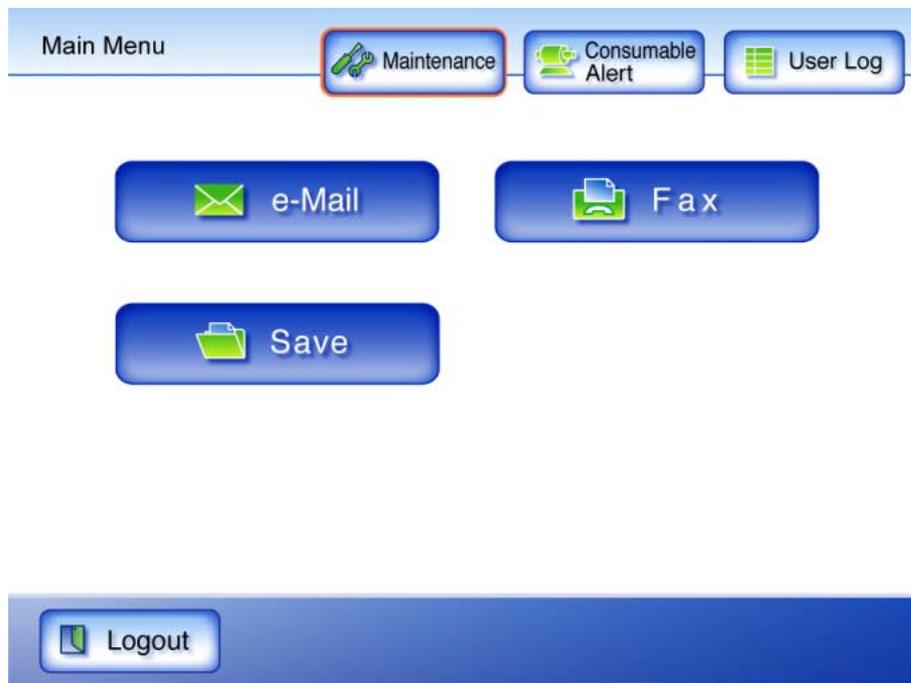
- Small documents may be retrieved by flipping up the keyboard after scanning has completed.



4.2.2 Main Menu Screen

The actual "Main Menu" screen that appears after login may differ depending on the settings made by the Administrator.

The following table describes all items available on the "Main Menu" screen.



Icon	Shown in manual as...	Used to ...
	[Maintenance] button	Access the "Maintenance" screen. For details, refer to "4.11 Maintenance" (page 207).
	[Consumable Alert] button	<p>Access the "Consumable Alert" screen. The color of the button changes to orange or red to indicate a "consumable replacement" is pending.</p> <p> Blue: Normal</p> <p> Orange: Parts need to be replaced soon. Contact a system administrator.</p> <p> Red: Parts need to be replaced now. Replace the necessary part. For details, refer to "5.5 Replacing Parts" (page 218).</p>

Icon	Shown in manual as...	Used to ...
	[User Log] button	Access the "User Log" screen. For details, refer to "4.10 Checking the User Log" (page 205).
	[e-Mail] button	Access the "Send e-Mail" screen. For details, refer to "4.4 Sending the Scanned Data by e-Mail" (page 142).
	[Fax] button	Access the "Send Fax" screen. For details, refer to "4.5 Sending the Scanned Data by Fax" (page 154).
	[Save] button	Access the "Save File" screen. For details, refer to "4.6 Saving the Scanned Data to a Network Folder" (page 164).
	[Logout] button	Logout the current user.

4.2.3 Input Fields and Entering Characters

Only passwords for the following fields are case sensitive.

Screen	Field name
Login	Password
PDF Password	Password Confirm Password
File Server Authentication	Password

2. Enter a "User Name" and "Password" that has been stored in the LDAP server.

User names may be up to 64 characters long, with all alphanumerics (case sensitive) and some symbols allowed. They may not start with a "@" or ".", and the following symbols may never be used: \ [] ; | = , + * ? < > "

Passwords may be up to 256 characters long, and all alphanumerics (case sensitive) and symbols are allowed.

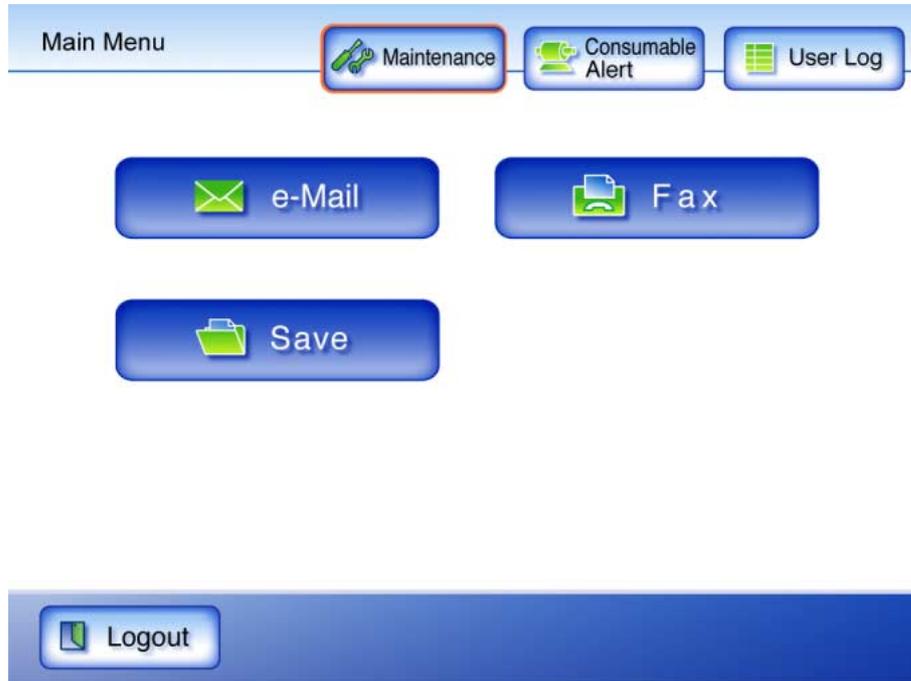


When entering the password, note the following:

- The "Caps Lock" indicator is on if the keyboard's Caps Lock is set.
- The "Num Lock" indicator is on if the keyboard's Num Lock is set.

3. Press the [Login] button.

⇒ If the user name and password are valid, the "Main Menu" screen appears.



4.4 Sending the Scanned Data by e-Mail

1. On the "Main Menu" screen, press the [e-Mail] button.

⇒ The "Send e-Mail" screen appears.

 The scan information can be changed by pressing the [Scan Settings] button.
For more details, refer to "4.7 Setting the Scan Options" (page 169).

2. Enter e-mail addresses in "To", "Cc", and "Bcc" fields.

This may be up to 255 characters long. One of the following e-mail address formats must be used:

- XXXXXXXX@IP_address
- XXXXXXXX@Host_name
- XXXXXXXX@Domain_name

XXXXXXX	Comprised of alphanumeric, hyphens (-), periods (.) and underscores (_).
IP_address	Comprised of numbers separated by periods (.). IP addresses within the following ranges may be used: 1.0.0.1 - 126.255.255.254 128.0.0.1 - 191.255.255.254 192.0.0.1 - 223.255.255.254
Host_name	Comprised of alphanumeric and hyphens (-) only. Initial character may not be a hyphen.
Domain_name	Name elements comprised of alphanumeric and hyphens (-) are separated by periods (.). Each name element may contain up to 63 characters, and only alphabetic characters may be used for the last element.

To enter multiple addresses, separate each mail address with a ";". A scan can be sent to a maximum of 30 addresses at any one time.

 e-Mail addresses can be selected directly from the e-mail address book.
For details, refer to "Selecting an e-Mail Address from the e-Mail Address Book" (page 146).

The screenshot shows a 'Send e-Mail' dialog box with the following fields and controls:

- To:** An empty text input field.
- Cc:** An empty text input field.
- Bcc:** An empty text input field.
- Subject:** An empty text input field.
- Body:** A larger empty text input field.
- File Name:** A text input field containing 'SCANNER103012007150210'.
- From:** An empty text input field.
- Buttons:** 'Cancel', 'Scan Settings Default', 'Scan Viewer On', and 'Scan'.

3. Enter a file name for the scan data into the "File Name:" field.
The file name may be up to 128 characters long.
By default, "Scanner Name" + "Scan Date/Time" is entered.



The following file names cannot be used:

- CON
- PRN
- AUX
- CLOCK\$
- NUL
- COM0 to COM9
- LPT0 to LPT9

4. Check that address shown in the "From:" field is correct.

Note that no address is shown if a LDAP server is not being used, or if no e-mail address for the authenticated user has been registered in the LDAP server. In this case, directly enter the sender's e-mail address using the keyboard.

e-Mail addresses may be up to 255 characters long. Alphanumeric characters and the following symbols can be used.

- . _ @

However, _ can only be used before @.

(Refer to Step 2 for complete details.)

5. Enter an e-mail title into the "Subject:" field.
The subject may be up to 128 characters long.

⇒ The "Main Menu" screen is shown again.

After a file has been created from scanned data, while waiting for the send mail process to complete, the scanner prepares for the next operation. All processes queued so far are performed at the same time, and are referred to as buffer jobs. A maximum of ten jobs may be buffered.



- The maximum size for an attachment is the size that has been set by the administrator. To change this setting, contact the administrator. For more details about this setting, refer to "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69).
- For photos and images, a high compression level can be used to create a smaller file. For more details, refer to "4.7.8 Compression" (page 188).
- If the file format is JPEG or TIFF, a file will be attached for each page in the scan.
 - If the number of pages is over ten and the [Scan Viewer] is On, a confirmation dialog will appear after the "Send e-Mail" screen [Send] button is pressed.
 - If the number of pages is over ten and the [Scan Viewer] is Off, a confirmation dialog will appear after the "Send e-Mail" screen [Scan&Send] button is pressed.
- If the e-mail fails to send, an error message with the following title is sent by e-mail from the scanner to the "From" address.
Error Message from Network Scanner (Scanner Name: *xxxxxx*)

4.4.1 Selecting an e-Mail Address from the e-Mail Address Book

As mentioned in Step 2 of "4.4 Sending the Scanned Data by e-Mail" (page 142), instead of entering an e-mail address with keyboard, e-mail addresses may be directly selected from an e-mail address book.

The e-mail address book contains "My List" and "LDAP List" sections. The operation of both address book sections are the same.

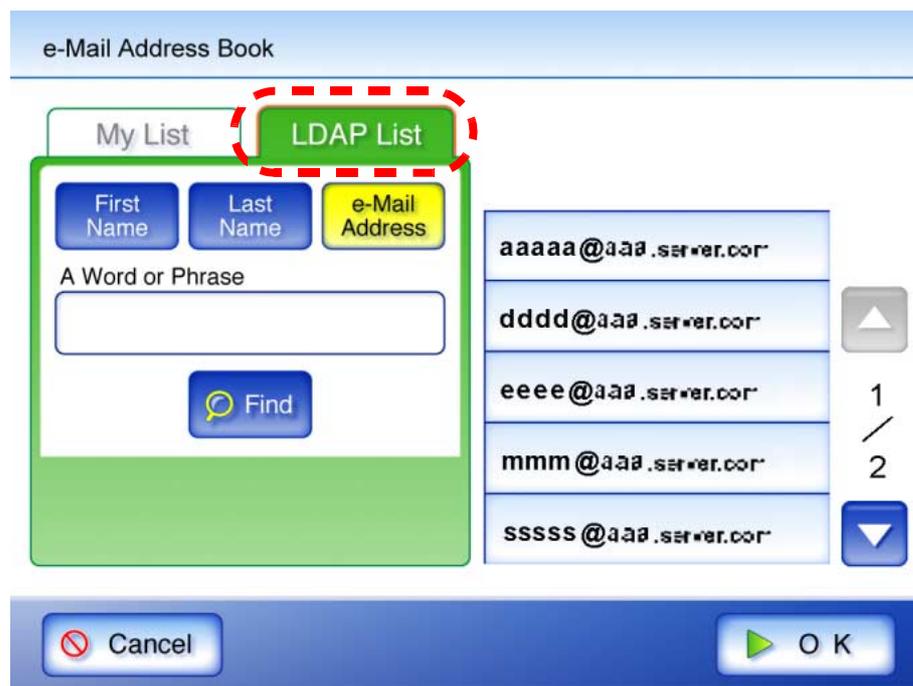
The following explains how to select an e-mail address using the "LDAP List".

The LDAP list is an e-mail address book which uses data stored on the LDAP server.

If the LDAP server is not used, the contents of the LDAP list are not shown and not available.

1. On the "Send e-Mail" screen, press the  button to the right of the e-mail address field.
⇒ The "e-Mail Address Book" screen appears.

2. Select the [LDAP List] tab.



⇒ The LDAP address list appears.

3. Select the search parameter.

Pressing the [e-Mail Address] button displays the search results by e-mail address, in alphabetical order.

Pressing the [First Name] button displays the search results by first names, in alphabetical order.

Pressing the [Last Name] button displays the search results by last names, in alphabetical order.

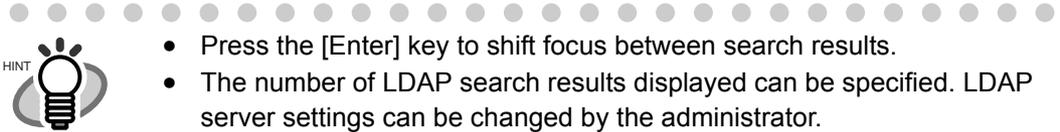
4. Enter a search string.

Contacts can be searched for individually, or all at the same time. Search strings may be up to 255 characters long.

Wild card characters cannot be used. The actual characters * ? [] will be searched for.

5. Press the [Find] button.

⇒ The search results are displayed on the right side. Five results are displayed at a time.



- Press the [Enter] key to shift focus between search results.
- The number of LDAP search results displayed can be specified. LDAP server settings can be changed by the administrator.
For details, refer to "3.6.5 Setting the LDAP Server" (page 64).
- If a [First Name] match is found with no last name, hyphens are shown in place of the nonexistent last name: *FirstName ----*
- If a [Last Name] match is found with no first name, hyphens are shown in place of the nonexistent first name: *---- LastName*



6. Select the desired e-mail address from the search results.

7. Press the [OK] button.

⇒ The address is added to the field in the "Send e-Mail" screen.

Only one e-mail address at a time can be added from the e-Mail Address Book. To add multiple e-mail addresses from the e-Mail Address Book, it must be opened again each time an address is to be added.

When multiple e-mail addresses are entered using the e-mail address book, a ";" is automatically entered in between each address.

Up to 30 e-mail addresses can be entered at one time.

4.4.2 Adding a Contact to the e-Mail Address Book

The following explains how to add a contact to your My List. Contacts cannot be added to the LDAP list.

A maximum of 1,000 contacts can be stored in the e-mail address book. Once 1,000 contacts have been entered, no more can be added.

1. Open the "e-Mail Address Book" screen.

To access the "e-Mail Address Book" screen, on the "Send e-Mail" screen, press the



button to the right of an e-mail address field.

Or on the "Main Menu" screen, press the [Maintenance] button, then on the "Maintenance" screen, press the [Edit e-Mail Address] button. For details, refer to "4.11 Maintenance" (page 207).

2. Select the [My List] tab.

The screenshot displays the "e-Mail Address Book" interface. At the top, there are two tabs: "My List" (which is selected and highlighted with a red dashed circle) and "LDAP List". Below the tabs, there are three input fields: "First Name", "Last Name", and "e-Mail Address". Underneath these is a search field labeled "A Word or Phrase" with a "Find" button. At the bottom of the main area, there are three buttons: "+ Add", "Edit", and "Delete". To the right of the main area is a list of contacts, currently showing one contact, with a "1 / 1" indicator and up/down arrows. The bottom bar contains "Cancel" and "OK" buttons.

3. Press the [Add] button.
⇒ The "Add e-Mail Address" screen appears.

4. Enter the contact details.

First names and last names may be up to 64 characters long. Last name may be skipped. e-Mail addresses may be up to 255 characters long. One of the following e-mail address formats must be used:

- XXXXXXX@IP_address
- XXXXXXX@Host_name
- XXXXXXX@Domain_name

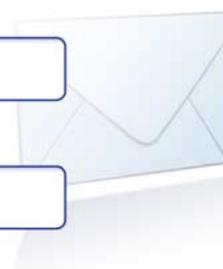
XXXXXXX	Comprised of alphanumeric, hyphens (-), periods (.) and underscores (_).
IP_address	Comprised of numbers separated by periods (.). IP addresses within the following ranges may be used: 1.0.0.1 - 126.255.255.254 128.0.0.1 - 191.255.255.254 192.0.0.1 - 223.255.255.254
Host_name	Comprised of alphanumeric and hyphens (-) only. Initial character may not be a hyphen.
Domain_name	Name elements comprised of alphanumeric and hyphens (-) are separated by periods (.). Each name element may contain up to 63 characters, and only alphabetic characters may be used for the last element.

Add e-Mail Address

First Name :

Last Name :

e-Mail Address :



 Cancel
 OK

5. Press the [OK] button.

⇒ The address is added to your My List.

4.4.3 Editing a Contact in the e-Mail Address Book

The following explains how to edit a contact stored in your My List. Contacts stored in the LDAP list cannot be edited.

1. Open the "e-Mail Address Book" screen.

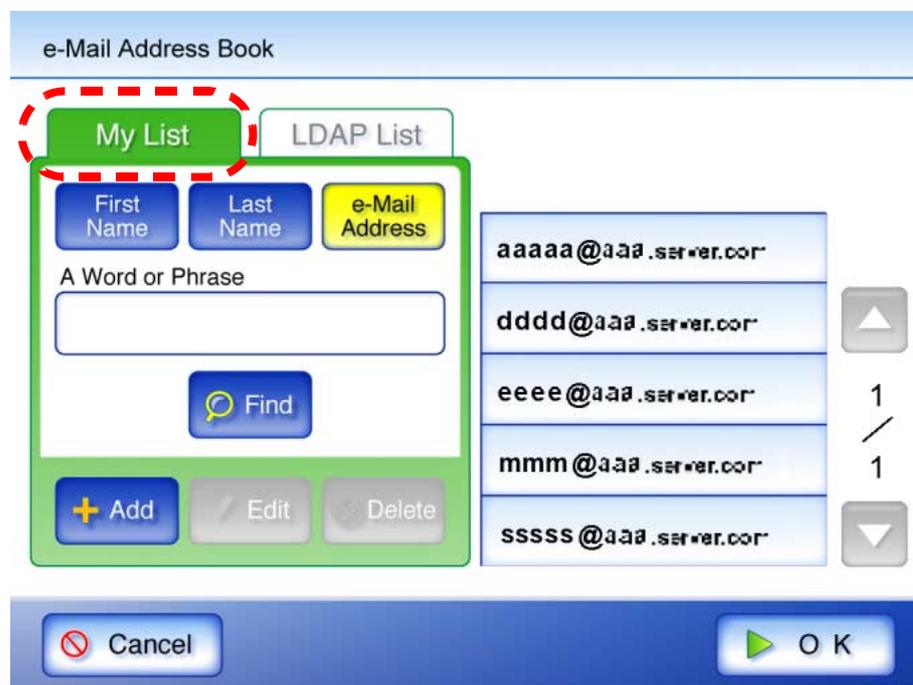
To access the "e-Mail Address Book" screen, on the "Send e-Mail" screen, press the



button to the right of an e-mail address field.

Or on the "Main Menu" screen, press the [Maintenance] button, then on the "Maintenance" screen, press the [Edit e-Mail Address] button. For details, refer to "4.11 Maintenance" (page 207).

2. Select the [My List] tab.



3. Select the contact that is to be edited.
4. Press the [Edit] button.
⇒ The "Edit e-Mail Address" screen appears.

5. Edit the contact information.

First names and last names may be up to 64 characters long.

e-Mail addresses may be up to 255 characters long. One of the following e-mail address formats must be used:

- XXXXXXX@IP_address
- XXXXXXX@Host_name
- XXXXXXX@Domain_name

XXXXXXX	Comprised of alphanumerics, hyphens (-), periods (.) and underscores (_).
IP_address	Comprised of numbers separated by periods (.). IP addresses within the following ranges may be used: 1.0.0.1 - 126.255.255.254 128.0.0.1 - 191.255.255.254 192.0.0.1 - 223.255.255.254
Host_name	Comprised of alphanumerics and hyphens (-) only. Initial character may not be a hyphen.
Domain_name	Name elements comprised of alphanumerics and hyphens (-) are separated by periods (.). Each name element may contain up to 63 characters, and only alphabetic characters may be used for the last element.

The screenshot shows a dialog box titled "Edit e-Mail Address". It has three text input fields. The first is labeled "First Name" and contains the text "aaaaaaa". The second is labeled "Last Name" and contains "bbbbbb". The third is labeled "e-Mail Address" and contains "cdef@192.168.1.1". At the bottom of the dialog, there are two buttons: "Cancel" on the left and "OK" on the right. The "OK" button has a green play icon to its left. The background of the dialog features a faint image of an envelope.

6. Press the [OK] button.

⇒ The edited e-mail address is saved in your My List address book.

4.4.4 Deleting a Contact from the e-Mail Address Book

The following explains how to delete a contact from your My List. Contacts stored in the LDAP list cannot be deleted.

1. Open the "e-Mail Address Book" screen.

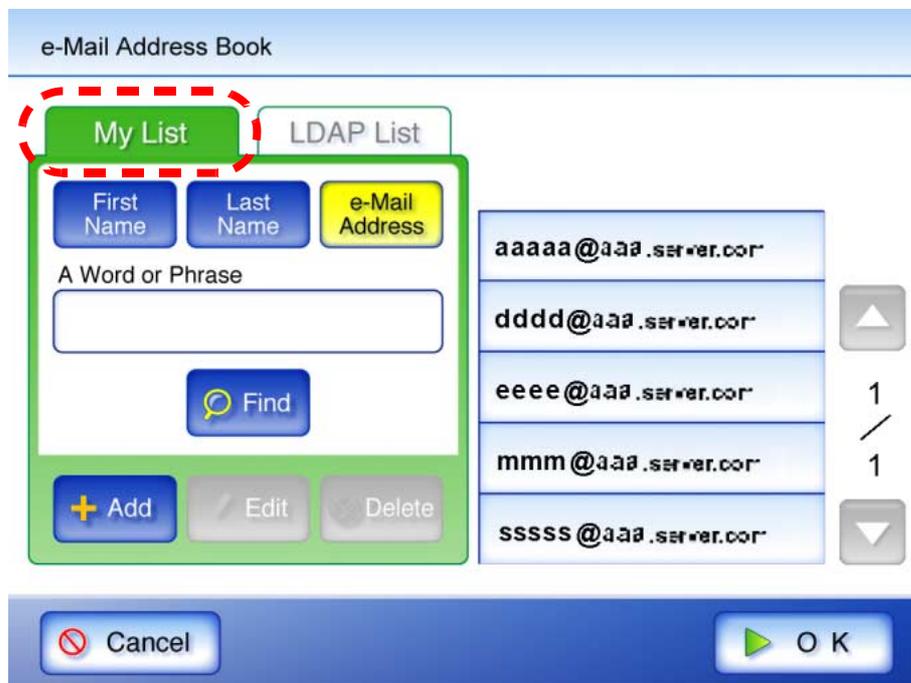
To access the "e-Mail Address Book" screen, on the "Send e-Mail" screen, press the



button to the right of an e-mail address field.

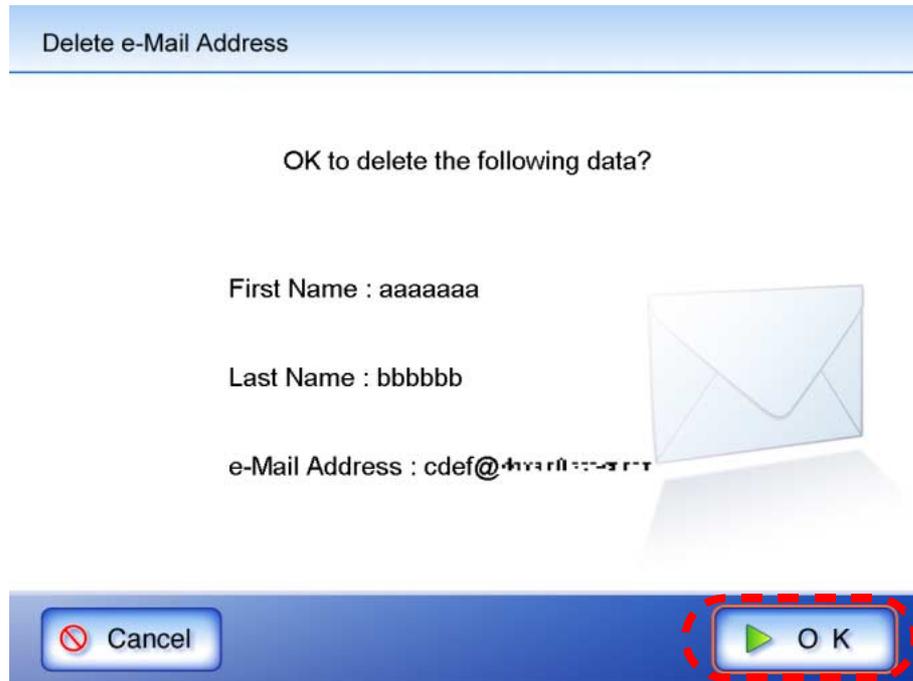
Or on the "Main Menu" screen, press the [Maintenance] button, then on the "Maintenance" screen, press the [Edit e-Mail Address] button. For details, refer to "4.11 Maintenance" (page 207).

2. Select the [My List] tab.



3. Select the name of the contact address that is to be deleted.
4. Press the [Delete] button.
⇒ The "Delete e-Mail Address" screen appears.

5. Check the contact that is set to be deleted is the correct one and press the [OK] button.



⇒ The contact is deleted from the e-mail address book.

4.5 Sending the Scanned Data by Fax

1. On the "Main Menu" screen, press the [Fax] button.

⇒ The "Send Fax" screen appears.



The scan information can be changed by pressing the [Scan Settings] button.

For more details, refer to "4.7 Setting the Scan Options" (page 169).

2. Enter a fax number into the "Recipient Fax No." field without using "-".

Recipient fax numbers may be up to 64 digits long.

Numbers and the following symbols can also be used.

-*#



Recipient fax numbers can be selected directly from the fax number list.

For details, refer to "Selecting a Fax Number from the Fax Number List" (page 157).

Send Fax

Recipient Fax No. :



Notification To (Sender's e-Mail Address):



 Cancel  Scan Settings Custom  Scan Viewer Off  Scan & Send

- In the "Notification To (Sender's e-Mail Address)" field, enter an e-mail address for Send Fax result alert e-mails.

e-Mail addresses may be up to 255 characters long. One of the following e-mail address formats must be used:

- XXXXXXXX@IP_address
- XXXXXXXX@Host_name
- XXXXXXXX@Domain_name

XXXXXXX	Comprised of alphanumerics, hyphens (-), periods (.) and underscores (_).
IP_address	Comprised of numbers separated by periods (.). IP addresses within the following ranges may be used: 1.0.0.1 - 126.255.255.254 128.0.0.1 - 191.255.255.254 192.0.0.1 - 223.255.255.254
Host_name	Comprised of alphanumerics and hyphens (-) only. Initial character may not be a hyphen.
Domain_name	Name elements comprised of alphanumerics and hyphens (-) are separated by periods (.). Each name element may contain up to 63 characters, and only alphabetic characters may be used for the last element.

- Press the [Scan&Send] button.

When [Scan Viewer] is On, this will be a [Scan] button.

⇒ Scanning starts.

After the last page is displayed on the "Scanning" screen, the scan data is sent by fax, and the touch panel screen returns to the "Main Menu".



- "Scan Viewer" is initially "Off".
- When the [Scan] button is pressed (when [Scan Viewer] is "On"), each page is briefly shown on the screen as it is scanned.
When the scan has completed, the "Scan Viewer" screen opens.
For more details about Scan Viewer, refer to "4.8 Enabling/Disabling the Scan Viewer" (page 198)" and "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).



- Check the scanned data.

For more details about the "Scan Viewer" screen, refer to "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).

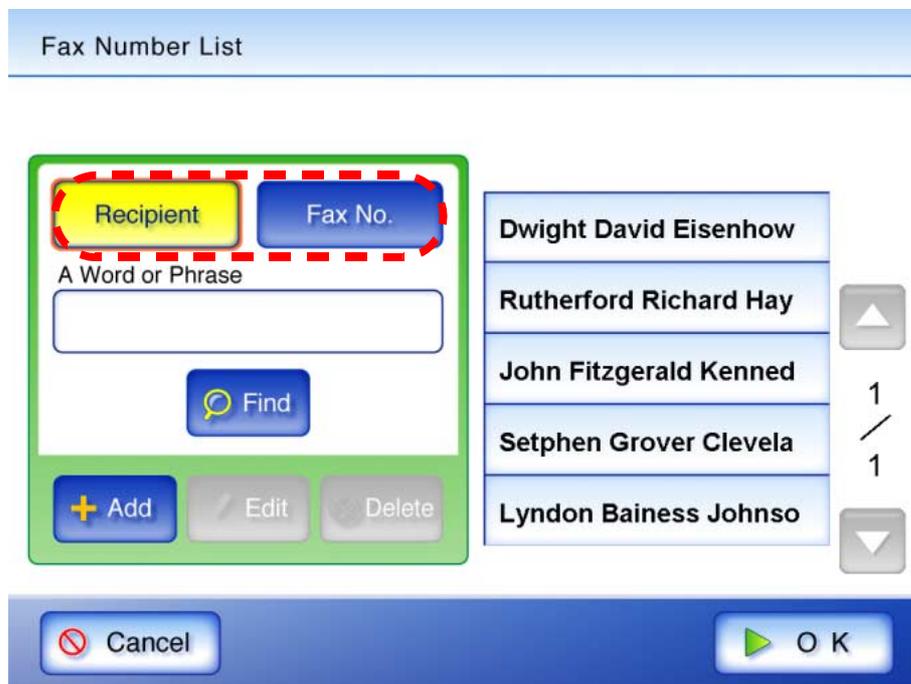
4.5.1 Selecting a Fax Number from the Fax Number List

As mentioned in Step 2 of "4.5 Sending the Scanned Data by Fax" (page 154), instead of entering a fax number with keyboard, fax numbers may be directly selected from a fax number list.

1. "On the "Send Fax" window, press  .
⇒ The "Fax Number List" screen appears.

2. Select the search parameter.

Pressing the [Fax No.] button displays the search results by fax numbers, in number order.
Pressing the [Name] button displays the search results by recipient first names, in alphabetical order.



3. Enter a search string.

Contacts can be searched for individually, or all at the same time. Wild card characters cannot be used (the actual characters * ? [] will be searched for).

4. Press the [Find] button.

⇒ The search results are displayed on the right side. Five results are displayed at a time.



- Press the [Enter] key to shift focus between search results.
- The number of LDAP search results displayed can be specified. LDAP server settings can be changed by the administrator. For details, refer to "3.6.5 Setting the LDAP Server" (page 64).

5. Select a fax number.
6. Press the [OK] button.
 - ⇒ The fax number is added to the field in the "Send Fax" screen.
 - Only one fax number can be entered at a time.

4.5.2 Adding a Contact to the Fax Number List

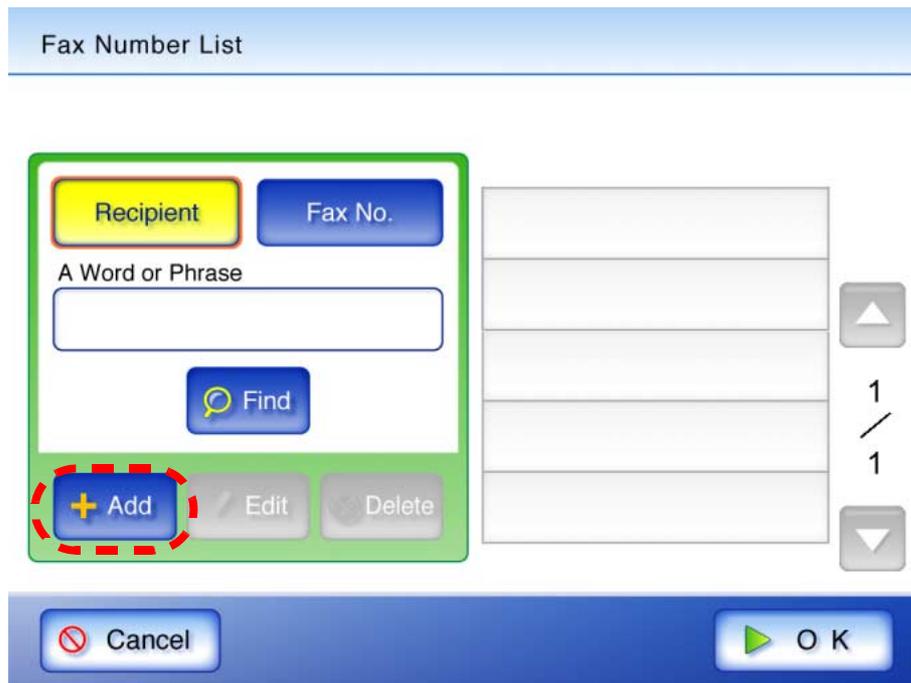
A maximum of 1,000 contacts can be stored in the fax number list.
 Fax contact numbers added to the list are accessible to all users.

1. Open the "Fax Number List" screen.



To access the "Fax Number List" screen, on the "Send Fax" screen, press  .
 Or on the "Main Menu" screen, press the [Maintenance] button, then on the "Maintenance" screen, press the [Edit Fax Numbers] button. For details, refer to "4.11 Maintenance" (page 207).

2. Press the [Add] button.



⇒ The "Add Fax Number" screen appears.

3. Enter the fax contact details.

Recipients may be up to 64 characters long.

Fax numbers may be up to 64 digits long. Numbers and the following symbols can also be used.

-*#

Add Fax Number

Recipient :

Fax No. :



Cancel OK

4. Press the [OK] button.

⇒ The contact is added to the fax number list.

4.5.3 Editing a Contact in the Fax Number List

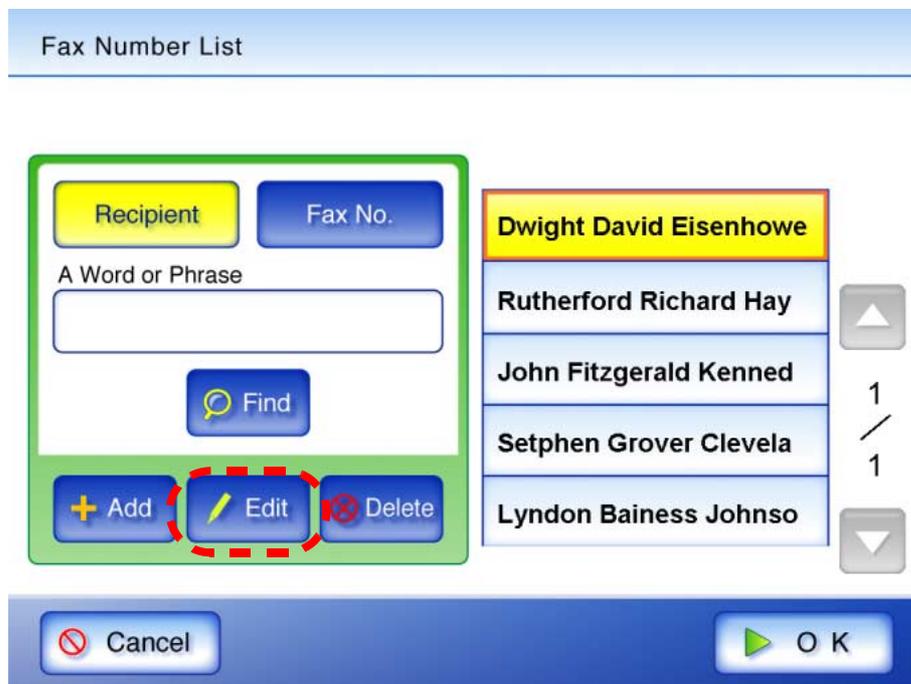
Fax contact numbers edited in the list are accessible to all users.

1. Open the "Fax Number List" screen.



To access the "Fax Number List" screen, on the "Send Fax" screen, press . Or on the "Main Menu" screen, press the [Maintenance] button, then on the "Maintenance" screen, press the [Edit Fax Numbers] button. For details, refer to "4.11 Maintenance" (page 207).

2. Select the fax contact that is to be edited.
3. Press the [Edit] button.



⇒ The "Edit Fax Number" screen appears.

4. Edit the contact information.

Recipients may be up to 64 characters long.

Fax numbers may be up to 64 digits long. Numbers and the following symbols can also be used.

-*#



Edit Fax Number

Recipient :
Dwight David Eisenhower

Fax No. :
123456789

Cancel OK

5. Press the [Edit] button.

⇒ The edited fax number list contact is saved.

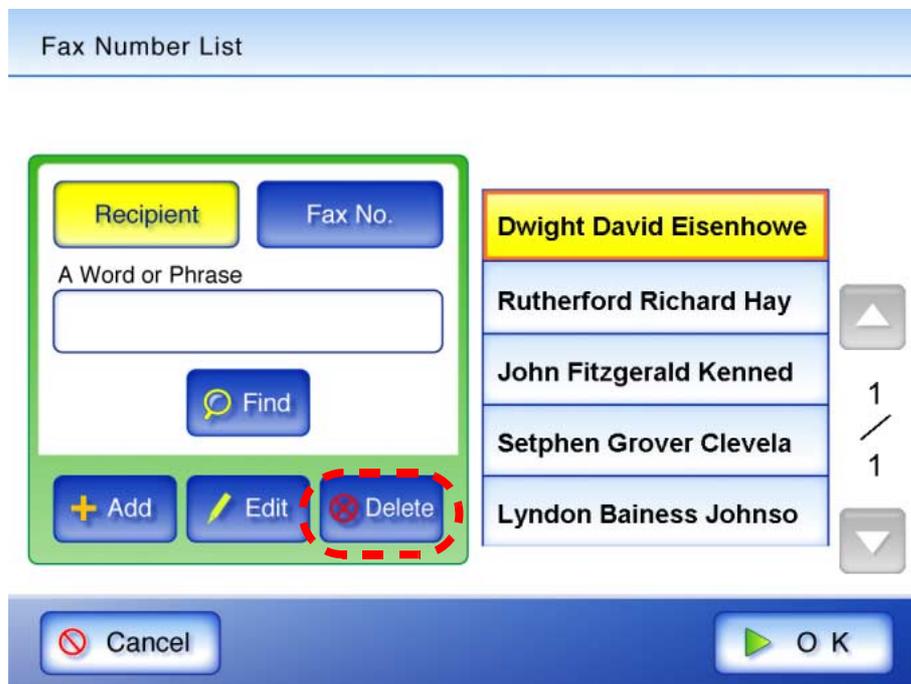
4.5.4 Deleting a Contact from the Fax Number List

Fax contact numbers deleted from the list are no longer accessible to any user.

1. Open the "Fax Number List" screen.

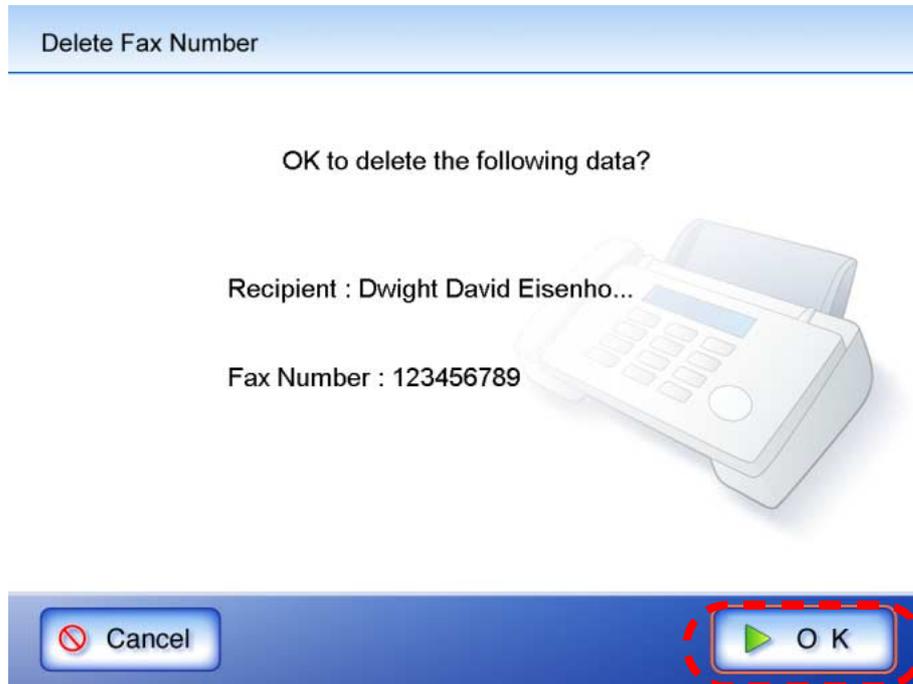
To access the "Fax Number List" screen, on the "Send Fax" screen, press . Or on the "Main Menu" screen, press the [Maintenance] button, then on the "Maintenance" screen, press the [Edit Fax Numbers] button. For details, refer to "4.11 Maintenance" (page 207).

2. Select the fax contact that is to be deleted.
3. Press the [Delete] button.



⇒ The "Delete Fax Number" confirmation screen appears.

4. Check the contact that is set to be deleted is the correct one and press the [OK] button.



⇒ The contact is deleted from the fax number list.

4.6 Saving the Scanned Data to a Network Folder

1. On the "Main Menu" screen, press the [Save] button.

⇒ The "Save" screen appears.

Network folder preferences are saved for each user, and will be shown each time that user logs in.



Scan preferences can be changed by pressing the [Scan Settings] button. For more details, refer to "4.7 Setting the Scan Options" (page 169).

2. Press the [Select] button.

Save

Save in : **Select...**

Save as:

Overwrite old files?

Default On

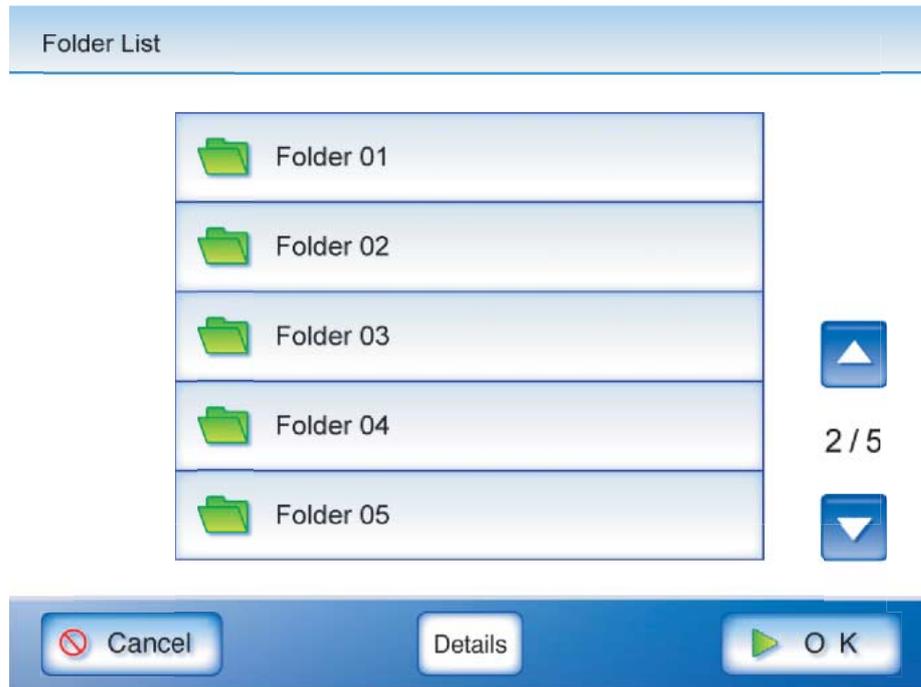
⇒ "The "Folder List" screen appears.

3. Select a network folder.



- On the "Folder List" screen, select a folder and press the [Details] button to view the details of the selected network folder. If a folder path is too long for one line, the path will be automatically split into subsequent lines.
- Only network folders which are in the list may be selected. Only the administrator may add folders to the list, or edit the details of folders already on the list.

For more details about adding network folders, refer to "3.6.8 Setting the Network Folders (File Servers)" (page 73).



4. Press the [OK] button.

⇒ This returns you to the "Save" screen.



User authentication may sometimes be required to access the file server. If authentication is required, the "Folder Server Authentication" screen appears. The authentication procedure is as follows.

1. Enter a "User Name" and "Password" for the file server.

2. Press the [OK] button.

5. In the "Save as:" field, enter a file name for the scanned data to be saved.

File names may be up to 128 characters long.

By default, "Scanner Name" + "Scan Date/Time" is entered.



The following file names cannot be used:

- CON
- PRN
- AUX
- CLOCK\$
- NUL
- COM0 to COM9
- LPT0 to LPT9

6. Select if existing files with the same name are to be overwritten.

The default setting is [No].

If a file name already exists on the network, the existing file will not be overwritten and the scanned data will be lost. Whether or not the file was successfully saved can be checked in the user log.

For more details about accessing the user log, refer to "4.10 Checking the User Log" (page 205).



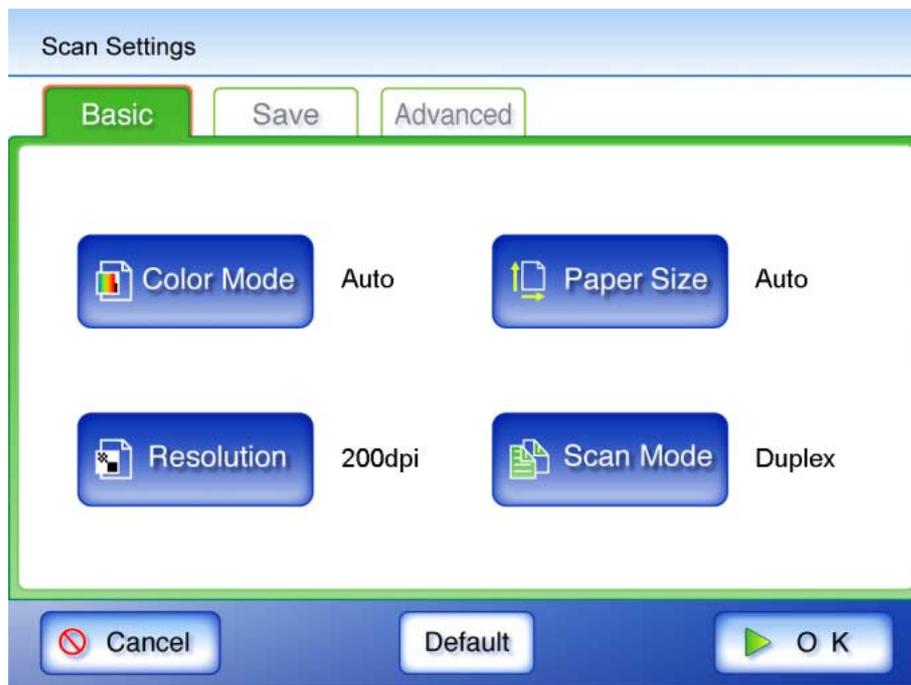
If the saving to the network folder fails, an error message with the following title is sent by e-mail from the scanner to the e-mail address registered in the LDAP server for the currently logged-in user.

Error Message from Network Scanner (Scanner Name: `xxxxxx`)

4.7 Setting the Scan Options

On the following screens, press the [Scan Settings] button to access the "Scan Settings" screens.

- "Send e-Mail" screen
- "Send Fax" screen
- "Save" screen



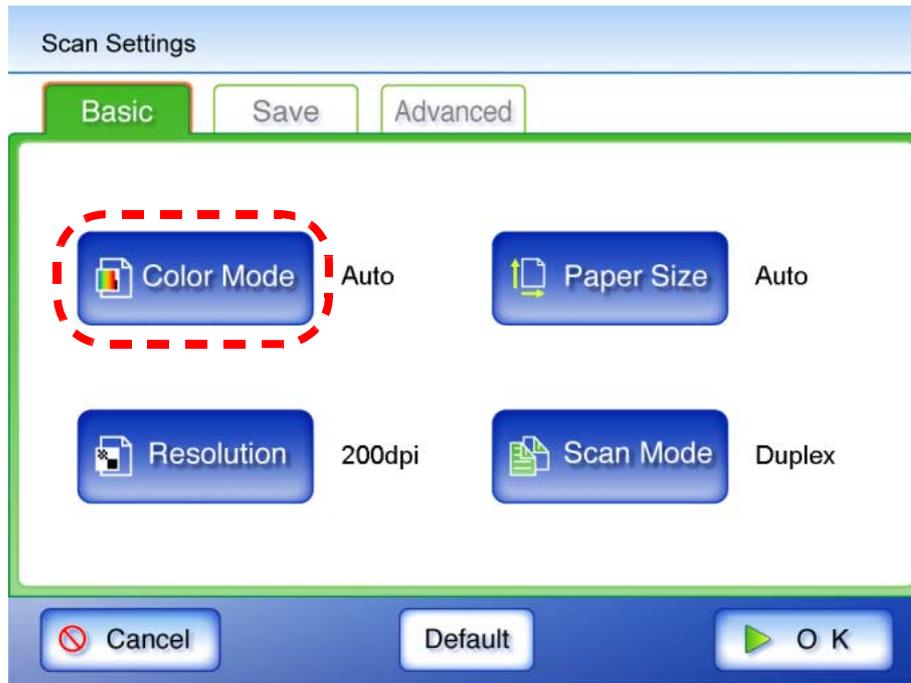
The following two classes of setting options are available.

- Default
These are the factory settings. To put a high priority on the scan speed, press the [Default] button.
- Custom
This is shown when the user has customized any scanning preferences from the "Default" option.
Press each scan option button to set it as desired.
Function settings (for e-Mail, Fax, Save) are saved for each user, and will be used each time that user logs in.
For details, refer to the sections from "4.7.1 Color Mode" (page 171) onward.

4.7.1 Color Mode

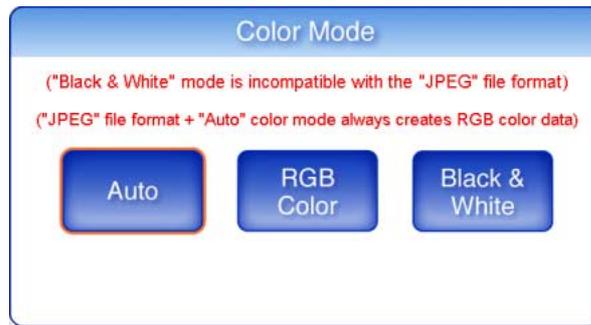
Set whether the document is scanned in "color" or "black and white".

1. On the "Scan Settings" screen, select the [Basic] tab.
2. Press the [Color Mode] button.



⇒ The "Color Mode" screen appears.

3. Select the color mode.



Color Mode	Description
Auto	Automatically decides whether to scan in color or in black and white based on document contents.
RGB Color	Scans documents in color.
Black & White	Scans documents in black and white.

⇒ Selecting a brightness level returns you to the "Scan Settings" screen.

The selected mode is displayed to the right of the [Color Mode] button.



- Usually, the color mode should be set as [Auto].
If this setting is specified, there is no need to change the color mode each time you scan a document.
Note that black and white mode may be automatically selected for the following kinds of documents:
 - Faintly toned nonwhite papers
 - Documents with only a minor amount of color
 - Documents printed in gray or other close-to-black colors.
 To ensure such documents are scanned in color mode, press the [RGB Color] button on the "Color Mode" screen.
- If the [Auto] paper size is selected, the [Custom] paper size Long Page mode cannot be used.
- If the [Black & White] color mode is selected, the following options cannot be used:
 - [JPEG] File Format
 - Compression

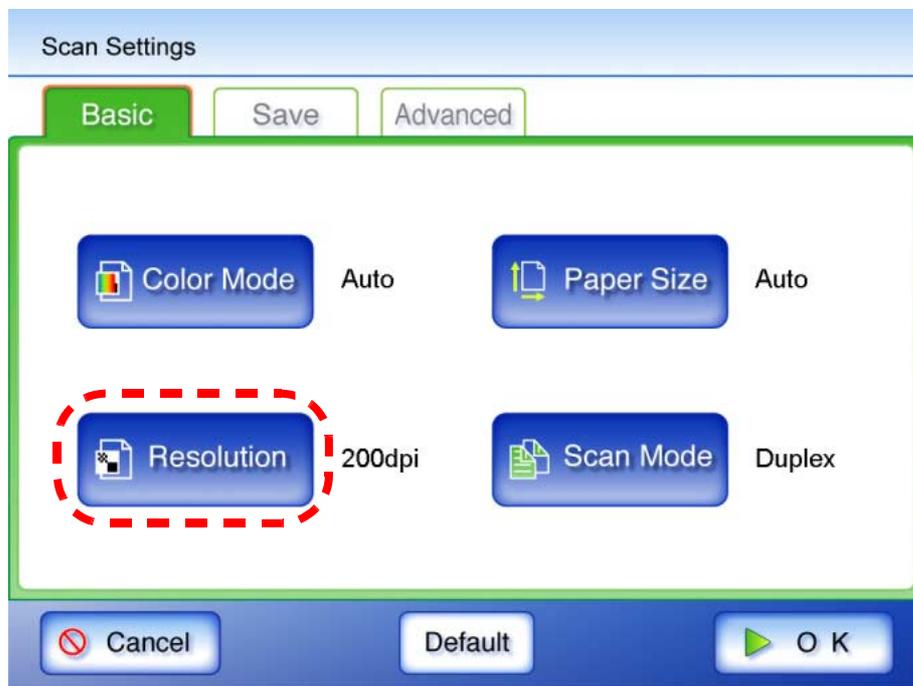


4.7.2 Resolution

Changing the resolution level affects the scan data in the following ways.

	High resolution	Low resolution
Scan speed	Slow	Fast
Scan quality	High	Low
File size	Large	Small

1. On the "Scan Settings" screen, select the [Basic] tab.
2. Press the [Resolution] button.

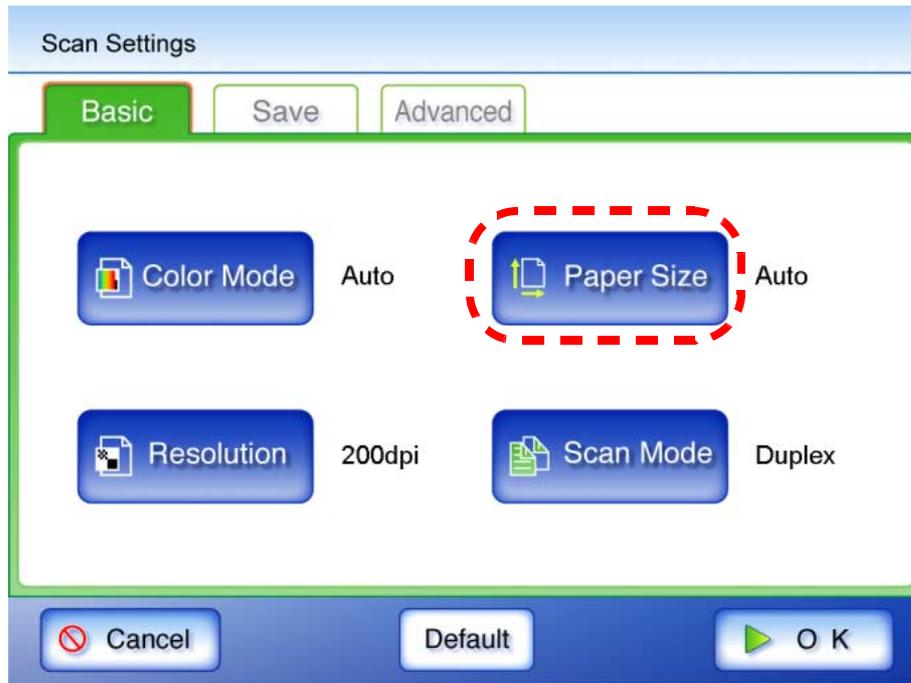


⇒ The "Resolution" screen appears.

4.7.3 Paper Size

Set a paper size for the scan data.

1. On the "Scan Settings" screen, select the [Basic] tab.
2. Press the [Paper Size] button.



⇒ The "Paper Size" screen appears.

3. Select a paper size for the scan data.



Button	Paper size (mm)	Button	Paper size (mm)
A4	210 × 297	Letter	215.9 × 279.4
A5	148 × 210	Legal	215.9 × 355.6
A6	105 × 148	Executive	266.7 × 184.2
B5	182 × 257	Postcard	148 × 100
B6	128 × 182	Business Card	51 × 89

*: All paper sizes are of portrait orientation.

⇒ Selecting a paper size returns you to the "Scan Settings" screen. The selected size is displayed to the right of the [Paper Size] button.



When the [Auto] setting is used, the paper size is set to the same size (Maximum: 215.9mm × 355.6mm) as the actual document being scanned. However, if using any of the following types of documents, the automatic paper size detection may not function correctly:

- Paper of weight less than 52g/m²
- Documents that are not rectangular
- Documents with margins that are filled with dark colors





- If the [Auto] paper size is selected, the [600dpi] resolution may not be selected.
- If a paper size other than [Auto] is selected and only one side of the documents is scanned, artwork on the reverse side of the paper may bleed through onto the front side scan. If this happens, blank pages may not be recognized as such, and thus may not be skipped by the "Skip Blank Page" function. For more details, refer to "4.7.12 Blank Page Skip" (page 194).
- When [Custom] settings are used, any paper size for the scan data can be specified.
 1. Press the [Custom] button.
⇒ The "Custom Paper Size" screen appears.
 2. Enter the paper size for the scan data.
The size ranges that can be set are:
Width: 2in to 8.5in (50.8mm to 216mm)
Height: 2.91in to 14in (74mm to 355.6mm)
If the height is 14in or longer, the paper size setting must be set to allow long pages. For more details, refer to "Long Page Mode" (page 178).



3. Press the [OK] button.
⇒ The custom paper size is set.

■ Long Page Mode

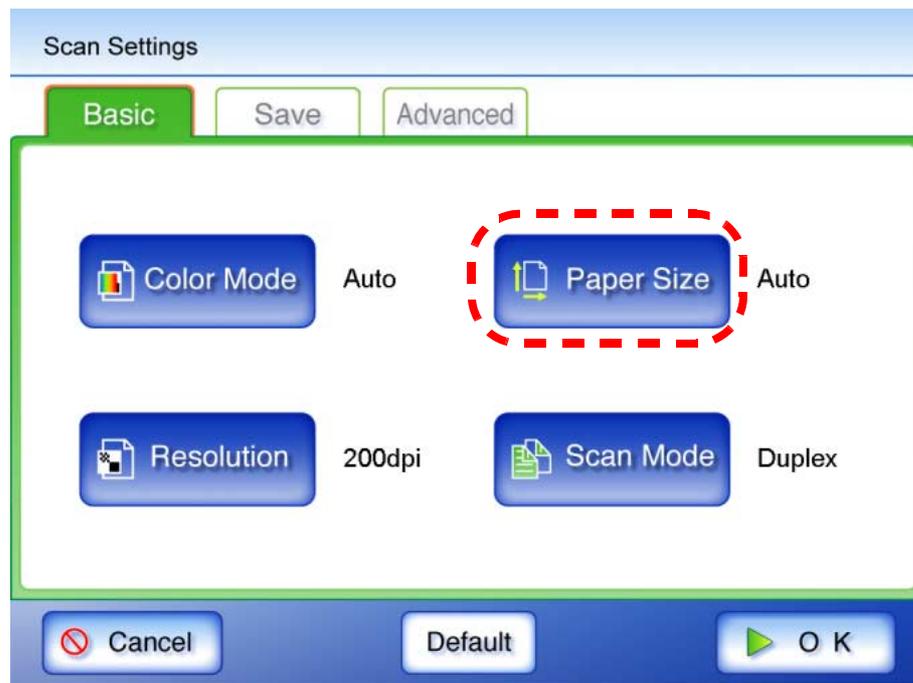
When scanning pages which are longer than standard documents, the "Allow long pages" setting must be specified.



When long page scanning is set, the following settings can not be used.

- [Auto] Color Mode
- [600dpi] Resolution
- Searchable PDF
- Page Orientation
- Blank Page Skip
- Multifeed Setup

1. On the "Scan Settings" screen, select the [Basic] tab.
2. Press the [Paper Size] button.



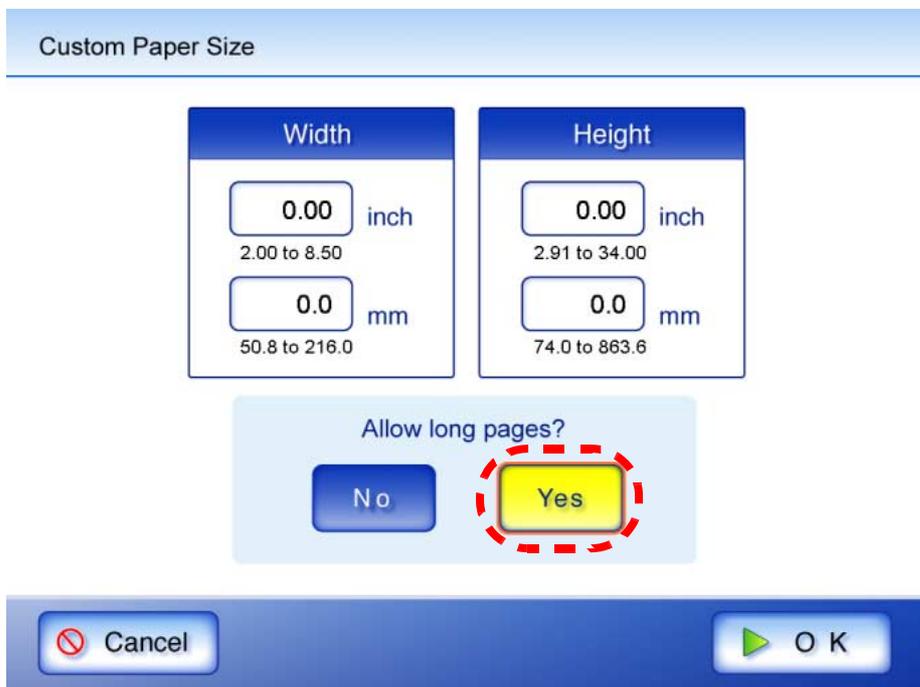
⇒ The "Paper Size" screen appears.

3. Press the [Custom] button.



⇒ The "Custom Paper Size" screen appears.

4. For "Allow long pages?", press the [Yes] button.



5. Enter the paper size for the scan data.

The size ranges that can be set are:
 Height: 2.91in to 34in (74mm to 863.6mm)
 Width: 2in to 8.5in (50.8mm to 216mm).

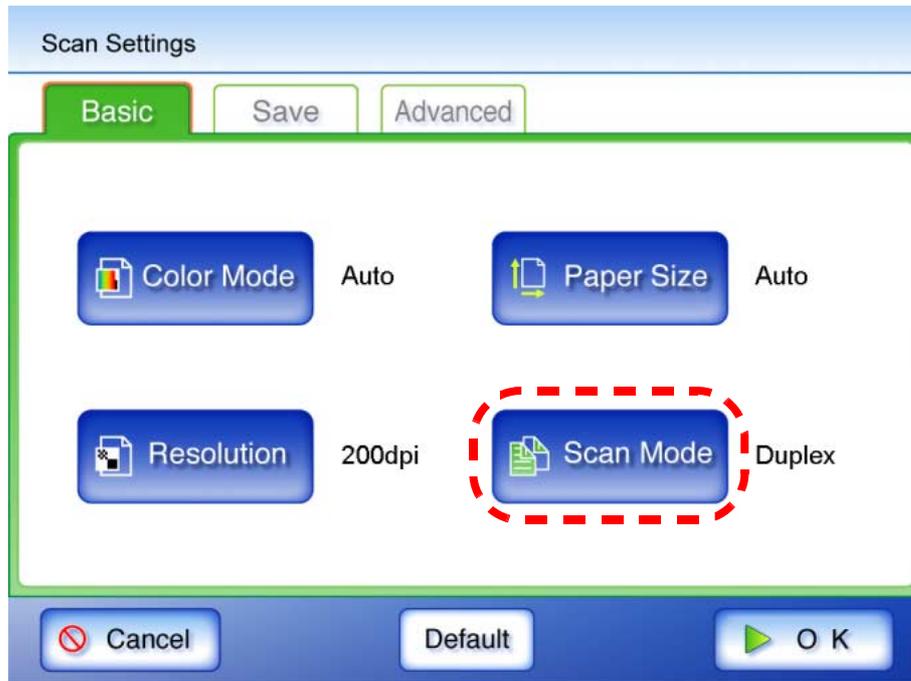
6. Press the [OK] button.

⇒ This returns you to the "Scan Settings" screen. "Custom" is displayed to the right of the [Paper Size] button.

4.7.4 Scan Mode

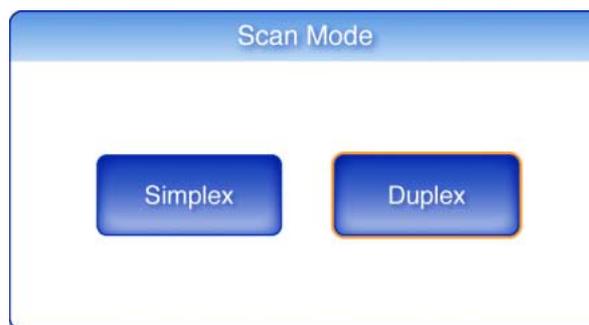
Set whether one side or both sides of documents are scanned.

1. On the "Scan Settings" screen, select the [Basic] tab.
2. Press the [Scan Mode] button.



⇒ The "Scan Mode" screen appears.

3. Select [Simplex] if only the front sides of the documents are to be scanned. Select [Duplex] if both front and reverse sides are to be scanned.



⇒ Selecting a scan mode returns you to the "Scan Settings" screen. The selected mode is displayed to the right of the [Scan Mode] button.

4.7.5 File Format

Set the file format for the scan data.

For some scan settings, it may not be possible to select certain file formats.

Option	PDF	JPEG	TIFF	MTIFF
Searchable PDF	A	—	—	—
PDF Password	A	—	—	—
Compression	A	A	A (*1)	A (*1)

A: Format can be used, —: Format cannot be used

(*1): Can only be used if the "Color Mode" is [Auto] or [RGB Color]

Compression also differs for certain file formats as follows:

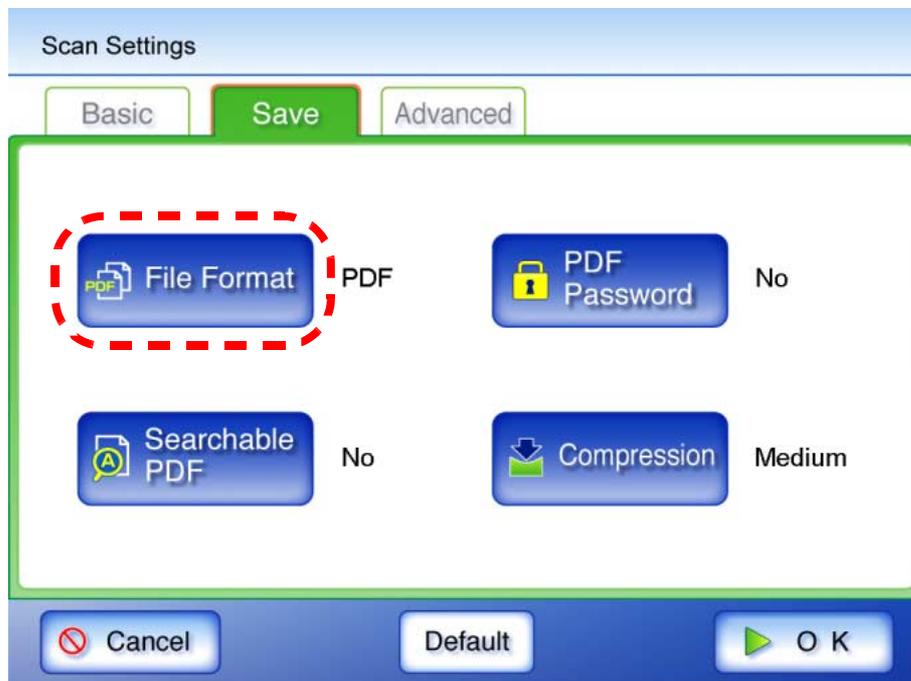
Color Mode	Document	File Format		
		PDF	JPEG	TIFF/MTIFF
Auto	Color	JPEG High Compression for Color PDF	JPEG	JPEG
	Black & White	MMR	(NA)	MMR
RGB Color	Color or Black & White	JPEG High Compression for Color PDF	JPEG	JPEG
Black & White	Color or Black & White	MMR	(NA)	MMR

(NA): Not available



- When PDF format is selected, select whether or not to use "High Compression for Color PDF" mode. When "High Compression for Color PDF" is selected, characters and backgrounds on the document are compressed separately. In order to do this, the file size of the document that mostly consists of text characters becomes smaller while keeping the quality of the characters as they are. However, this mode is not appropriate for scanning photographs or pictures since these graphical materials are recognized as background and compressed as such, causing degradation in the scanned image. If this setting is specified, the contrast of the image may become higher.
- Also, if "High Compression for Color PDF" is selected, the file size of certain documents may be larger compared to the level of compression. The file size of the following kinds of documents may become larger.
 - Documents that contain many pictures and/or graphics but fewer characters written in black
 - Documents of complex layout (e.g. multiple columns)
 - Documents which have a background pattern behind characters
- When scanning documents with many characters at a 300dpi resolution, selecting PDF format can reduce the file size.
- If PDF format is selected, Adobe® Acrobat® Reader 4.0 or later is required to view the created PDF.

1. On the "Scan Settings" screen, select the [Save] tab.
2. Press the [File Format] button.



⇒ The "File Format" screen appears.

3. Select a file format.



⇒ Selecting a file format returns you to the "Scan Settings" screen. The selected format is displayed to the right of the [File Format] button.

4.7.6 Searchable PDF

When the file format is PDF, the scanned data can be converted to a searchable PDF.



The scanner may fail to correctly recognize the following kinds of documents (characters) as text. However, by changing color mode and/or improving image quality for scanning, such a document may be successfully recognized.

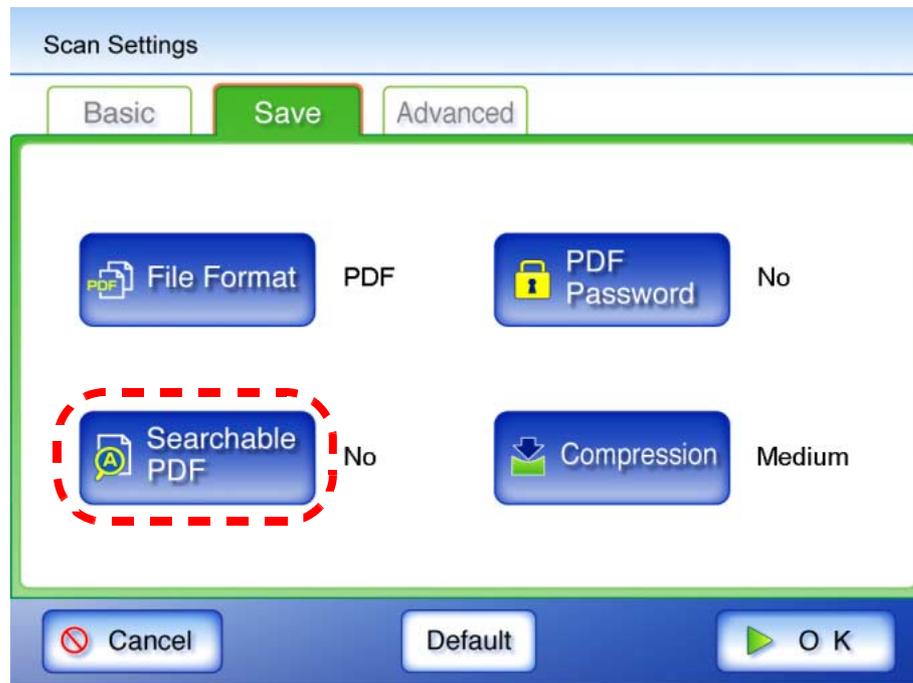
- Handwritten documents
- Documents including smaller characters and scanned in low quality
- Skewed documents
- Documents written in languages other than English
- Documents including texts written in italic characters
- Superscript/subscript letters and complex mathematical formulas
- Characters are written against an unevenly-colored or patterned background
 - Characters to which effects (Shadow, Outline, and the like) are applied
 - Shaded characters
- Documents of complex layout as well as documents including unreadable characters due to print-through and smudges
(For such documents, the recognition time may be long)



Creating a searchable PDF will take some additional time.



1. On the "Scan Settings" screen, select the [Save] tab.
2. Press the [Searchable PDF] button.



⇒ The "Searchable PDF" screen appears.

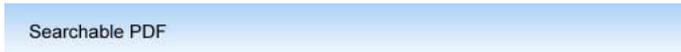
3. Select which pages are to be made searchable in the PDF.



Searchable PDF	Description
No	A searchable PDF is not created.
First Page	Only the first page of the PDF is made searchable.
All Pages	All pages of the PDF are made searchable.
Pages...	Only the specified range of pages in the PDF is made searchable.



- When the resolution is [600dpi], the [All Pages] and [Pages...] options cannot be selected.
- The page numbers set here correspond to those shown on the Preview and "Scan Viewer" windows.
- After pressing the [Pages] button, the "Searchable PDF" screen appears. Multiple ranges of pages cannot be set.
 1. Press the [Pages] button.
⇒ The "Searchable PDF" screen appears.
 2. Enter a start page and end page.
Values between 1 and 999 may be entered.



First Searchable Page Last Searchable Page

to

1 ≤ First Page ≤ Last Page ≤ 999

(These numbers are the same as those in the Preview and Scan Viewer)



3. Press the [OK] button.

⇒ This returns you to the "Scan Settings" screen. The selected range is displayed to the right of the [Searchable PDF] button.

4.7.7 PDF Password

PDF files can be locked with a user-specified password.



The password will need to be entered every time the password protected PDF file is opened. Do not forget or lose this password.

1. On the "Scan Settings" screen, select the [Save] tab.
2. Press the [PDF Password] button.



⇒ The "Require PDF Password" screen appears.

3. Select whether or not a password is required.



⇒ When [Yes] is selected, the "Require PDF Password" screen appears.

4. Enter a password.

Passwords may be up to 16 characters long.

In addition to alphanumeric characters, spaces and the following symbols can be used:

!"#\$%&'()*+,-./:;<=>?@[\\]^_`{|}~



- The "Caps Lock" indicator is on if the keyboard's Caps Lock is set.
- The "Num Lock" indicator is on if the keyboard's Num Lock is set.

5. Press the [OK] button.

⇒ The PDF will be created with password protection.



On the "Require PDF Password" screen, pressing the [No] button cancels the set password.

The next time a password is set, pressing the [Yes] button enters the previously set password by default.

4.7.8 Compression

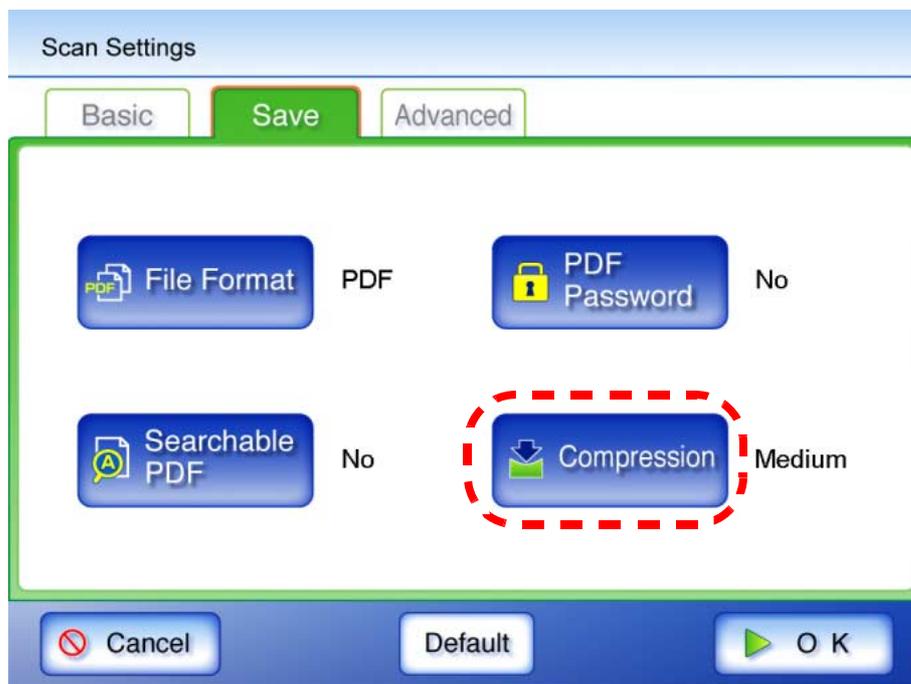
When [Auto] or [RGB Color] is selected for the "Color Mode" (page 171), it is also possible to set the compression level.

Setting a compression level (1 to 5) reduces the file size when scanning documents such as photographs or figures.

Changing the compression level affects the scanned data in the following ways.

	High compression	Low compression
Quality	Low	High
File size	Small	Large

1. On the "Scan Settings" screen, select the [Save] tab.
2. Press the [Compression] button.

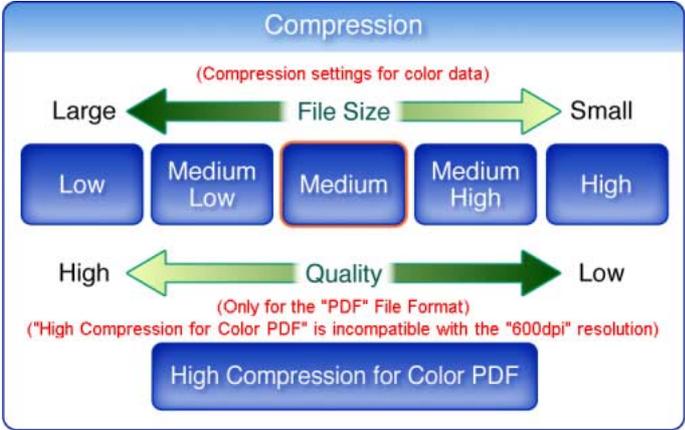


⇒ The "Compression" screen appears.

3. Select a compression level.

The lower the selected compression level is, the higher the quality of the resulting scan will be, but at the expense of a larger file.

When PDF format is selected in "4.7.5 File Format" (page 181), "High Compression for Color PDF" can be used.



⇒ Selecting a compression level returns you to the "Scan Settings" screen. The selected rate is displayed to the right of the [Compression] button.



- When "High Compression for Color PDF" is selected, characters and backgrounds on the document are compressed separately. In order to do this, the file size of the document that mostly consists of text characters becomes smaller while keeping the quality of the characters as they are. However, this mode is not appropriate for scanning photographs or pictures since these graphical materials are recognized as background and compressed as such, causing degradation in the scanned image. If this setting is specified, the contrast of the image may become higher.
- When one color page is scanned, the file size criteria are shown as follows. These numbers are for reference, other documents may vary in size.
Actual paper size: A4 size (general catalog)
File format: PDF
Scanner paper size setting: A4
 - File size (KB) for color files

Resolution	Low	Medium Low	Medium	Medium High	High	High Compression for Color PDF
150dpi	439	243	206	159	95	108
200dpi	721	386	324	248	149	145
300dpi	1656	795	662	491	278	111
600dpi	5472	2592	2176	1670	896	—

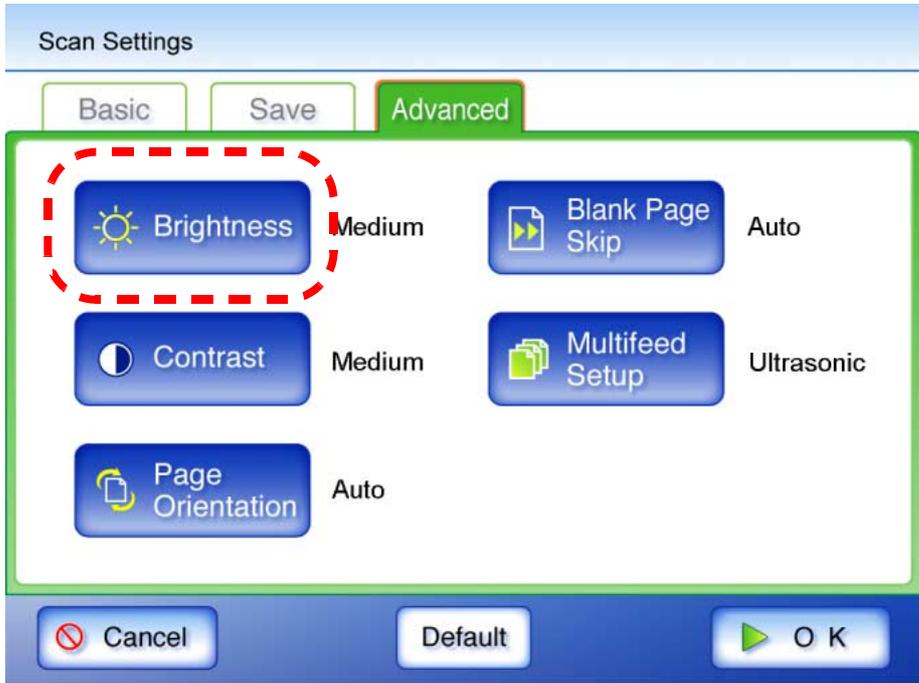
- File size (KB) for black & white files

Resolution	Cannot be set for...
150dpi	44
200dpi	70
300dpi	141
600dpi	472

4.7.9 Brightness

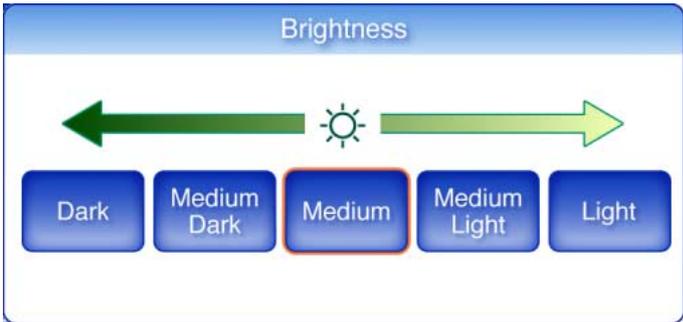
The brightness setting can be adjusted to improve the visual appearance of the scanned data.

- 1. On the "Scan Settings" screen, select the [Advanced] tab.
- 2. Press the [Brightness] button.



⇒ The "Brightness" screen appears.

- 3. Select a brightness level.

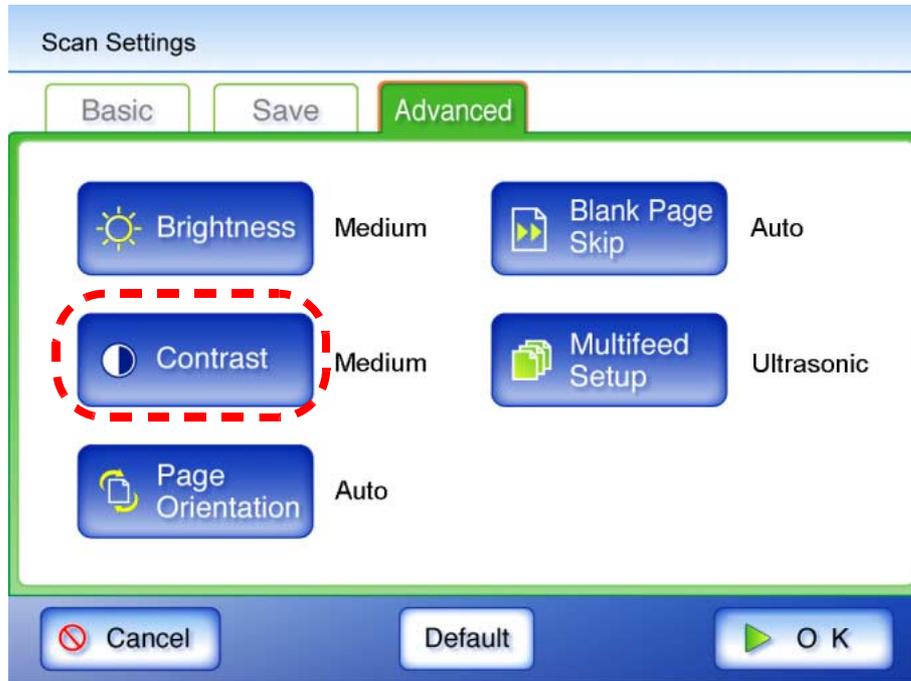


⇒ Selecting a brightness level returns you to the "Scan Settings" screen. The selected level is displayed to the right of the [Brightness] button.

4.7.10 Contrast

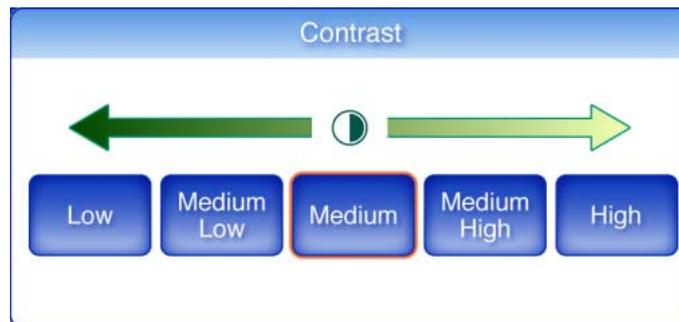
The color contrast setting can be adjusted to improve the visual appearance of the scan.

1. On the "Scan Settings" screen, select the [Advanced] tab.
2. Press the [Contrast] button.



⇒ The "Contrast" screen appears.

3. Select a contrast level.



⇒ Selecting a contrast level returns you to the "Scan Settings" screen. The selected level is displayed to the right of the [Contrast] button.

4.7.11 Page Orientation

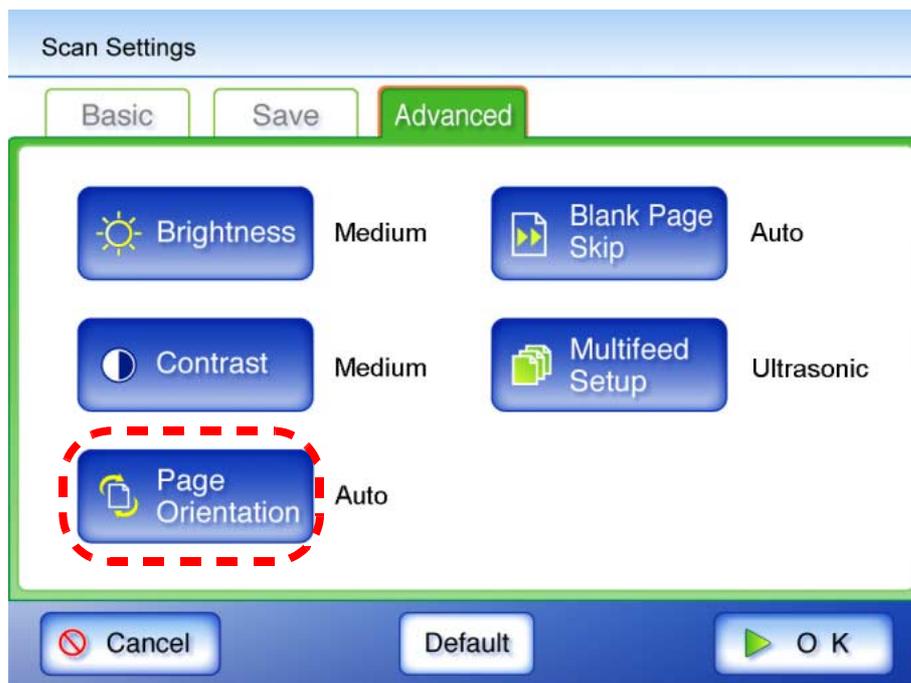
Automatically rotates each scanned data page that contains text through 0°, 90°, 180°, or 270°, so the text is upright.



This function determines a document orientation based on Roman characters printed on the document. Therefore, it may not work properly for the following kinds of documents: When scanning such documents, do not set automatic page orientation.

- Documents with many extremely large/small characters
- Documents on which the pitch of lines or characters is extremely narrow, or characters overlap
- Documents with many characters that contact underlines or ruled lines
- Documents with many photographs or figures and only a few characters
- Documents which have a background pattern behind characters
- Documents with characters printed in various direction (e.g. plans)
- Documents written in languages other than English
- Documents with only capital letters
- Handwritten documents
- Unclear or smeared characters

1. On the "Scan Settings" screen, select the [Advanced] tab.
2. Press the [Page Orientation] button.



⇒ The "Page Orientation" screen appears.

3. Select whether or not automatic page orientation is required.



⇒ This returns you to the "Scan Settings" screen. The selected setting is displayed to the right of the [Page Orientation] button.



Irrespective of what page orientation is decided, pages may still be manually rotated as desired in the "Scan Viewer" screen. For more details about the "Scan Viewer" screen, refer to "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).

4.7.12 Blank Page Skip

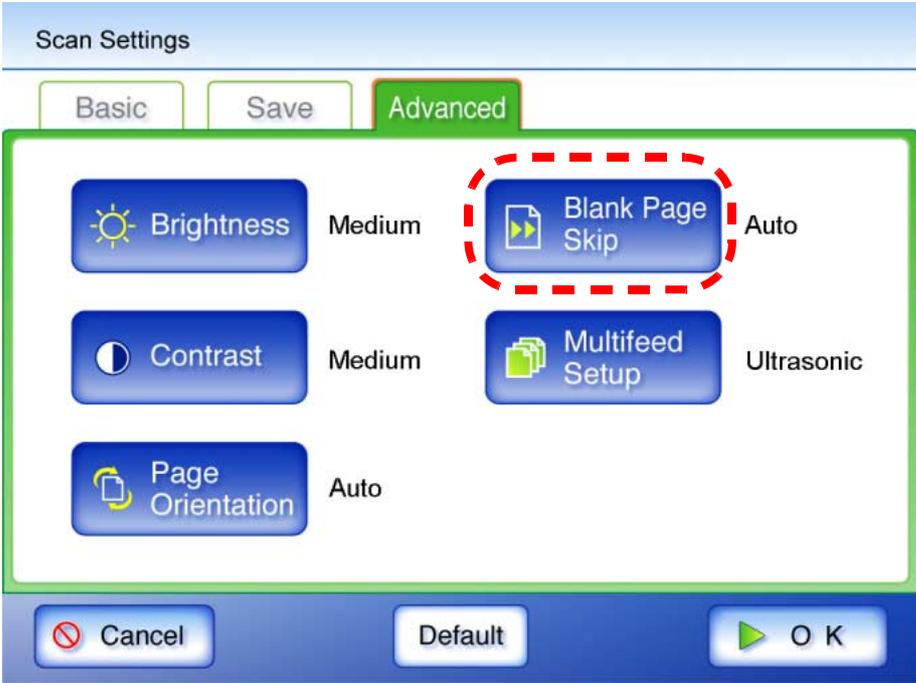
The scan process can be set to skip any blank pages in the scanned document.

For example, when a stack of documents containing both two-sided and one-sided documents is scanned in duplex scan mode, this feature removes only the reverse side (i.e. blank page) of one-sided documents from the scanned data.



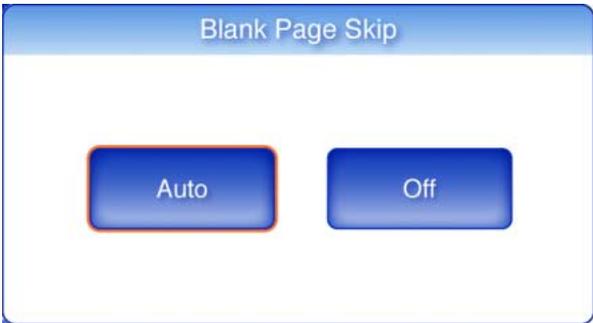
- If the Brightness setting (see "4.7.9 Brightness" (page 191)) is set to [Dark] or [Medium Dark], blank pages may not be recognized as such by the scanner.
- No scanned data is produced if all of the sheets in the document stack are recognized as blank pages.
- The following types of documents may be accidentally recognized as blank pages.
Before discarding the scanned documents, check for pages accidentally removed from the scanned data. If any pages have been removed, the document may need to be re-scanned.
 - Almost blank pages containing only a few characters
 - Page of only one color (including black), without any patterns, lines, or characters.

1. On the "Scan Settings" screen, select the [Advanced] tab.
2. Press the [Blank Page Skip] button.



⇒ The "Blank Page Skip" screen appears.

3. Select whether or not blank pages are to be skipped.



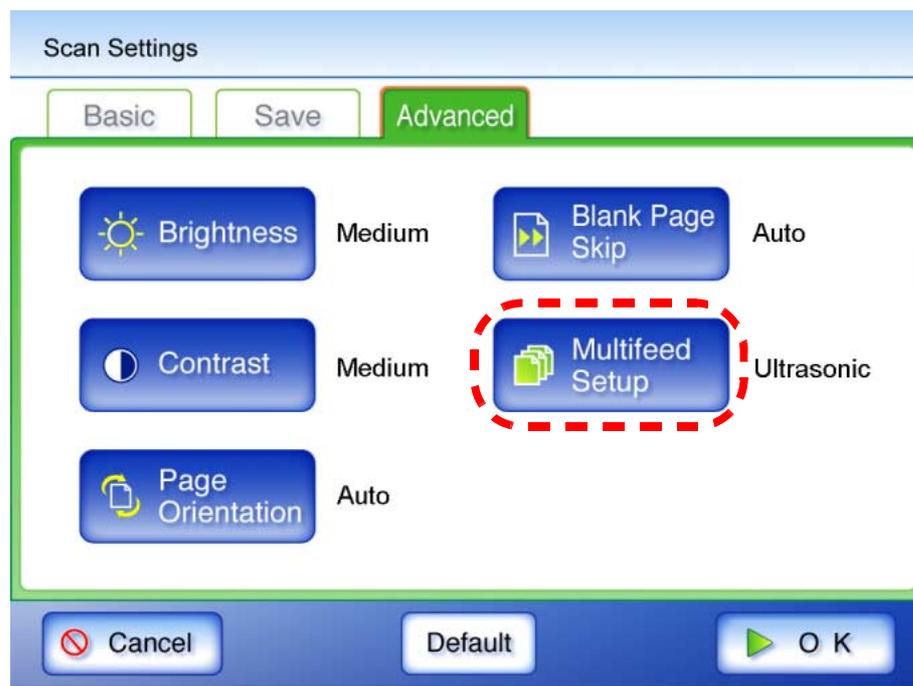
⇒ This returns you to the "Scan Settings" screen. The selected setting is displayed to the right of the [Blank Page Skip] button.

4.7.13 Multifeed Detection (Layer and Length)

"Multifeed" is an error that occurs when two or more sheets are fed simultaneously into the scanner by the ADF. The scanner can be set to detect multifeeds and stop the scan with an error message. Multifeeds are to be detected by layer and length. The following explains how to set whether or not multifeeds are to be detected, and setup multifeed detection method.

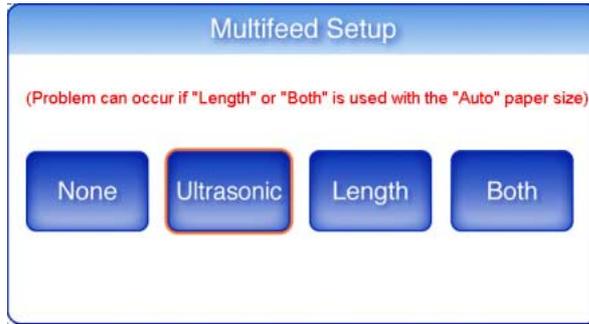
For multifeed requirements, refer to "A.5 Multifeed Detection Conditions" (page 262).

1. On the "Scan Settings" screen, select the [Advanced] tab.
2. Press the [Multifeed Setup] button.



⇒ The "Multifeed Setup" screen appears.

3. If mutlifedds are to be detected, select which detection method is to be used.



Multifeed Setup	Status
None	Multifeeds are not detected. If scanning plastic cards, select [None]. For more details about scanning plastic cards, refer to "A.2 Paper Requirements" (page 257).
Ultrasonic	Multifeeds are detected by layer.
Length	Multifeeds are detected by length.
Both	Multifeeds are detected by both layer and length.



An error will occur if the [Length] or [Both] multifeed setting is used with the [Auto] paper size, and the document bundle being scanned contains different size pages.

⇒ This returns you to the "Scan Settings" screen. The selected setting is displayed to the right of the [Multifeed Setup] button.

4.8 Enabling/Disabling the Scan Viewer

The "Scan Viewer" screen can be set to appear before the scanned data is processed.

The scanned data can be checked and edited on the "Scan Viewer" screen. For details, refer to "4.9 Editing the Scanned Data in the Scan Viewer" (page 201).

If desired, in the following screens, the "Scan Viewer" screen can be set to be appear before the scanned data is finally processed.

- "Send e-Mail" screen
- "Send Fax" screen
- "Save" screen

The following explains how to enable or disable the "Scan Viewer" using the "Send e-Mail" screen.

1. On the "Send e-Mail" screen, press the [Scan Viewer] button.

⇒ Pressing the [Scan Viewer] button will toggle the setting back and forth between "On" and "Off".

The screenshot shows the "Send e-Mail" screen with the following fields and buttons:

- To :** [Empty text field]
- Cc :** [Empty text field]
- Bcc :** [Empty text field]
- Subject :** [Empty text field]
- Body :** [Empty text area]
- File Name :** SCANNER103012007150210
- From :** [Empty text field]

At the bottom of the screen, there is a navigation bar with the following buttons:

- Cancel
- Scan Settings
- Default
- Scan Viewer On** (highlighted with a red dashed circle)
- Scan

Operations after scanning vary according to whether the "Scan Viewer" is set to "On" or "Off".
If sending an e-mail, scan operation proceeds as follows:

**When "Scan Viewer" is "On"
and sending an e-mail**

**When "Scan Viewer" is "Off"
and sending an e-mail**

On the "Send e-Mail" screen, press the [Scan] button.	On the "Send e-Mail" screen, press the [Scan&Send] button.
---	--



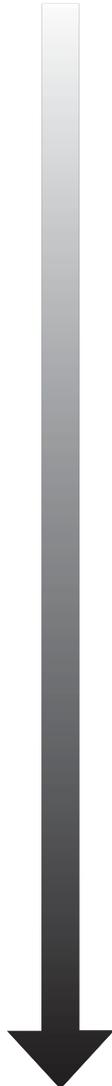
Documents are scanned.



The scanned data is shown on the "Scan Viewer" screen and may be edited.



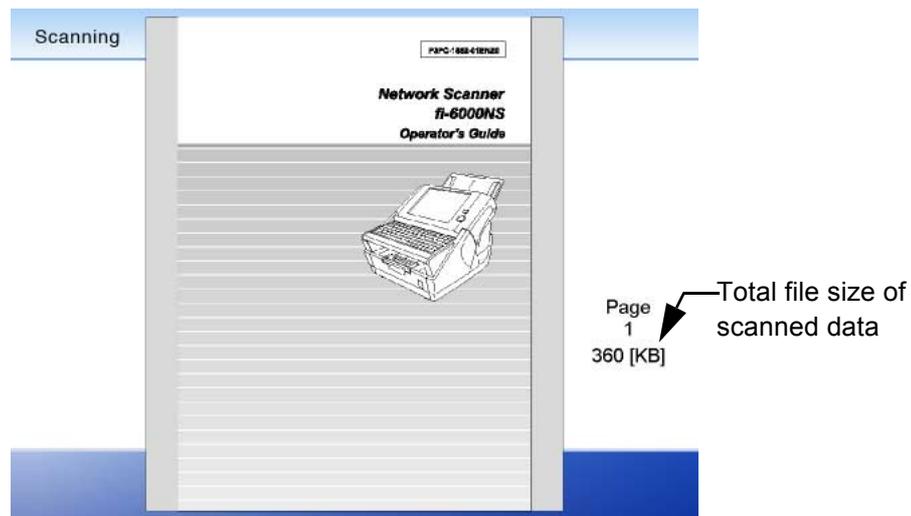
On the "Scan Viewer" screen, check and edit the scanned data, and then press the [Send] button.



The scanned data is sent as an e-mail attachment.



During the scan, the following screen is shown.
The file size is shown in units of 10KB on the right of the screen.
If "High Compression for Color PDF" has been selected, the pre-compression file size is shown.
Note that because the final output file has not been created yet, the actual file size may differ from the estimated value shown.
Also note that skipped blank pages are not included in the total file size page count.



4.9 Editing the Scanned Data in the Scan Viewer

Scanned data can be checked and edited in the "Scan Viewer".

4.9.1 Viewing a Scanned Page

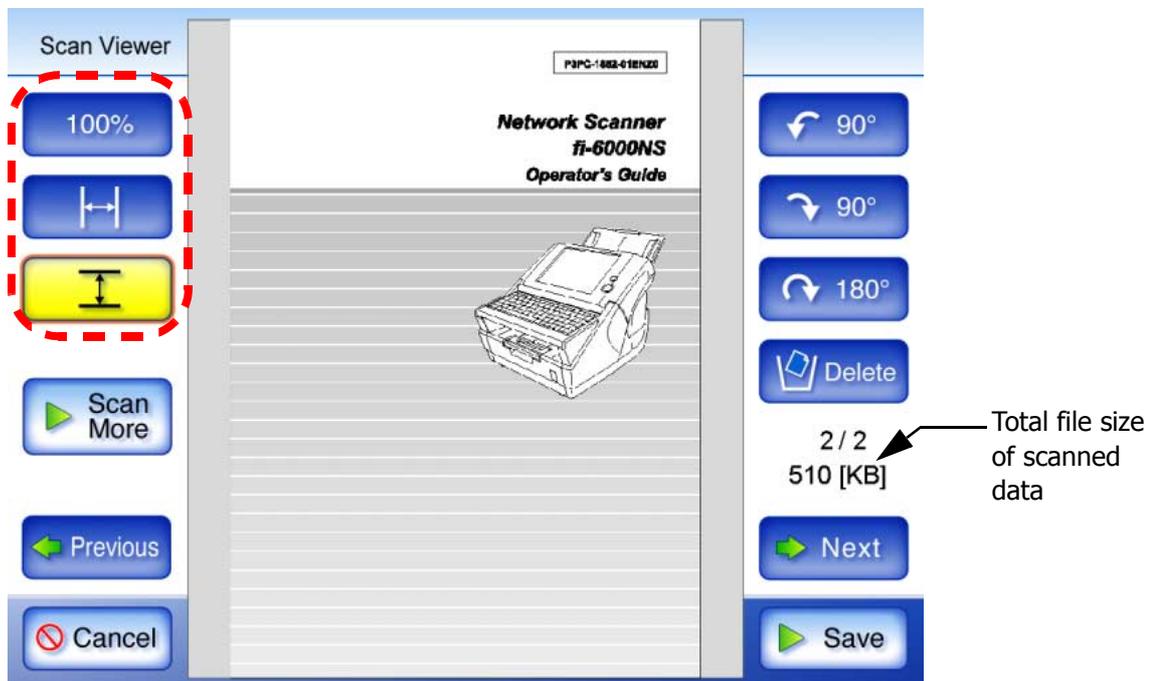
The scanned data shown in the "Scan Viewer" screen can be displayed as actual or reduced size. The scanned data can be moved by dragging it across the screen.

1. On the "Scan Viewer" screen, press the [Previous] or [Next] button to scroll through the pages of scanned data.
2. Check the contents of the page shown.

When  is pressed, the scanned data will be shown without any magnification or reduction.

If  is pressed, the width of the scanned data will be scaled to fit the "Scan Viewer" screen.

If  is pressed, the height of the scanned data will be scaled to fit the "Scan Viewer" screen.



4.9.2 Rotating a Scanned Page

The scanned data showed on the "Scan Viewer" screen can be rotated 90 degrees right or left, or 180 degrees.

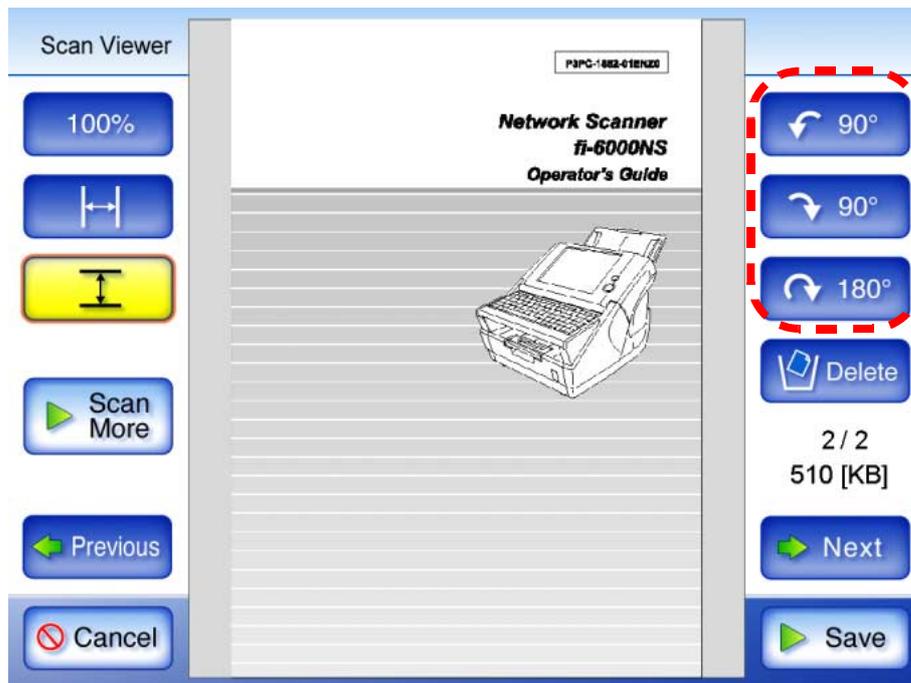
If the scanned data is rotated 90 degrees, the edited scanned data, in its rotated condition, can be sent as an e-mail attachment, by fax, or saved to a network folder.

1. On the "Scan Viewer" screen, press the [Previous] or [Next] button to display the page you wish to rotate.
2. Press either [90°] or the [180°] button.

If  is pressed, the page is rotated 90 degrees to the left.

If  is pressed, the page is rotated 90 degrees to the right.

If  is pressed, the page is rotated 180 degrees.



The actual scanned data is updated to include the rotated page as soon as the button is pressed.

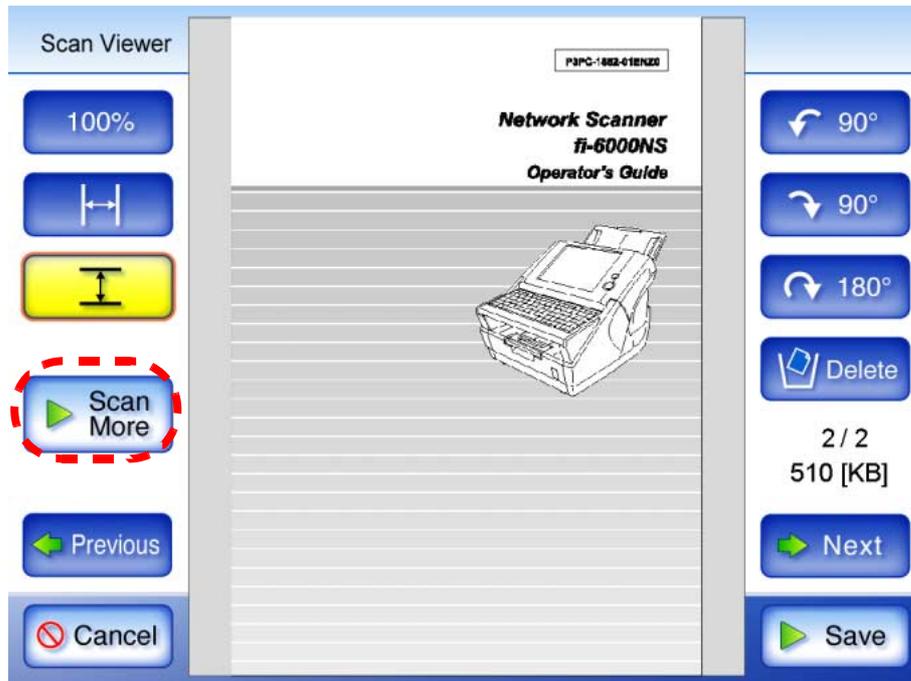
If the [Cancel] button is pressed, all the scanned data is deleted and the screen returns to one of the following.

- Send e-Mail
- Send Fax
- Save

4.9.3 Adding a Scanned Page

On the "Scan Viewer" screen, an additional page can be scanned.

1. Load the documents into the ADF paper chute.
2. On the "Scan Viewer" screen, press the [Scan More] button.



⇒ Scanning starts.

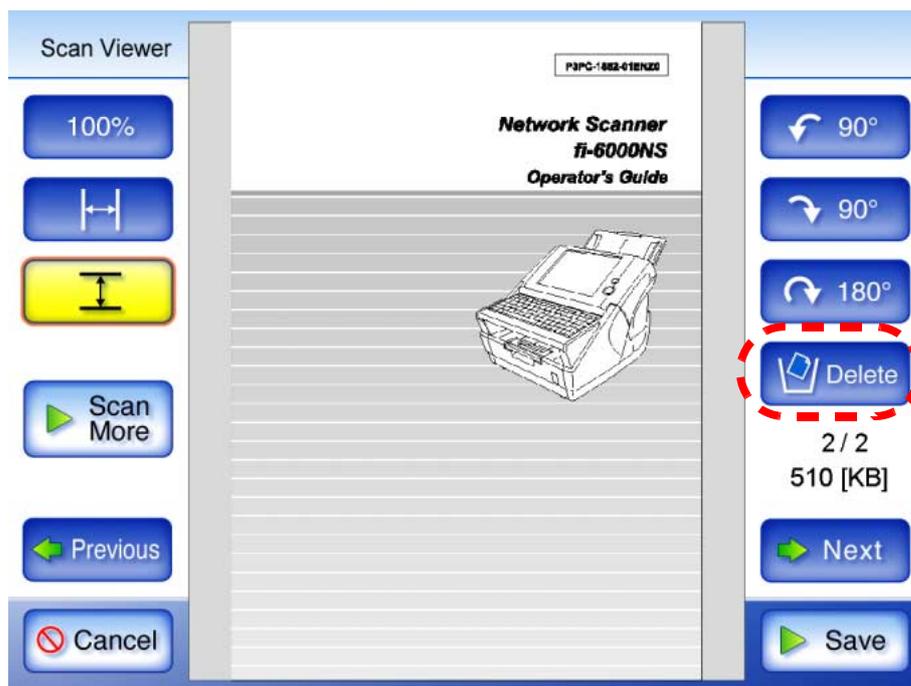
Each page is briefly shown on the screen as it is scanned.

Any additionally scanned pages are added after the current scanned data. The page numbers of additional pages will follow on from the last page of the current scanned data. When the scan has completed, the "Scan Viewer" screen opens and shows any additionally scanned pages.

4.9.4 Deleting a Scanned Page

Specified pages can be deleted from the scanned data shown on the "Scan Viewer" screen. If specified pages are deleted, the remaining scanned data is sent as an e-mail attachment, by fax, or saved to a network folder, without the deleted pages.

1. On the "Scan Viewer" screen, press the [Previous] or [Next] button to display the page you wish to delete.
2. Press the [Delete] button.



⇒ The current page is deleted.



- If the scanned data consists of only one page, that page cannot be deleted. To re-scan the document, press the [Cancel] button.
- The deleted page is removed from the actual scanned data as soon as the button is pressed, so this procedure can not be undone. If the [Cancel] button is pressed, all the scanned data is deleted and the screen returns to whichever one of the following it came from:
 - Send e-Mail
 - Send Fax
 - Save

4.10 Checking the User Log

Up to the latest 100 user operation logs are shown for the current user.

Even if the [Region/Timezone] or [Date/Time] settings are changed, the order of the log entries will not be changed.

1. On the "Main Menu" screen, press the [User Log] button.

⇒ The "User Log" screen appears.

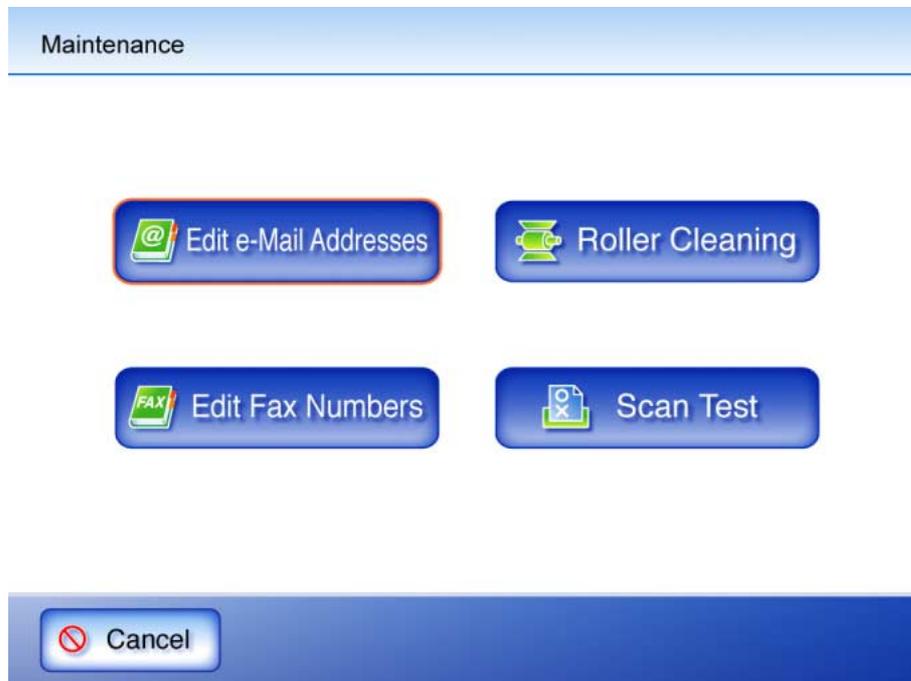
The screenshot shows the 'User Log' screen with a table of log entries. The table has columns for Result, Code, Date, Time, Operation, and Pages. There are also 'Update', 'Previous', 'Next', and 'OK' buttons.

Result	Code	Date	Time	Operation	Pages
OK	00000000	MM/dd/yyyy	HH:mm:ss	Save	18
Error	12020004	MM/dd/yyyy	HH:mm:ss	Fax	1
Error	12010004	MM/dd/yyyy	HH:mm:ss	e-Mail	7
OK	00000000	MM/dd/yyyy	HH:mm:ss	Save	2
OK	00000000	MM/dd/yyyy	HH:mm:ss	Fax	20
OK	00000000	MM/dd/yyyy	HH:mm:ss	Save	2
OK	00000000	MM/dd/yyyy	HH:mm:ss	Save	2
OK	00000000	MM/dd/yyyy	HH:mm:ss	Save	2
OK	00000000	MM/dd/yyyy	HH:mm:ss	Save	1
OK	00000000	MM/dd/yyyy	HH:mm:ss	e-Mail	18

Info	Info options	Description
Result	In Progress	Currently processing a scan operation.
	OK	Operation completed successfully.
	Error	Operation failed to complete successfully.
Code	xxxxxxx	Shows a code for each operation. For details, refer to "C.2 Regular User Messages" (page 291).
Date	MM/dd/yyyy dd/MM/yyyy yyyy/MM/dd	Shows the date of each operation (format specified on the Date/Time screen is used). For details, refer to "Setting the Date/Time" (page 44)
Time	HH:mm:ss	Shows the time of each operation.

4.11 Maintenance

1. On the "Main Menu" screen, press the [Maintenance] button.
⇒ The "Maintenance" screen appears.



- Pressing the [Edit e-Mail Addresses] button opens the "e-Mail Address Book" screen. e-Mail addresses can be added, edited, or deleted on the "e-Mail Address Book" screen. For details, refer to "4.4.2 Adding a Contact to the e-Mail Address Book" (page 148) , "4.4.3 Editing a Contact in the e-Mail Address Book" (page 150), or "4.4.4 Deleting a Contact from the e-Mail Address Book" (page 152).
- Pressing the [Edit Fax Numbers] button opens the "Fax Number List" screen. Fax numbers can be added, edited, or deleted on the "Fax Number List" screen. For details, refer to "4.5.2 Adding a Contact to the Fax Number List" (page 158) , "4.5.3 Editing a Contact in the Fax Number List" (page 160), or "4.5.4 Deleting a Contact from the Fax Number List" (page 162).
- Pressing the [Roller Cleaning] button opens the "Roller Cleaning" screen. The "Roller Cleaning" screen allows the ADF rollers to be step rotated for cleaning. For details, refer to "Feed rollers" (page 214).
- Pressing the [Scan Test] button starts scan test. Scanned data can be checked on the "Scan Viewer" screen.
Use this to check that the scanner scans normally.
For more details about the "Scan Viewer" screen, refer to "5.6 Performing a Scan Test" (page 225).

Chapter 5

Scanner Care

Admin

User

This chapter describes how to clean the scanner and replace worn out parts, in order to maintain the scanner in optimum scanning condition.



The glass scanner windows inside the ADF can become hot when the scanner is used.

Before cleaning inside the scanner or replacing any parts, turn off the power, unplug the AC adapter from the outlet, and wait for at least 15 minutes.

The power does not need to be turned off when cleaning the feed rollers.

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5.1 Cleaning

5.1.1 Cleaning Materials

The following table shows the cleaning materials to be used with this scanner.

Item	Part No.	Remarks
Cleaner F1 (or isopropyl alcohol) 	PA03950-0352	1 bottle (100 ml) Moisten the cloth with this fluid and use to wipe parts clean.
Soft, dry cloth	Any commercially available lint-free product	

To obtain Cleaner F1, contact your FUJITSU dealer or an authorized FUJITSU scanner service provider.

5.1.2 Which Parts and When

Clean all parts after every 1,000 sheets scanned.

- Pad assembly
- Feed rollers
- Pick roller
- Idler rollers
- Glass scanner windows
- Ultrasonic sensor



The scanner must be cleaned more frequently when the following types of documents are used:

- Coated paper
- Documents with large areas of printing
- Chemically treated paper such as carbonless paper
- Paper containing large amounts of calcium carbonate filler
- Documents written in pencil
- Documents with insufficiently fused toner

5.2 Cleaning the ADF

The ADF should be cleaned after approximately every 1,000 scanned sheets. However, this criteria varies according to the type of documents scanned. For example, it may be necessary to clean the ADF more frequently when documents with insufficiently fused toner are scanned.

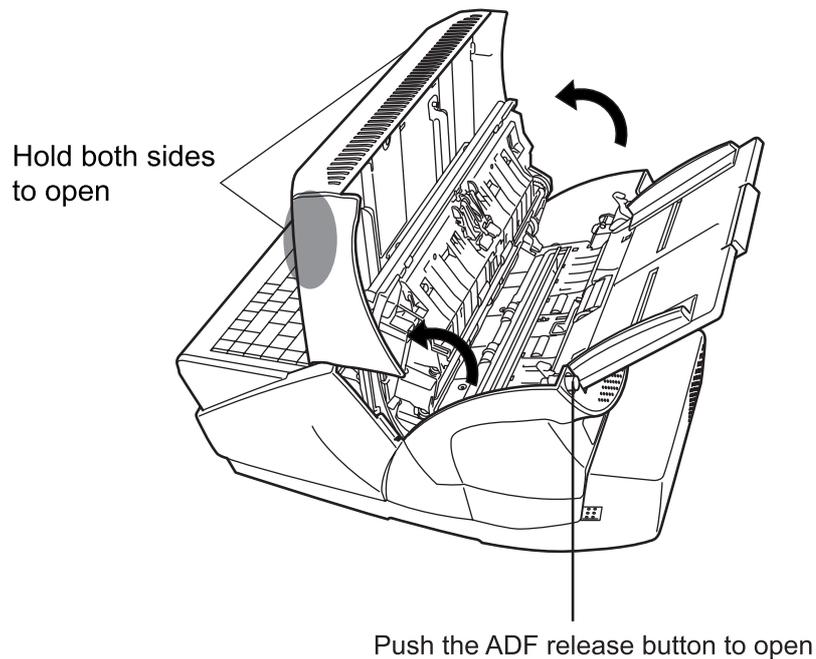


The glass scanner windows inside the ADF can become hot when the scanner is used.

Before cleaning the inside of the scanner, disconnect the AC adapter from the power outlet, and wait for at least 15 minutes to let the glass scanner windows cool down.

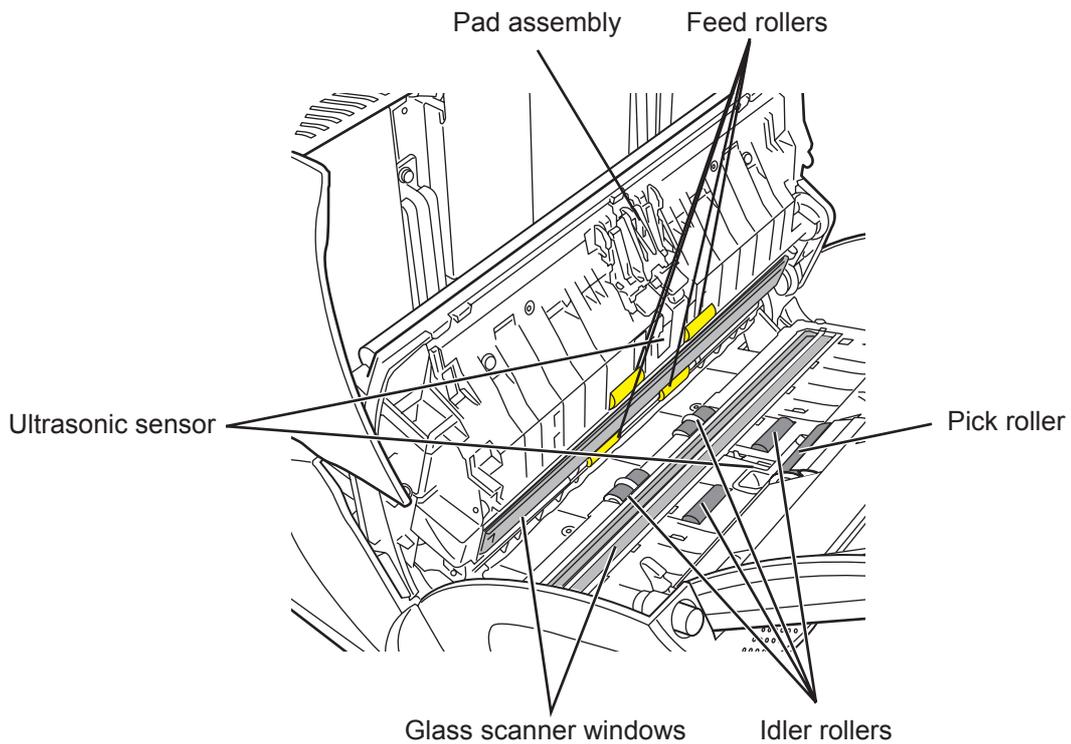
5.2.1 Cleaning the ADF

1. Push the ADF release button, then hold both sides of the top cover and lift it open.



Be careful that the top cover does not shut on your fingers.

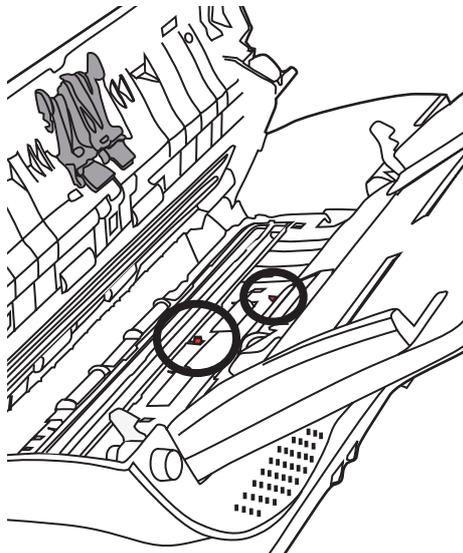
2. Clean the following parts with a soft cloth moistened with cleaner F1.



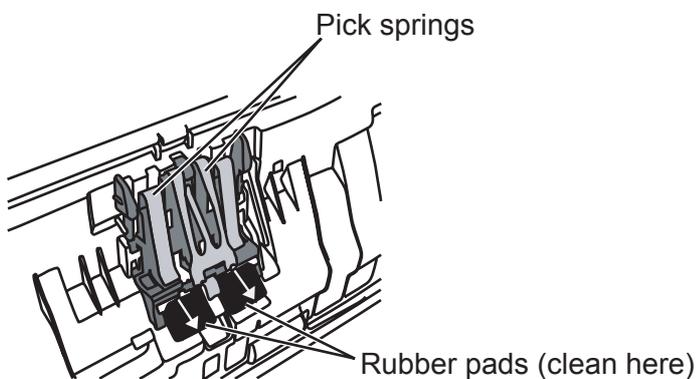
No.	Part name	Cleaning method
1	Pad assembly	Refer to "Pad assembly" (page 213).
2	Feed rollers (× 4)	Refer to "Feed rollers" (page 214).
3	Pick roller (× 1)	Refer to "Pick roller" (page 215).
4	Idler rollers (× 4)	Refer to "Idler rollers" (page 215).
5	Glass scanner windows (× 2)	Refer to "Glass scanner windows" (page 215).
6	Ultrasonic sensor (× 2)	Refer to "Ultrasonic sensor" (page 215).



When cleaning inside the ADF, take care that the cloth does not get snagged by the document sensors and damage them.



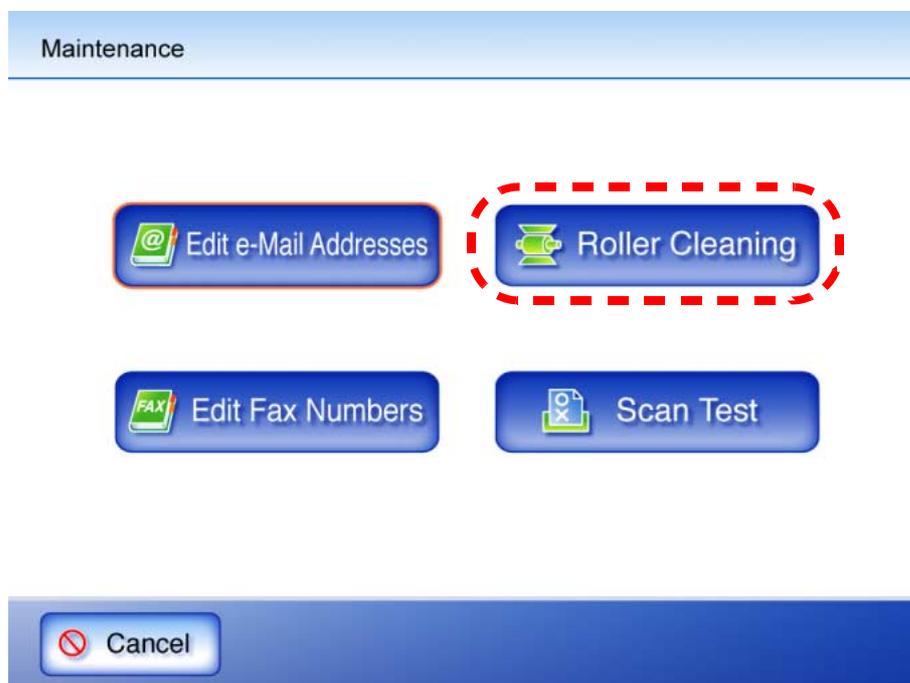
- Pad assembly
Clean the rubber pads by gently wiping downwards in the direction of the arrows. Take care not to snag and bend the pick springs.



- Feed rollers

Use the following procedure when cleaning the feed rollers.

1. On the "Main Menu" screen, press the [Maintenance] button.
⇒ The "Maintenance" screen appears.
2. Press the [Roller Cleaning] button.



⇒ The "Roller Cleaning" screen appears.

3. Open the top cover.
4. Lightly press a soft cloth moistened with cleaning fluid against the surface of the feed rollers.
5. Press the [c] key on the keyboard.
⇒ The feed rollers will advance one step each time the [c] key is pressed.
Lightly press a soft cloth moistened with cleaning fluid against the surface of the rotating rollers to clean them. Pressing the [c] key seven times will turn the roller one complete revolution. The feed rollers should be cleaned carefully and thoroughly, as dirty pick rollers can adversely affect the paper pickup performance.

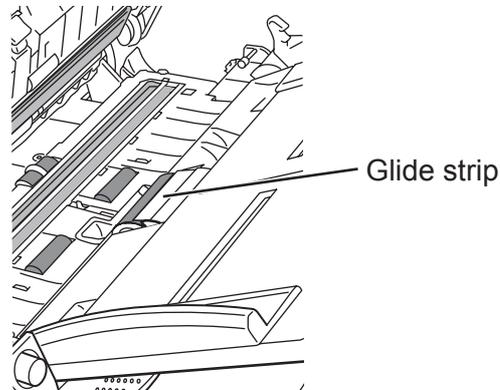


In Step 5, all four feed rollers will turn at the same time. When cleaning the feed rollers, be careful not to touch the rollers with your fingers while they are rotating.



- Pick roller

Gently rotate the pick roller as you wipe its surface clean, taking care not to damage the soft rubber. The pick roller should be cleaned carefully and thoroughly, as dirty pick rollers can adversely affect the paper pickup performance. When cleaning the pick roller, also be careful not to damage the black plastic glide strip.



- Idler rollers

Gently rotate the idler rollers as you wipe them clean, taking care not to scratch or ding them, or tear the sponge wheels. The idler rollers should be cleaned carefully and thoroughly, as dirty idler rollers can adversely affect the paper pickup performance.

- Glass scanner windows

Clean lightly with a soft cloth moistened with cleaner F1.



A vertical black line on the scanned data may indicate the glass scanner windows are dirty.

- Ultrasonic sensor

Clean lightly with a soft cloth moistened with cleaner F1.

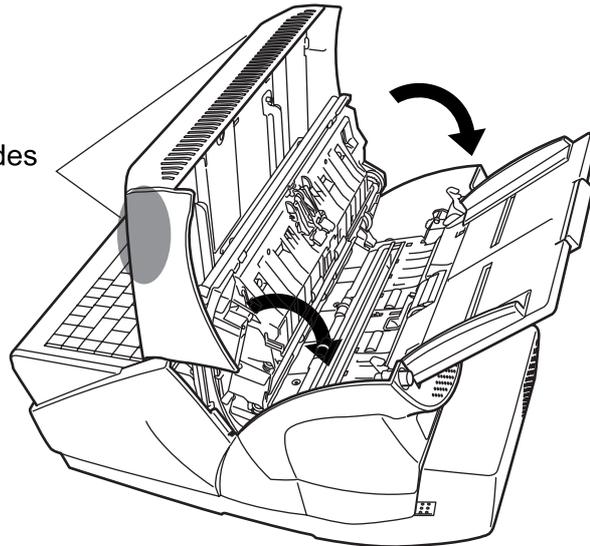
3. Holding both sides of the top cover, return it to its original position.



- Make sure that the top cover is completely closed. If not completely closed, document jams and feeding errors may occur.
- When closing the top cover, do not slam it shut by pushing the touch panel as this may damage it.



Hold both sides
to close



5.3 Cleaning the LCD Touch Panel

To prevent the touch panel screen from becoming dirty, it should be regularly cleaned with a soft, dry cloth.

Take care when cleaning the touch panel. It can be easily damaged, and should never be scratched or banged with hard objects.



Always use a dry (not damp) cloth to clean the screen.

If dust is allowed to collect and compact around the frame of the screen, it can cause the touch panel to malfunction.



5.4 Cleaning the Keyboard

To prevent the keyboard from becoming dirty, it should also be regularly cleaned with a soft, dry cloth.

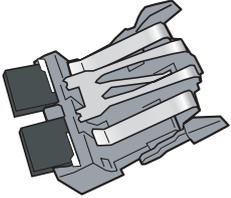
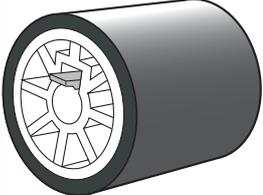


Always use a dry (not damp) cloth to clean the keyboard.



5.5 Replacing Parts

The following table specifies the replacement part numbers, the standard replacement cycles, and the color of the [Consumable Alert] button.

Part name	Part No.	Replacement cycle	[Consumable Alert] button color
Pad assembly (PAD ASSY) 	PA03289-0111	After every 50,000 sheets scanned or once a year (when using 64 g/m ² (17lb) A4/Letter woodfree or wood containing paper)	Green until the number of documents scanned reaches 45,000 sheets. Orange after 45,000 sheets. Red after 50,000 sheets.
Pick roller 	PA03289-0001	After every 100,000 sheets scanned or once a year (when using 64 g/m ² (17lb) A4/Letter woodfree or wood containing paper)	Green until the number of documents scanned reaches 95,000 sheets. Orange after 95,000 sheets. Red after 100,000 sheets.

These replacement cycles are rough guidelines. They may vary according to the type of documents scanned, scanner usage, and cleaning frequency.



- When the [Consumable Alert] button becomes orange or red, contact your scanner administrator to replace the necessary part.
- Use only the PFU LIMITED parts specified. Do not use consumable parts made by other manufacturers.



To obtain these parts, contact your FUJITSU dealer or an authorized FUJITSU scanner service provider.

1. Press the [Consumable Alert] button.
 ⇒ The "Consumable Alert" screen appears.
2. Check which part needs to be replaced and press the [OK] button.
 Parts whose "Usage Counter" value is bigger than the "Replace at" value should be replaced. The value of the "Usage Counter" is in units of 500 sheets scanned. For details on how to check the status of consumable parts on the administrator screen, refer to "3.7.2 Viewing the Usage Status" (page 92).



Part	Usage Counter	Replace At	Current Status
Pad Assembly	3,500	50,000	Normal
Pick Roller	3,500	100,000	Normal



3. Replace the part.
 Part replacement procedures are detailed in the following sections, "Replacing the Pad Assembly" (page 220), "Replacing the Pick Roller" (page 221).

5.5.1 Replacing the Pad Assembly

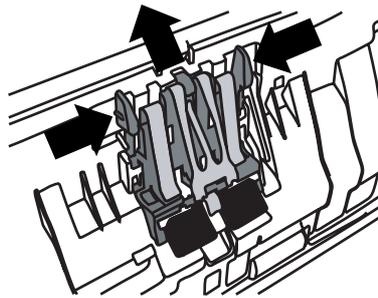
1. Remove any documents from the ADF paper chute.
2. Push the ADF release button, then hold both sides of the top cover and lift it open.



Be careful that the top cover does not shut on your fingers.

3. Remove the pad assembly from the scanner.
Squeeze the prongs on either side of the pad assembly together and pull it upwards and to the front, taking care not to snag the pick springs.

Squeeze prongs together and pull up



4. Insert the new pad assembly.
Holding the new pad assembly by its sides, insert into the pad assembly socket, taking care not to snag the pick springs.



Make sure that the pad assembly is firmly and fully inserted. If it is not correctly attached, document jams and other feeding errors may occur.

5. Close the top cover.

You should hear a click when it is returned to its original position.



Be careful that the top cover does not shut on your fingers.



6. Reset the pad assembly usage counter.

The usage counter must be reset by an administrator. For details, refer to "Resetting the Usage Counter" (page 94).

5.5.2 Replacing the Pick Roller

1. Remove any documents from the ADF paper chute.
2. Remove the ADF paper chute.
3. Push the ADF release button, then hold both sides of the top cover and lift it open.

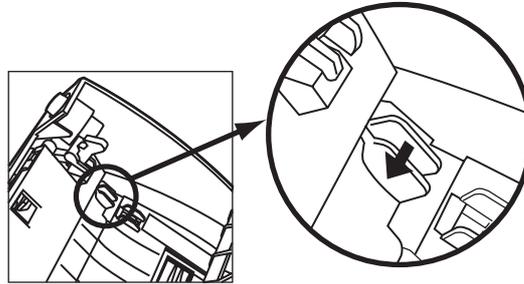


Be careful that the top cover does not shut on your fingers.

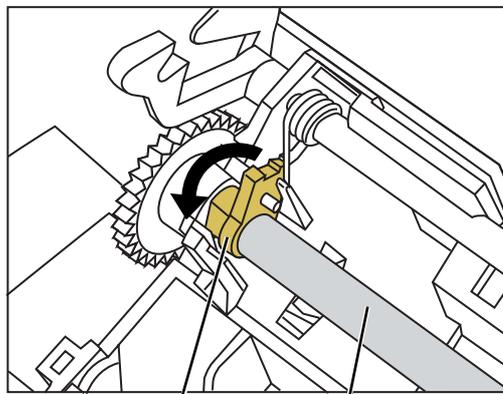


4. Remove the pick roller and its shaft from the scanner.

1. Squeeze the tabs of the sheet guide release catch together with your fingers, and lift the sheet guide plate up and away.

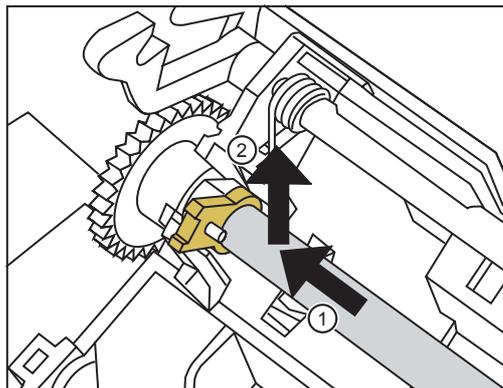


2. Rotate the left side pick roller bushing in the direction indicated by the arrow.



Pick roller bushing Pick roller shaft

3. Gently lift and slide the pick roller shaft out of the left side of the ADF in the direction of the arrow. Be careful as it is easy to bind the shaft in the right side bushing.



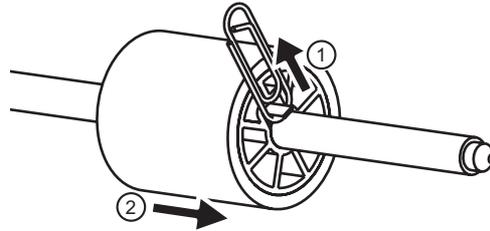
The pick roller bearing may be hard to rotate. Do not try to turn it with your fingernail. Use a paper clip to turn the roller bearing if you can not rotate it with your fingertip.

5. Remove the pick roller from the shaft.

Lift up the lock tab and slide the pick roller off the shaft.

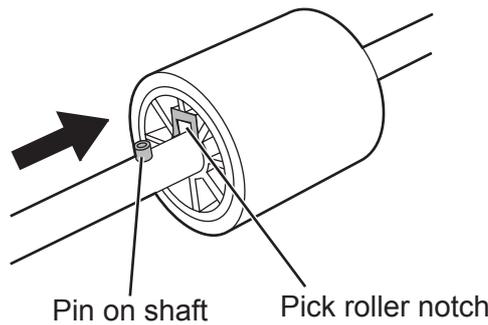


Take care if lifting the pick roller lock tab with your fingernail as it may get chipped or broken. If worried, try lifting the tab using a paper clip as shown in the following diagram.

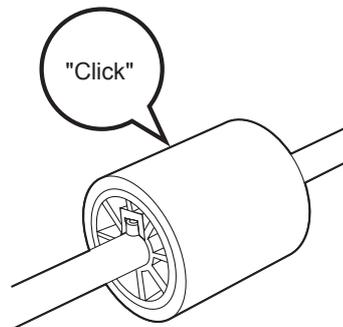


6. Attach the new pick roller.

Insert the shaft into the new pick roller, aligning the protruding pin on the shaft with the matching notch in the pick roller.



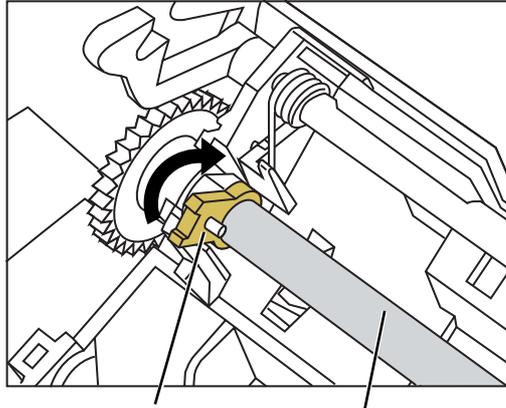
Make sure that the pick roller shaft is fully inserted. If it is not correctly attached, document jams and other feeding errors may occur. You should hear a "click" when the pick roller shaft is inserted correctly. Make sure you hear this noise when inserting the shaft into the pick roller.



7. Insert the pick roller and shaft back in the scanner.

To attach the pick roller to the scanner, follow the pick roller and shaft removal procedure in reverse.

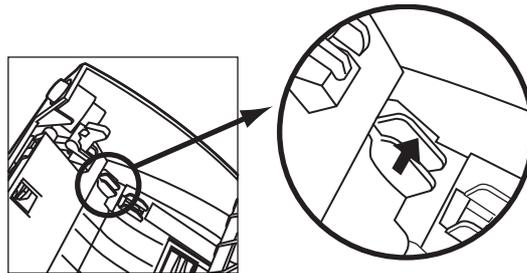
1. Rotate the left side pick roller bushing in the direction indicated by the arrow.



Pick roller bushing

Pick roller shaft

2. Open the tabs of the sheet guide release catch in the direction indicated by the arrow to lock the sheet guide in place.



8. Close the top cover.

You should hear a click when it is returned to its original position.



Be careful that the top cover does not shut on your fingers.



9. Attach the ADF paper chute.

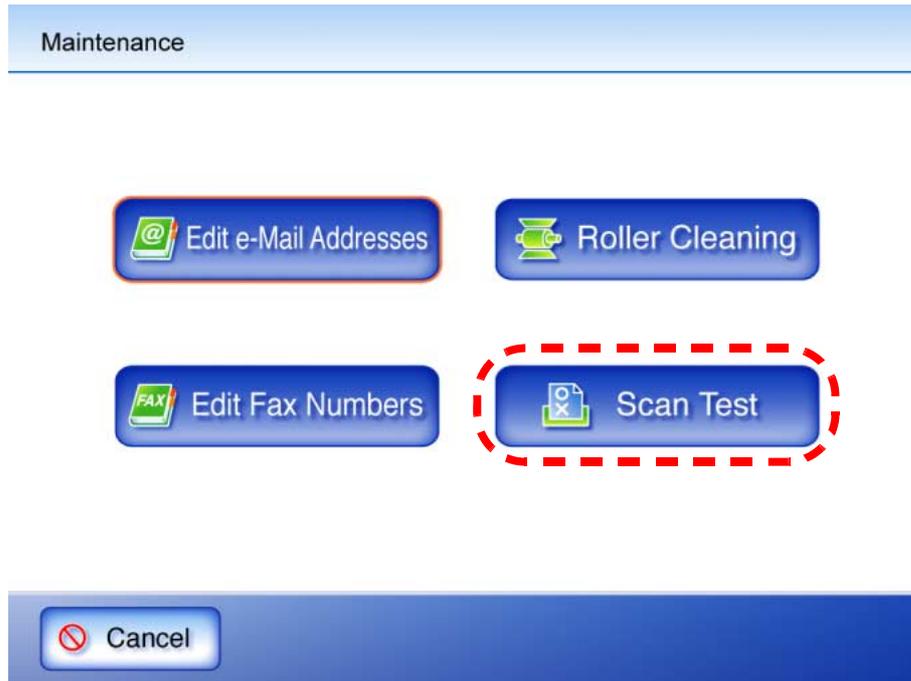
10. Reset the pick roller usage counter.

The usage counter must be reset by an administrator. For details, refer to "Resetting the Usage Counter" (page 94).

5.6 Performing a Scan Test

After scanner cleaning or replacement of consumable parts, perform a scan test.

1. On the "Main Menu" screen, press the [Maintenance] button.
⇒ The "Maintenance" screen appears.
2. Press the [Scan Test] button.



⇒ The scan settings information for the scan test is displayed.

3. Load the document for the scan test.

4. Press the [Scan] button.



Load a test page and press the [Scan] button.

■ Scan Setting Information

Setting Item	Status	Setting Item	Status
Color Mode	Auto	Brightness	Medium
Paper Size	Auto	Contrast	Medium
Resolution	200dpi	Page Orientation	Off
Scan Mode	Duplex	Blank Page Skip	Off
Compression	Medium	Multifeed Setup	Ultrasonic



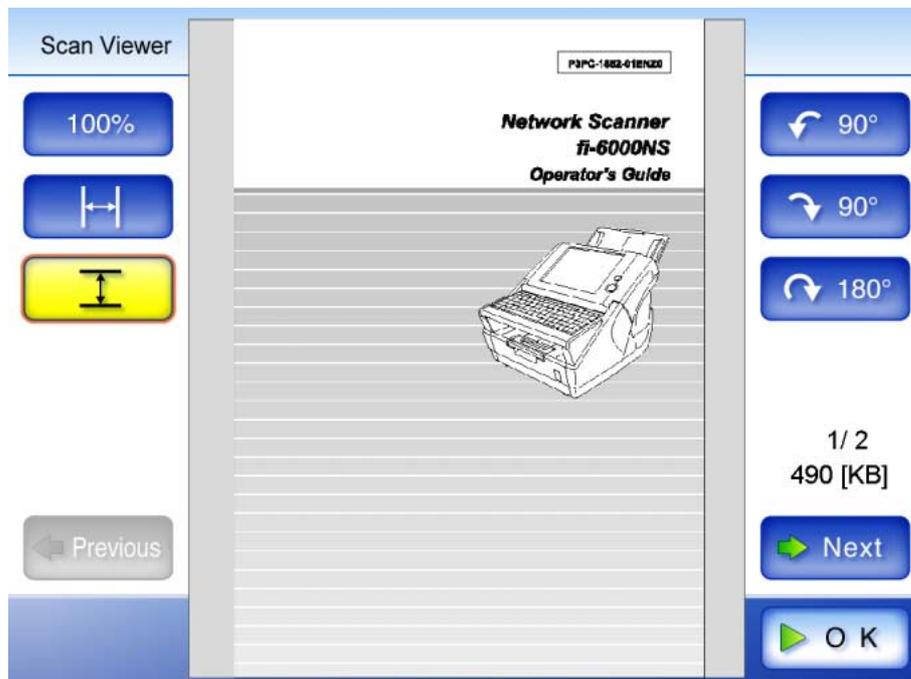
⇒ The scan test starts.

When the scan test has completed, the "Scan Viewer" screen appears.

If the scanner fails to scan correctly, an error message is displayed. For more details about how to deal with error messages, refer to "C.2 Regular User Messages" (page 291).

5. Check the scanned data.

For more details about "Scan Viewer", refer to "4.9.1 Viewing a Scanned Page" (page 201)" or "4.9.2 Rotating a Scanned Page" (page 202).



6. Press the [OK] button.

⇒ The "Maintenance" screen is shown again.

Chapter 6

Troubleshooting

Admin

User

This chapter provides information on dealing with scanner operation problems such as paper jams, points to check before contacting your FUJITSU scanner dealer, and help on how to check device labels.

For details of error messages which may appear during administrator setting procedures, refer to "C.1.1.1 Administrator Screen Messages" (page 271).

For details of error messages which may appear during scanner operations or cleaning, refer to "C.2 Regular User Messages" (page 291).

For details of messages which might appear when acquiring log information in "3.8 Using the Operation Logs Menus" (page 96), refer to "C.1.2 System Log Messages" (page 285).

6

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6.6 Checking the Scanner Labels	252
6.7 Pre-Maintenance Preparations	253

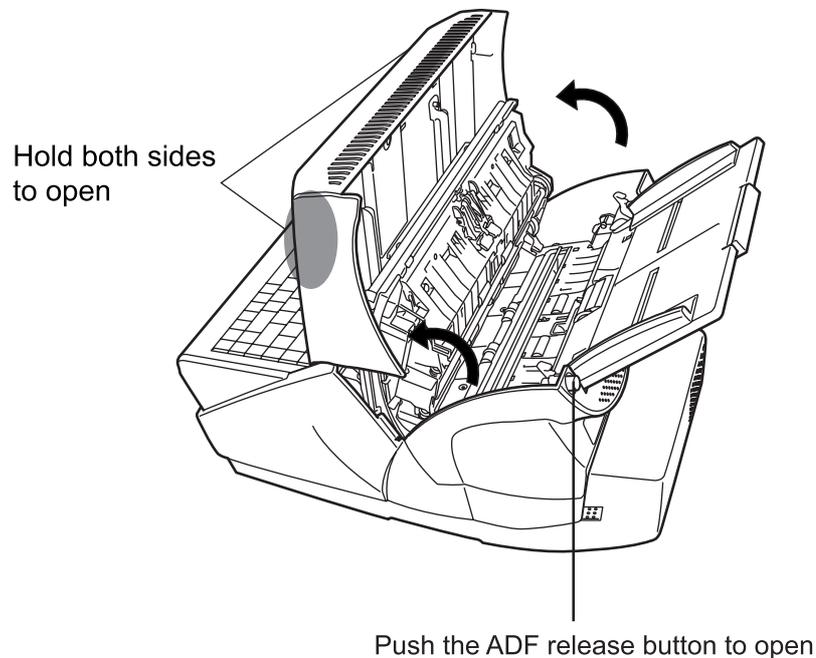
6.1 Removing Jammed Documents

If a document jam occurs, follow the procedure below to remove the jammed documents.



- When removing jammed documents, take care with dangling neckties, necklaces, etc. as they may easily become entangled in the scanner.
- The glass scanner windows inside the ADF can become hot when the scanner is used. Take care not burn your hands.

1. Remove all documents from the ADF paper chute.
2. Push the ADF release button, then hold both sides of the top cover and lift it open.



Be careful that the top cover does not slam shut on your fingers.

3. Remove the jammed document.



- Staples, paper clips, etc. can cause document jams. Check the document and feed path, and remove any such objects that may have come loose.
Any staples, clips, etc. should be removed from the document before starting a scan.
- Take care not to snag the pick springs when removing jammed documents.



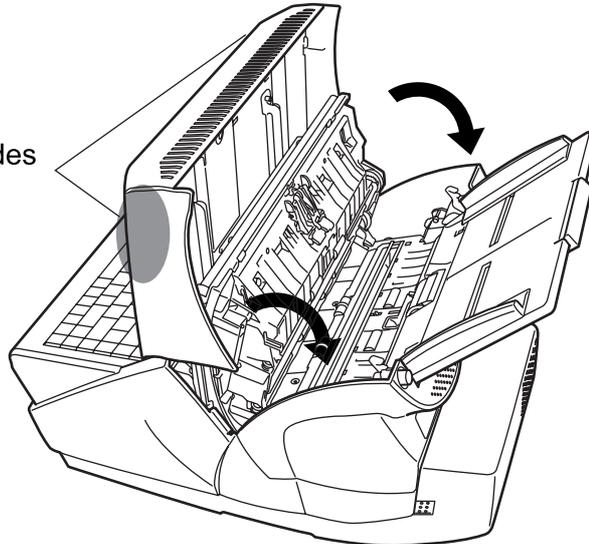
4. Holding both sides of the top cover, return it to its original position.



- Make sure that the top cover is completely closed. If not completely closed, document jams and feeding errors may occur.
- When closing the top cover, do not slam it shut by pushing the touch panel as this may damage it.



Hold both sides
to close



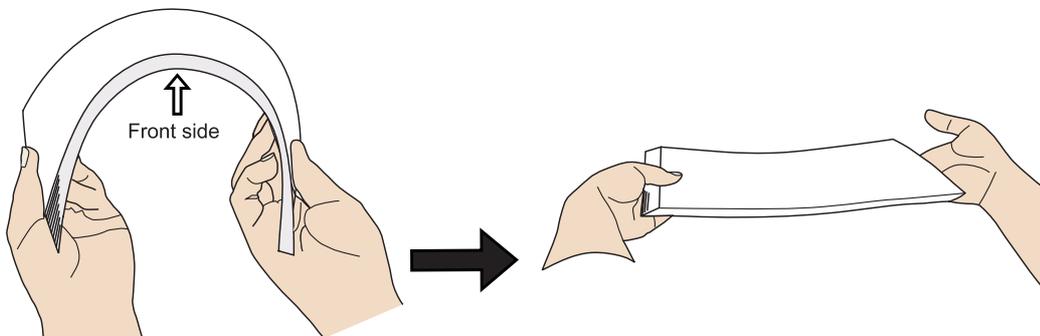


- Although no error message is displayed, document pages may remain in the ADF even after scanning is completed or cancelled. Follow the procedure below to remove any such pages from the ADF.
 1. Remove all documents from the ADF paper chute.
 2. Push the ADF release button, then hold both sides of the top cover and lift it open.
 3. Remove the remaining documents.
 4. Close the top cover.
- If document pages become blocked while scanning, check the scanned data. If documents become blocked whilst being fed into the scanner, document pages which could not be scanned correctly may remain in the ADF. In this case, delete all pages not correctly scanned using the [Delete] button on the "Scan Viewer" screen.

For more details about the "Scan Viewer" screen, refer to "4.9.4 Deleting a Scanned Page" (page 204).

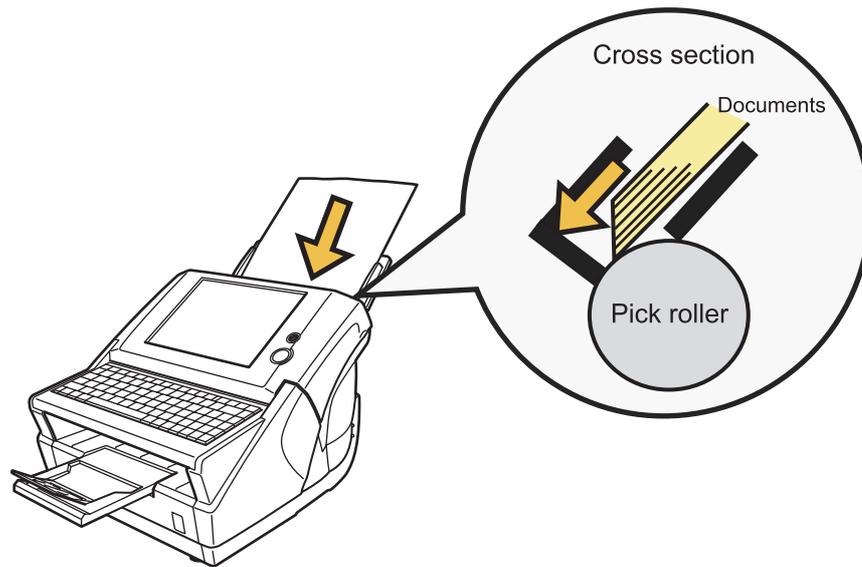
If document jams or multifeed errors occur frequently, try the following procedures.

1. Align the edges of the document sheets.
2. Lightly grip the ends of the document stack in both hands and flex it back forth, as shown below.



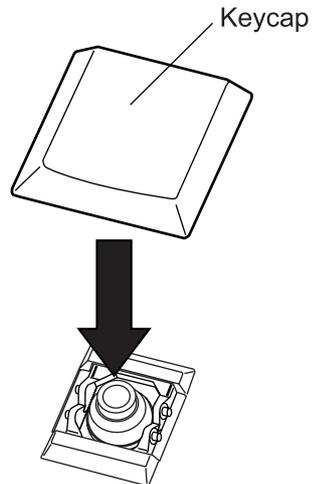
⇒ The edge of the document stack that will be loaded into the ADF paper chute should be skewed.

3. Load the documents into the ADF paper chute, as shown in the following diagram.



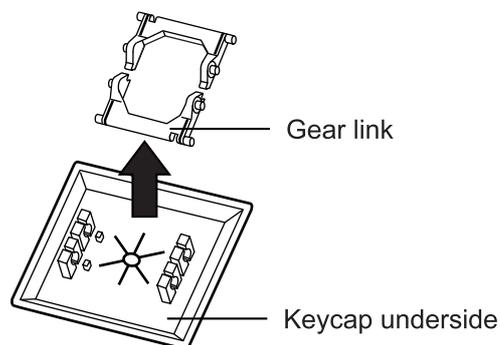
6.2 Dealing with Detached Keycaps

If a keycap comes loose from the keyboard, fit it back onto its original location and push it down until it clicks into place.

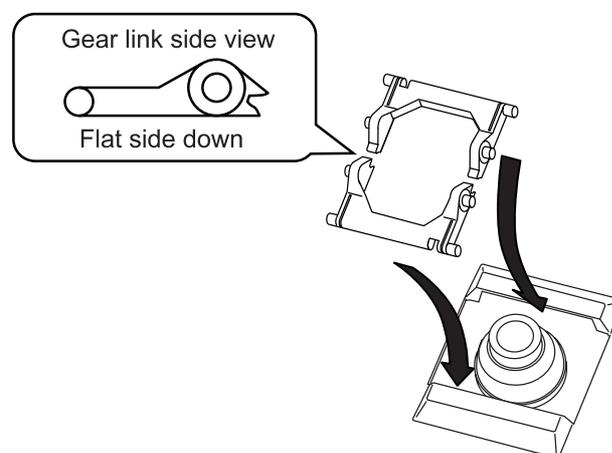


If a keycap and key switch become loose, they should be reattached as follows.

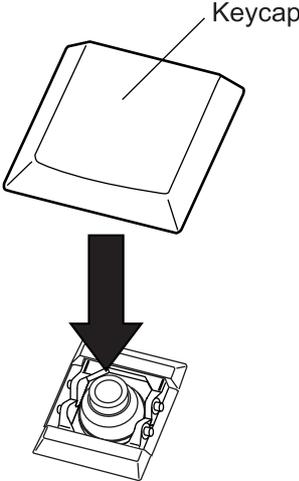
1. Remove the key switch from the keycap.



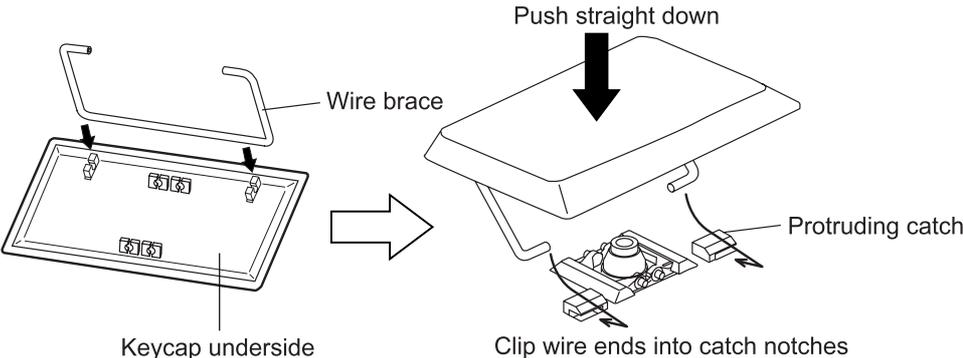
2. With the flat part of the key switch facing downwards, reattach it to the keyboard.



3. Fit the keycap back onto its original location and push it down until it clicks into place.



If the detached keycap has a wire brace, reattach the wire to the keyboard, align the keycap over the middle of the wire, and push the keycap down until it clicks into place.



6.3 Network Connection Troubleshooting

If a network connection is not possible, first check the scanner status and system settings.

The following section provides information about general troubles that may occur when connecting to a network.

If the cause of the problem is unknown or the problem persists, check the items in "6.5 Points to Check before Contacting Your FUJITSU Scanner Dealer" (page 249) and contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

6.3.1 Basic Network Operation Tests

The following network operation tests are available on the administrator screen, and should be performed after the network has been setup.

- Checking basic network operation with a Ping test
- Checking the network operating status
- Checking the NTP server settings by synchronizing the system time (if using an NTP server)
- Checking the mail server by sending a test mail (if scanned data is to be sent as an e-mail, by fax, or when requesting alert notifications by e-mail)

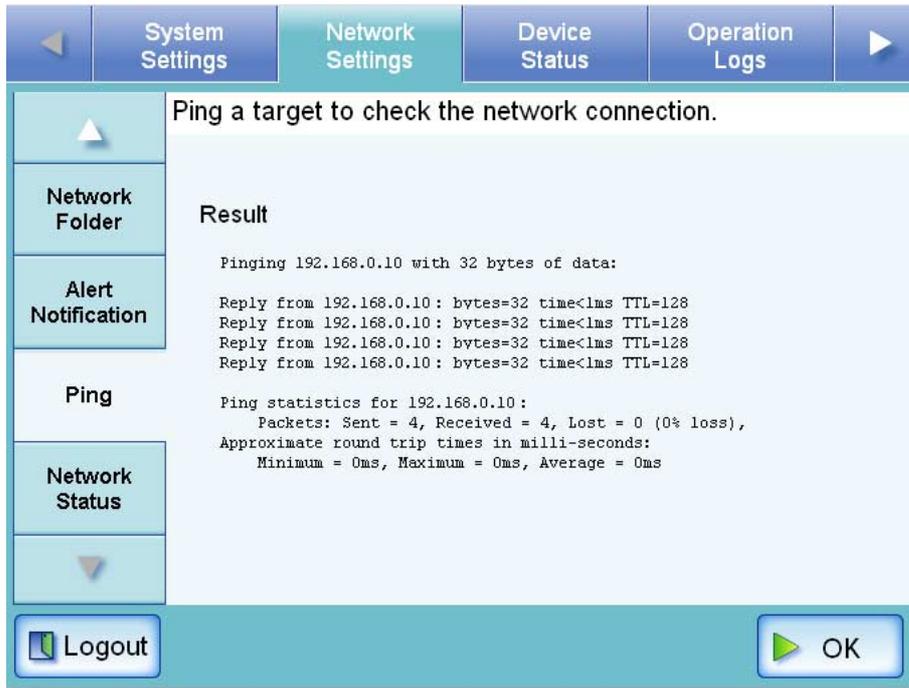
■ Checking basic network operation with a Ping test

Ping the following servers to check their network connection status.

For details about the pinging procedure, refer to "3.6.10 Checking the Network Connection with a Ping Test" (page 86).

- DNS server
- WINS server
- NTP server
- LDAP server
- SMTP server

A results screen similar to the following should appear:



When checking the network connection status of a server by its IP address, the following results are possible.

Result	Connection status	Action
"Ping statistics" shows "Lost=0 (0% loss)"	OK	None
"Ping statistics" shows "Lost=4 (100% loss)"	NG	Check that the ping target IP address is correct.
		If the ping target IP address is correct, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions.
"Ping statistics" shows "Lost=N (1 to 99% loss)"	NG	There may be a quality problem with the LAN cable. Replace the LAN cable and try again.
		In "3.6.11 Checking the Network Operating Status" (page 89), change the [Link Speed/Duplex Mode] from "Auto-Negotiation" to a fixed mode.
"Hardware error"	NG	The LAN cable may have become disconnected during the Ping test. Check the status of the LAN cable and try again.

When checking the network connection status of a server with an FQDN, the following results are possible.

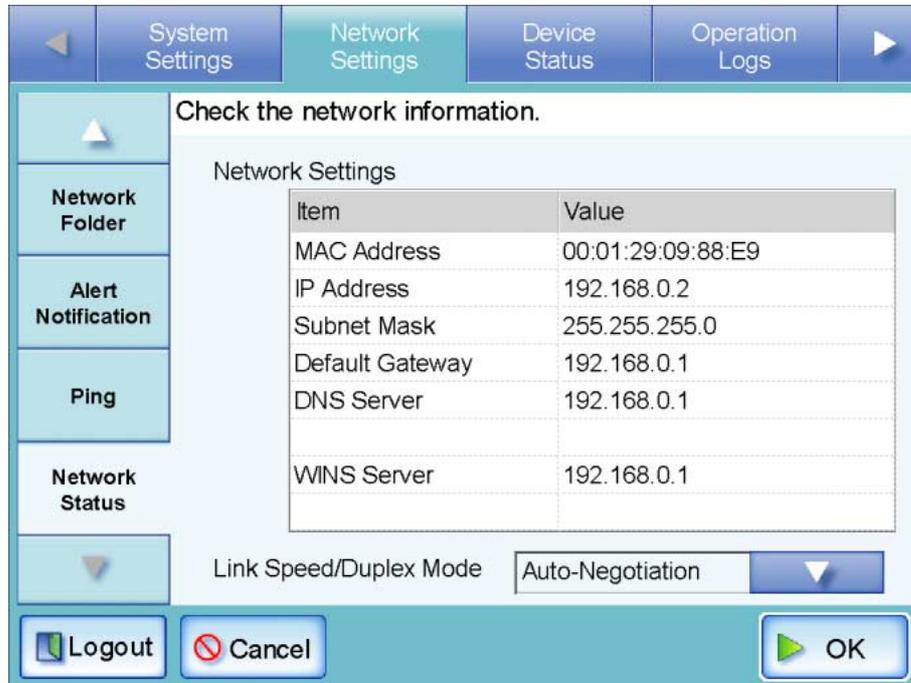
Result	Connection status	Action
"Ping statistics" shows "Lost=0 (0% loss)"	OK	None
"Ping request could not find host xxx.xxx.xxx. Please check the name and try again."	NG	Check that the ping target server name is correct.
		Check that the DNS server or WINS server settings are correct.
		If the ping target server name is correct, refer to "Failure to connect to a remote computer using its server name" (page 244) for further solutions.
"Ping statistics" shows "Lost=4 (100% loss)"	NG	Check that the ping target server name is correct.
		In "3.6.11 Checking the Network Operating Status" (page 89), change the [Link Speed/Duplex Mode] from "Auto-Negotiation" to a fixed mode.
"Ping statistics" shows "Lost=N (1 to 99% loss)"	NG	There may be a quality problem with the LAN cable. Replace the LAN cable and try again.
		In "3.6.11 Checking the Network Operating Status" (page 89), change the [Link Speed/Duplex Mode] from "Auto-Negotiation" to a fixed mode.
"Hardware error"	NG	The LAN cable may have become disconnected during the Ping test. Check the status of the LAN cable and try again.

■ Checking the network operating status

If an IP address is set for the "DHCP" server, check the network status.

For details about the checking procedure, refer to "3.6.11 Checking the Network Operating Status" (page 89).

A "Network Status" screen similar to the following should appear:



The following outcomes are possible:

Network settings	Connection status	Action
The information shown is all valid.	OK	None
The information shown is not all valid.	NG	If DHCP is not used: Check that the "IP Address" setting is correct.
		If DHCP is used: <ul style="list-style-type: none"> • Check that physical network connection to the DHCP server is functioning correctly. • Check the DHCP server. The server may not be operating normally, or the DHCP settings (restricted number of leases or MAC address validation) may be causing invalid IP addresses to be assigned.

Network settings	Connection status	Action
The information shown is valid, but pinging indicates that the network connection is not functioning normally.	NG	In "3.6.11 Checking the Network Operating Status" (page 89), change the [Link Speed/Duplex Mode] from "Auto-Negotiation" to a fixed mode. If the problem persists, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions.

■ Checking the NTP server settings by synchronizing the system time

On the "NTP Server" screen, press the [Sync Time] button to check if the system time can be synchronized.

After pressing the [Sync Time] button, a message dialog such as the following is displayed:



The following outcomes are possible:

Message	Connection status	Action
System time has been successfully synchronized.	OK	None
System time synchronization failed. Sending resync command to local computer... The computer did not resync because no time data was available.	NG	Try the following: <ul style="list-style-type: none"> • Check the NTP server name and address settings for errors. • Check the network path between to the NTP server for problems. • The NTP server may be busy. Wait a short time before trying again to synchronize the system time. If that does not work, the specified server may not be an NTP server, so try a different NTP server. • The specified NTP server cannot provide a trusted date and time. It attempted to acquire the date and time from a higher level NTP server, but failed. Try a different NTP server or have the network administrator investigate.
System time synchronization failed. Sending resync command to local computer... The computer did not resync because only stale time data was available.		
System time synchronization failed. Sending resync command to local computer... The computer did not resync because the required time change was too big.	NG	Refer to "3.5.4 Setting the Date/Time" (page 44), adjust the date/time, and try again.

■ Checking the mail server by sending a test mail

On the "Alert Notification" screen, press the [Test] button to check if an e-mail can be sent to the specified destination.

After pressing the [Test] button, a message dialog such as the following is displayed:



The following outcomes are possible.

Message	Connection status	Action
Testing...	OK	If no error message appears and the "testing" indicator disappears, the test mail was sent successfully to the mail server. Check that the alert notification e-mail has arrived at the specified destination. If the alert notification e-mail has not arrived at the expected destination, check that the part of thee-mail address before the "@" has been entered correctly.

Message	Connection status	Action
Test e-mail could not be sent.	NG	Check that the computer connected to the mail server is running properly.
		Check if an e-mail can be sent to the address from other personal computers in the network.
		Ping the SMTP server to check that it and its network connection are working properly.
		<p>If there is a negative response to the SMTP server ping test, check that the system network is functioning normally by pinging the SMTP server from another machine in the network.</p> <ul style="list-style-type: none"> • If only the scanner's network connection is not operating correctly, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions. • If the problem seems to be with the SMTP server cannot connect to its network, request the network administrator to check that the SMTP server and the network connection to the server are functioning normally.

6.3.2 Other Network Connection Troubleshooting

There are many reasons why a network connection may not be possible.

The following section provides information about general troubles that may occur when connecting to a network.

If the cause of the problem is unknown or the problem persists, check the items in "6.5 Points to Check before Contacting Your FUJITSU Scanner Dealer" (page 249) and contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

■ Failure to connect to a remote computer using its IP address

If a remote computer cannot be connected to using its IP address, and does not respond to a ping test, try the following steps:

No.	Problem	Action
1	Connection error between a remote computer and the scanner, or problem with the LAN cable.	Check that the LAN cable has been attached to both the scanner and remote computer correctly. If the remote computer is connected using a LAN cable (straight type), in case auto-mdi (automatic selection) is not supported, a LAN cable (crossover type), switch, or router is required between the scanner and remote computer. If this is not the case, the LAN cable may be faulty. Find a LAN cable that functions normally and try again.
2	IP address or subnet mask is invalid.	On the "IP Address" screen, check that the IP address or subnet mask settings are correct. For more details about the "IP Address" screen, refer to "3.6.1 Giving the Scanner an IP Address" (page 57).
3	When using DHCP, the DHCP server does not operate normally, or there is a problem with the DHCP server settings.	If using DHCP, on the "Network Status" screen, check that IP address, subnet mask, and default gateway settings are all correct. If these settings are not correct, the DHCP server may not operate normally, or the DHCP server may not assign valid IP addresses because of restricted number of leases or MAC address validation. Check the DHCP server connection status and the details of the server settings. For more details about the "Network Status" screen, refer to "3.6.11 Checking the Network Operating Status" (page 89).

No.	Problem	Action
4	Another host or communication device is connected using the same IP address as the scanner.	<p>If the same IP address has already been used by another host or communication device, then even if the other device has been given a different IP address the remote computer may not recognize the scanner's "duplicate" IP address until it is rebooted. Restart the remote computer.</p> <p>If a duplicate IP address connection from another host or communication device exists on a LAN, both it will be unusable.</p> <p>If a duplicate IP address connection from another host or communication device exists, pull out its LAN cable and restart the remote computer.</p>
5	Access is denied due to the establishment of a firewall between the remote computer and the scanner.	If a firewall has been established between the remote computer and the scanner, check that it has not been set to deny access to the network.
6	The network link speed/duplex mode for the scanner and remote computer are different, or Auto-Negotiation is not supported by the remote computer.	<p>For this scanner, the default [Link Speed/Duplex Mode] setting is "Auto-Negotiation". On the "Network Status" screen, match the scanner and remote computer's network link speed/duplex mode settings.</p> <p>If the problem persists in spite of having set both the scanner and remote computer's network link speed/duplex settings to "Auto-Negotiation", select something other than "Auto-Negotiation" and check again.</p> <p>For more details about the "Network Status" screen, refer to "3.6.11 Checking the Network Operating Status" (page 89).</p>

■ Failure to connect to a remote computer using its server name

If connection to a remote computer using a FQDN is not possible even after the server name has been checked using a ping test, try the following steps:

No.	Problem	Action
1	Same as in "Failure to connect to a remote computer using its IP address" (page 242).	Check if a network connection is possible by trying the same solution for "Failure to connect to a remote computer using its IP address" (page 242).
2	The scanner's DNS server or WINS server settings are invalid.	Check that the DNS and WINS server settings are correct.
3	The DNS server or WINS server is not functioning normally, or there is an error with the DNS or WINS server network connection.	Ping the DNS and WINS servers to check they are functioning normally. If the DNS or WINS server is not functioning, request the network administrator to check its status.

6.3.3 Failure to cannot the Scanner using a Web Browser

If the "Login" screen does not appear after the scanner's URL is specified in the web browser, try the following steps:

No.	Problem	Action
1	Same as in "Failure to connect to a remote computer using its IP address" (page 242).	Check if a network connection is possible by trying the same solution for "Failure to connect to a remote computer using its IP address" (page 242).
2	The DNS server or WINS server is not functioning normally, or the scanner name has not been registered in the DHCP or WINS server.	For the URL in the web browser, use the following IP address to check the connection. Example: <code>http://192.168.1.200/</code> If it is possible to connect the scanner from the web with a specified IP address, specify the scanner's IP address in the DNS or WINS server. Also, check the DNS or WINS server settings on the web browser terminal.
3	A misconfigured firewall between the web browser and the scanner is denying access.	If there is a firewall between the computer running the web browser and the scanner, check that its settings are not preventing access.

6.3.4 Problems when Connecting to the Scanner using a Web Browser

If, when connecting to the scanner via a web browser, the "Scripts are usually safe. Do you want to allow scripts to run?" message appears, or the "Login" screen appears but the buttons can not be selected, try the following steps:

No.	Problem	Action
1	In Microsoft® Internet Explorer, in the "Tools" menu, "Internet Options", [Security] tab, the security level for the corresponding zone is set as "high", or in [Custom Level], "Scripting", "Active Scripting" is set to "Prompt" or "Disable".	<p>If the URL includes a scanner name, the scanner will be connected using an Intranet Zone. If the URL includes an IP address, the scanner will be connected using the Internet Zone.</p> <p>In Microsoft® Internet Explorer, in the "Tools" menu, "Internet Options", try the following settings for the corresponding zone.</p> <ul style="list-style-type: none">• To enable "Active Scripting", set in one of the following ways:<ul style="list-style-type: none">• In the [Security] tab, set the required "Security level for this zone" to "Medium".• In the [Security] tab, click the [Custom Level] button. Then, set the "Scripting", "Active Scripting" to "Enable".• If connecting via the Internet zone, on the [Privacy] tab, set the level to below "Medium High". <p>After the above settings have been performed, in "Temporary Internet Files", press the [Delete Cookies] button to delete all temporary internet files.</p>

6.4 Other Troubleshooting

This section describes problems that may occur during scanning and gives information on how to deal with them. Before requesting repair, check the following list of common problems.

If the problem still cannot be solved after consulting the troubleshooting suggestions, check the points in "6.5 Points to Check before Contacting Your FUJITSU Scanner Dealer" (page 249) and then contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Problem	Check item	Suggestion
Scanner cannot be turned on.	Has the Startup button been pressed?	Press the Startup button.
	Are the AC cable and AC adapter properly connected to the scanner?	Connect the AC cable and the AC adapter. Disconnect the AC cable from the scanner, wait at least ten seconds, then reattach the cable and turn the power back on again. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
Scanning does not start.	Has the document been loaded correctly into the ADF paper chute?	Reload the documents into the ADF paper chute.
	Is the ADF completely closed?	Close the top cover completely.
	Does the same problem occur after turning the scanner power off and back on again, and re-logging in?	If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
Multifeed errors occur frequently.	Do the documents satisfy the conditions given in "A.2 Paper Requirements" (page 257)?	Use documents which satisfy the conditions described in "A.2 Paper Requirements" (page 257).
	Has the document been loaded correctly into the ADF paper chute?	Riffle and realign the document stack, then load it back into the ADF paper chute.
	Is the document stack more than 5mm thick?	Remove sheets from the stack to reduce it to a thickness of 5mm or less.
	Is the pad assembly dirty?	Clean the pad assembly. For more details, refer to "5.2 Cleaning the ADF" (page 211).
	Is the pad assembly worn out?	Replace the pad assembly. For more details, refer to "5.5 Replacing Parts" (page 218).
Paper is not fed into the scanner. (Pick errors are frequent or document feed stops midway)	Do the documents satisfy the conditions given in "A.2 Paper Requirements" (page 257)?	Use documents which satisfy the conditions described in "A.2 Paper Requirements" (page 257).
	Is the pick roller dirty?	Clean the pick roller. For more details, refer to "5.2 Cleaning the ADF" (page 211).
	Is the pick roller worn out?	Replace the pick roller. For more details, refer to "5.5 Replacing Parts" (page 218).
	Is there any foreign matter in the document feed path?	Clean the document feed path.
Scanned data is elongated.	Are the feed rollers dirty?	Clean the feed rollers. For more details, refer to "5.2 Cleaning the ADF" (page 211).

Problem	Check item	Suggestion
Shadow on the leading edge of the scanned data.	Are the feed rollers dirty?	Clean the feed rollers. For more details, refer to "5.2 Cleaning the ADF" (page 211).
Vertical line on the scanned data.	Are the glass scanner windows dirty?	For more details on cleaning the glass scanner windows, refer to "Chapter 5 Scanner Care" (page 209).
Scanned data appears skewed or distorted.	Has the document been loaded correctly?	Load the document correctly.
Quality of scanned data is poor.	Are the glass scanner windows dirty?	Clean the glass scanner windows.
Cannot login with administrator password.	Was the Caps Lock on when the password was entered?	Turn off the Caps Lock and try logging in again. If the password has been lost or forgotten, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
The "Keyboard error or not keyboard present" message is shown on the screen, the scanner does not startup.	After turning the scanner off, was the power turned back on again immediately?	Disconnect the AC cable from the scanner, wait at least ten seconds, then reattach the cable and turn the power back on again. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
Input field entry entered via the keyboard does not appear on the screen.	Has the input field been selected?	Try the followings: <ul style="list-style-type: none"> • Select the input field and try again. • Press the [Cancel] button and try again.
No response from pressing tab or enter key after a file download operation has been selected via the web interface.	Has the [Download], [Get CSV] or [Backup] button been selected?	If a file download operation has been selected, there may be no response from pressing the tab or enter key. In this case, try using the mouse.

6.5 Points to Check before Contacting Your FUJITSU Scanner Dealer

Before contacting your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider, check the following points.

6.5.1 General Details

Info	Findings
Model	fi-6000NS
Serial No.	(Example) 000001 For the serial number, refer to "6.6 Checking the Scanner Labels" (page 252).
Production date	Year Month 2006-05 (May, 2006) For details, refer to "6.6 Checking the Scanner Labels" (page 252).
Date of purchase	Year Month Day
Symptoms	
Frequency of trouble	
Total throughput	

6.5.2 Error Status

■ Problem when connecting to the scanner via personal computer

Info	Findings
OS (Windows)	
Web browser	
Displayed error message	

■ Document feed trouble

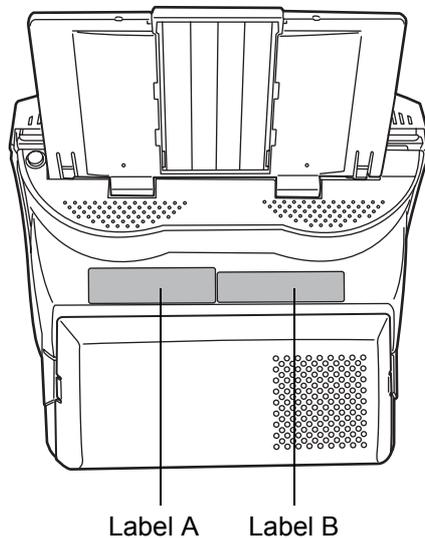
Info	Findings
Document type	
Main purpose of use	
Last cleaned on	Year Month Day
Consumables last replaced on	Year Month Day
Error message details	

■ **Other problems**

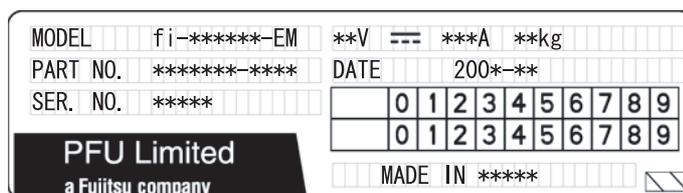
Info	Findings
Can both the original document and scanner image be sent by e-mail or fax?	Circle one: Available Unavailable

6.6 Checking the Scanner Labels

This section provides help on how to check the scanner's two information labels. The following diagrams show where the labels are located on the scanner.



- Label A (example): Contains various scanner information.



- Label B (example): Indicates the various standards that the scanner conforms to.



6.7 Pre-Maintenance Preparations

Before sending the scanner for maintenance, the user data store and system settings should be backed up. Refer to the following sections for details:

- "Backing up the User Data Store" from "3.9.1 Maintaining the User Data Store" (page 107)"
- "3.9.2 Maintaining the System Settings" (page 116)

After backing up the user data store and system settings, the original data may be deleted. Refer to the following sections for details:

If the hard disk is replaced, all settings will revert to their factory default values.

- "Clearing the User Data Store" from "3.9.1 Maintaining the User Data Store" (page 107)"
- "Clearing the System Log" (page 106) from "3.9.2 Maintaining the System Settings" (page 116)



The user data store may contain private information such as e-mail addresses or fax numbers, so care should be taken when managing such data.

Appendix A

A

ADF Paper Specifications

Admin

User

This appendix describes the paper size and quality requirements for ensuring that the ADF operates correctly when scanning documents.

A.1 Paper Size

The following paper sizes can be scanned with this scanner:

Width: 53mm to 216mm (2.1in to 8.5 in)

Length: 74mm to 356mm(*) (2.9in to 14in)

* When "Custom" paper size setting is used, a page length of up to 863mm (34in) is allowed for document scanning.

A.2 Paper Requirements

A.2.1 Paper Type

The following paper types are recommended for use with the ADF:

- Woodfree paper
- Wood containing paper

When documents of a paper type other than those listed above are used, test-scan a few sheets first to check if the document can be scanned without problem.

A.2.2 Paper Weight

The following paper weights can be used with the ADF:

- 52 g/m² to 127 g/m² (14 lb to 34 lb)
- For A8 and Business Card size, 127 g/m² only

A.2.3 Precautions

The following documents may not scan successfully:

- Documents of non-uniform thickness (e.g. envelopes and documents with attachments)
- Wrinkled or curled documents (See the following HINT)
- Folded or torn documents
- Documents with appended photographs, notes, etc.
- Tracing paper
- Coated paper
- Carbon paper
- Carbonless paper
- Photosensitive paper
- Perforated or punched documents
- Documents that are not square or rectangular
- Exceptionally thin documents (less than 52 g/m²)
- Photographs

Do not attempt to scan the following types of documents:

- Paper-clipped or stapled documents
- Documents on which the ink is still wet
- Documents smaller than A8 Portrait
- Documents wider than Letter size (8.5inches = 216mm, A4 is 210mm wide)
- Non-paper documents (such as fabric, foil, transparent paper)



- Carbonless paper contains chemical substances that may damage the pad assembly or the pick and other rollers when documents are fed. Pay attention to the following:

Cleaning:

If pick errors occur frequently, clean the pad assembly and pick roller.

For details on cleaning the pad assembly and pick roller, refer to "Chapter 5 Scanner Care" (page 209).

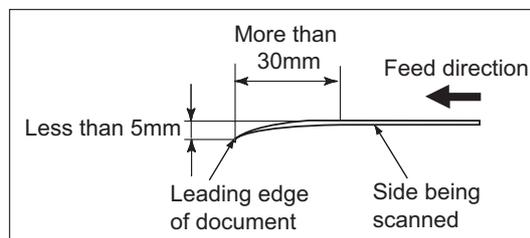
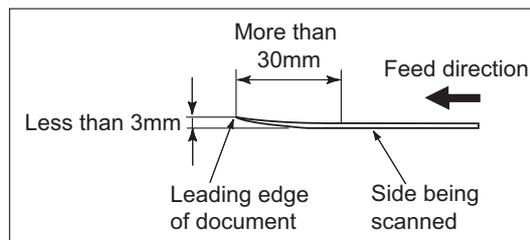
Replacing parts:

The service life of the pad assembly and pick roller may be shortened when compared to scanning only wood containing paper documents.

- When wood containing paper manuscripts are scanned, the life of the pad assembly and pick roller may be shortened compared with the case where woodfree paper manuscripts are scanned.
- When scanning photographs, the face of the photograph may become damaged.



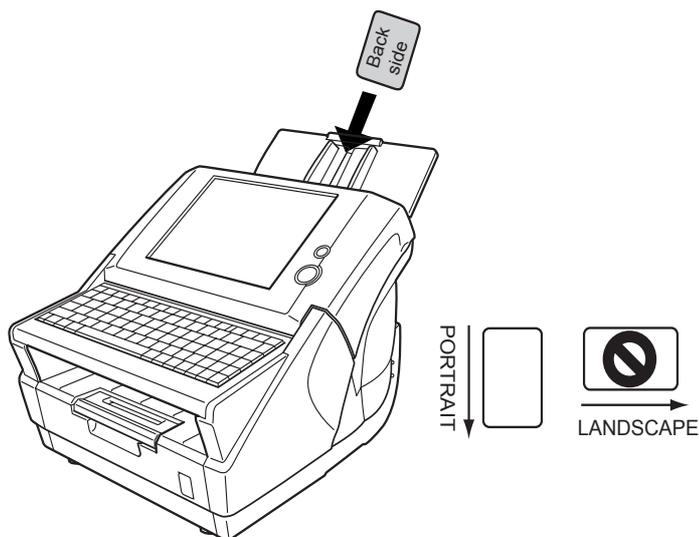
- When scanning semi-transparent documents, set the scan [Brightness] to "Light" to avoid image bleed through.
- To prevent the rollers from becoming dirty, avoid scanning documents containing large areas written or filled in with pencil. If scanning of such documents is unavoidable, clean the rollers frequently.
- To operate correctly, the ADF requires the leading edges of all document sheets be evenly aligned. Make sure that curling of the leading edge is within the following tolerances:



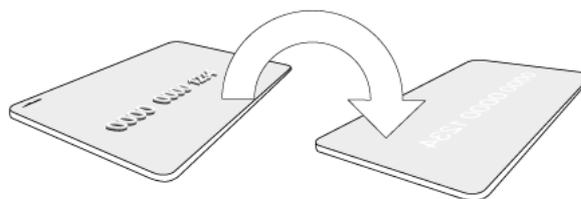


Take the following precautions when scanning plastic cards (for example ID cards).

- In Scan Settings, set the Multifeed Setup to [None]. For more details about Multifeed Setup, refer to "4.7.13 Multifeed Detection (Layer and Length)" (page 196).
- Place one card at a time into the ADF paper chute.
- Cards must be fed through the ADF in portrait mode, as in the following figure.



- Cards should be placed face down in the ADF paper chute.
- Embossed cards should be placed with the raised lettering side down.

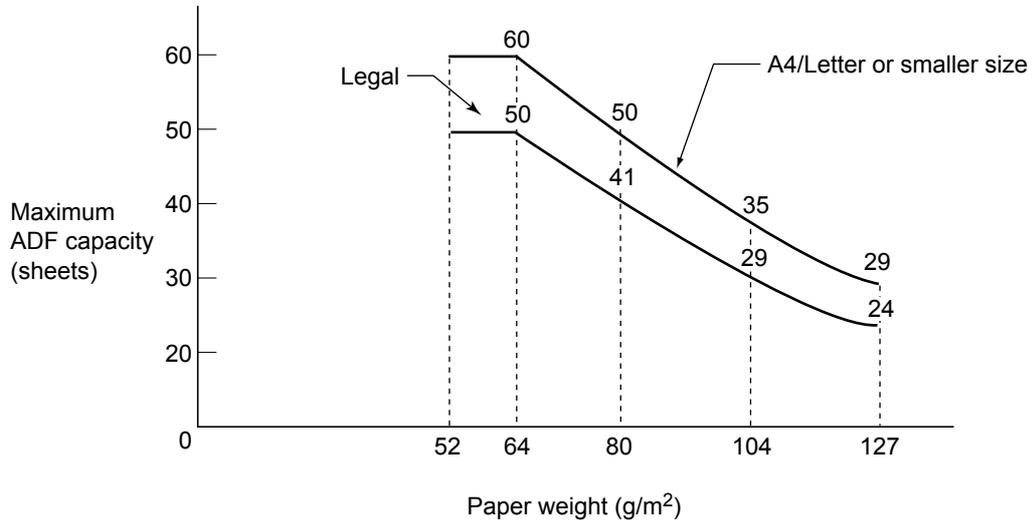


- Cards should be of the following specifications:
 - ISO7810-compliant, Type ID-1 cards
 - Width × Length: 2.1in X 3.4in / 54mm X 86mm
 - Thickness: 0.03 ± 0.003in / 0.76 ± 0.08mm
 - Material: PVC (polyvinyl chloride) or PVCA (polyvinyl chloride acetate)
- Cards that are excessively rigid may not be fed smoothly by the ADF.
- Cards that have become dirty from handling should be wiped clean before scanning.

A.3 Maximum Document Loading Capacity

The maximum number of sheets that can be loaded into the ADF paper chute is determined by the length and weight of the document paper.

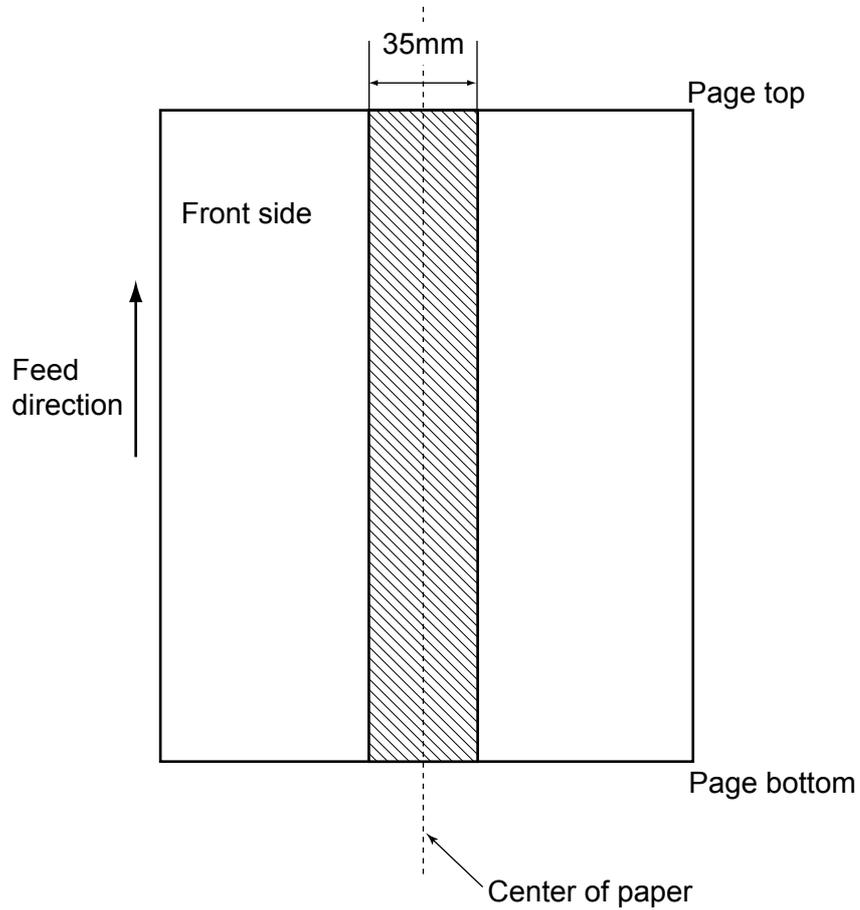
The following graph shows the maximum document loading capacity of ADF according to paper size and weight.



Unit	Standard paper weights						
g/m ²	52	64	75	80	90	104	127
lb	14	17	20	21	24	28	34
kg	45	55	64.5	69	77.5	90	110

A.4 Area not to be Perforated

ADF feed problems can occur while scanning if the document has any holes (punched, etc) in the shaded area shown in the following figure.



A.5 Multifeed Detection Conditions

There are three multifeed detection modes: document layer, document length, and both document layer and length. The following conditions must be satisfied in each of these detection modes. The type of document and document conditions can cause the multifeed detection rate to drop.

A.5.1 Detection by Layer

If [Ultrasonic] is selected in "4.7.13 Multifeed Detection (Layer and Length)" (page 196), multifeeds are detected by layer.

In this case, set sheets of the same thickness in the ADF at any one time.

- Document thickness: 0.065 to 0.15mm
- Punched holes are not allowed within 35mm (1.4in) of the vertical center line of the document.
- Do not glue on any other paper within 35mm (1.4in) of the vertical centerline of the document.

A.5.2 Detection by Length

If [Length] is selected in "4.7.13 Multifeed Detection (Layer and Length)" (page 196), multifeeds are detected by length

In this case, set sheets of the same length in the ADF at any one time.

- Document length deviation: 1% or less
- Punched holes are not allowed within 35mm (1.4in) of the vertical center line of the document.

A.5.3 Detection by both Layer and Length

If [Both] is selected in "4.7.13 Multifeed Detection (Layer and Length)" (page 196), multifeeds are detected by both layer and length.

In this case, set sheets of the same thickness and length in the ADF at any one time.

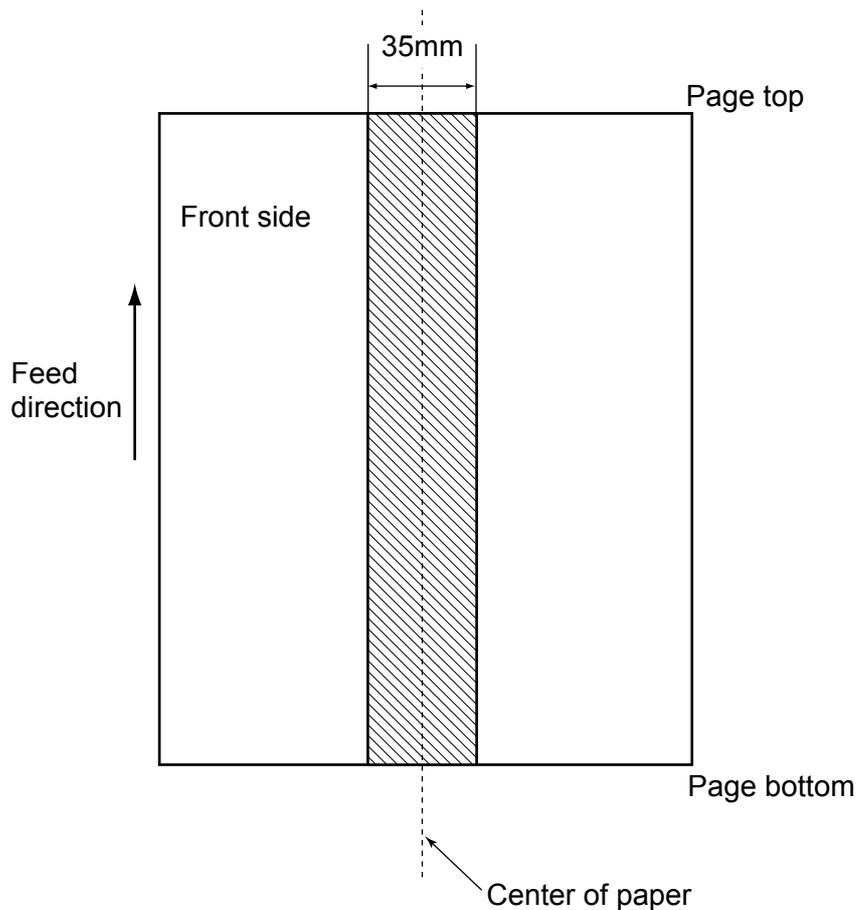
- Document thickness: 0.065 to 0.15mm
- Document length deviation: 1% or less
- Punched holes are not allowed within 35mm (1.4in) of the vertical center line of the document.
- Do not glue on any other paper within 35mm (1.4in) of the vertical centerline of the document.



- Multifeed detection by layer will often mis-detect very thick paper or plastic documents. When scanning such documents, select "None" on the "Multifeed Setup" screen.
- Multifeed may not be detected for the top and bottom 25mm of a document.



Area where multifeed detection is possible



Appendix B

Scanner Specifications

Admin

This appendix gives specifications for the scanner as a whole, and for scanner parts.

B

B.1 Device Specifications

Item	Specification
Dimensions (W × D × H)	315mm × 415mm × 281mm
Power consumption (AC)	88W
Weight	13kg
LCD touch panel	8.4-inch XGA TFT LCD monitor Analog resistive touch panel
Keyboard	101 keyboard
Network interface	LAN (10Base-T/100Base-T)
Input power	AC100-240V± 10% 50/60Hz



This scanner is installed with a LAN card which supports the Wakeup on LAN function. If the last time the scanner power was turned off was due to an error or power failure, the Wakeup on LAN function will not work.

B.2 Scanner Specifications

Item	Specification	Note									
Scanner type	ADF (Automatic Document Feeder)										
Image sensor	Color CCD × 2										
Light source	White cold cathode fluorescent discharge lamp × 2										
Scannable area	Maximum: Legal (8.5in x 14in) Minimum: A8 (portrait) (53mm x 74mm or 2in x 3in)	When "Custom" paper size setting is used, a page length of up to 863mm (34in) is allowed for document scanning.									
Paper weight	52 g/m ² to 127 g/m ²										
Scanning speed	<p>The following table shows scanning speeds for scans of A4 (Portrait).</p> <table border="1"> <thead> <tr> <th></th> <th>Simplex scan mode (ppm)</th> <th>Duplex scan mode (ppm)</th> </tr> </thead> <tbody> <tr> <td>Black & White (200dpi)</td> <td>25</td> <td>50</td> </tr> <tr> <td>Color (150dpi)</td> <td>30</td> <td>60</td> </tr> </tbody> </table>		Simplex scan mode (ppm)	Duplex scan mode (ppm)	Black & White (200dpi)	25	50	Color (150dpi)	30	60	This is the scanning speed for A4 paper size setting.
	Simplex scan mode (ppm)	Duplex scan mode (ppm)									
Black & White (200dpi)	25	50									
Color (150dpi)	30	60									
ADF paper chute capacity	Maximum: 50 sheets (A4, 80g/m ²)										
Optical resolution	600 dpi										
Output resolution	150 dpi, 200 dpi, 300 dpi, 600 dpi										
Grayscale level (internal)	1,024 levels										



Appendix C

Operation Messages

Admin

User

This appendix provides information about messages which may appear during scanner operations, and how to deal with them.

C

C.1 Administrator Messages

The following messages may appear during administrator operation. Messages are displayed in the form of a dialog box as follows.



The following table describes the types of marks which may appear in a message dialog box.

Marks	Description
	Warning message. Displayed if invalid values have been entered for a setting. Check the message and press the [OK] button.
	Error message. Check the message and press the [OK] button.
	Information message. Check the message and press the [OK] button. No action required.
	Inquiry message. Check the message, select and press a button.

C.1.1 Administrator Screen Messages

Screen	Message	Action
Login	Login failed. Check the user name and password, and try again.	Re-enter the user name and password. If you forget your password, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
	Login not possible. Another user is already logged in.	Only one administrator or user can login to the scanner at any one time. After the other user (administrator or regular) has logged out, try again.
Logout	Do you wish to logout now? (Logout/Cancel)	Press the [Logout] button to exit the current session now. Otherwise, press the [Cancel] button to continue.
	A restart is required to effect the changed settings. Do you wish to restart now or later? Restart: Restart the system immediately. Web-login will not be possible until the restart completes. Cancel: Cancel the logout.	Press the [Restart] button to restart the system now. Otherwise, press the [Cancel] button to continue the current session.
Scanner Name	Scanner name contains invalid characters.	Re-enter the scanner name using only specified valid characters. Do not enter a blank space before or after the scanner name. Do not use control characters or any of the following symbols: "^[] : < > + = ; , ?
	Scanner name has not been entered.	Enter a scanner name.
	Specified scanner name is already being used.	Enter a different scanner name.



Screen	Message	Action
Scanner Name	<p>The new settings will be enabled after the system has been restarted. Do you wish to restart the system now or later?</p> <p>Now: Restart the system immediately. Web-login will not be possible until the restart completes.</p> <p>Later: The system will be restarted and the settings enabled when you logout.</p> <p>Cancel: Cancel the new settings.</p>	<p>Press the [Now] button to cause the system to restart immediately.</p> <p>Press the [Later] button to delay the system restart until other settings are done.</p> <p>Press the [Cancel] button to cancel the new settings.</p>
Scanner Settings	Multifeed detection limit #2 must be larger than limit #1.	Re-enter a value for "#2" that is larger than the value for "#1".
	Multifeed detection limit #1 is invalid.	Re-enter a value for "#1" that is between 0 and 510 (mm).
	Multifeed detection limit #2 is invalid.	Re-enter a value for "#2" that is between 0 and 510 (mm).
	Invalid front side horizontal offset has been entered.	Re-enter a value for front side horizontal offset that is between -4 and 4.
	Invalid reverse side horizontal offset has been entered.	Re-enter a value for reverse side horizontal offset that is between -4 and 4.
	Invalid front side vertical offset has been entered.	Re-enter a value for front side vertical offset that is between -4 and 4.
	Invalid reverse side vertical offset has been entered.	Re-enter a value for reverse side vertical offset that is between -4 and 4.
	Invalid length magnification adjustment has been entered.	Re-enter a value for "Length Magnification" that is between -3.1 and 3.1 (%).
Date/Time	Date/time setting is invalid.	Re-enter the date/time using only valid numbers.
	Time adjustment has caused the session to timeout. Logging out now.	No action required.



Screen	Message	Action
Standby Mode	Auto logout time must be shorter than that for standby mode.	Enter a shorter time for auto logout ("Logout after") than for standby mode ("Standby after").
Admin Password	Current password has not been entered.	Enter a current password.
	Invalid current password has been entered.	Check the status of the "Caps Lock" and "Num Lock" indicators, and re-enter the current password.
	New password has not been entered.	Enter a new password.
	Confirm Password has not been entered.	Enter the same password again in the Confirmation Password field.
	Password and Confirm Password do not match.	Enter the same password string in both the New and Confirm Password fields.
	Passwords must contain at least 7 characters.	Re-enter a new or confirm password that contains at least 7 characters.
IP Address	IP Address has not been entered.	Enter an IP address.
	Subnet Mask has not been entered.	Enter a subnet mask.
	Default Gateway has not been entered.	Enter a default gateway.
	IP Address is incomplete.	Complete the IP address.
	Subnet Mask is incomplete.	Complete the subnet mask.
	Default Gateway is incomplete.	Complete the default gateway.
	IP address is invalid.	Enter a valid IP address.
	Subnet mask address is invalid.	Enter a valid subnet mask address.
	Default gateway address is invalid.	Enter a valid default gateway address.
	Specified IP address is already being used.	Enter a different IP address.
	IP Address and Default Gateway must be different.	Enter an IP address and default gateway that are different.

Screen	Message	Action
IP Address	Specified IP Address and Default Gateway must belong to the same network.	Enter an IP address and default gateway that belong to the same network.
	To resume the process, enter a new address, and try again.	Try connecting to the scanner from the Web browser again.
	IP address could not be set. Try again.	Try again. If that does not work, restart the scanner and try again.
DNS Server	Primary DNS has not been entered.	Enter a primary DNS.
	Secondary DNS has not been entered.	Enter a secondary DNS.
	Primary DNS is incomplete.	Complete the primary DNS.
	Secondary DNS is incomplete.	Complete the secondary DNS.
	Primary DNS address is invalid.	Enter a valid primary DNS address.
	Secondary DNS address is invalid.	Enter a valid secondary DNS address.
WINS Server	Primary WINS has not been entered.	Enter a primary WINS.
	Secondary WINS has not been entered.	Enter a secondary WINS.
	Primary WINS is incomplete.	Complete the primary WINS.
	Secondary WINS is incomplete.	Complete the secondary WINS.
	Primary WINS address is invalid.	Enter a valid primary WINS address.
	Secondary WINS address is invalid.	Enter a valid secondary WINS address.



Screen	Message	Action
NTP Server	NTP Server IP Address has not been entered.	Enter an NTP server IP address.
	NTP Server IP Address is incomplete.	Complete the NTP server IP address.
	NTP Server Name has not been entered.	Enter an NTP server name.
	NTP Server Name contains invalid characters.	Enter a valid NTP server name.
	NTP Server IP address is invalid.	Enter a valid NTP server IP address.
	System time has been successfully synchronized.	No action required.
	System time synchronization failed. Sending resync command to local computer... The computer did not resync because no time data was available.	Try the following: <ul style="list-style-type: none">• Check the NTP server name and address settings for errors.• Check the network path between to the NTP server for problems.• The NTP server may be busy. Wait a short time before trying again to synchronize the system time. If that does not work, the specified server may not be an NTP server, so try a different NTP server.• The specified NTP server cannot provide a trusted date and time. It attempted to acquire the date and time from a higher level NTP server, but failed. Try a different NTP server or have the network administrator investigate.
	System time synchronization failed. Sending resync command to local computer... The computer did not resync because only stale time data was available.	
	System time synchronization failed. Sending resync command to local computer... The computer did not resync because the required time change was too big.	Refer to "3.5.4 Setting the Date/Time" (page 44), adjust the date/time, and try again.
Time synchronization has caused the session to timeout. Logging out now.	No action required.	

Screen	Message	Action
LDAP Server	LDAP Server Name has not been entered.	Enter a LDAP server name.
	LDAP Server IP Address has not been entered.	Enter a LDAP server IP address.
	LDAP Server IP Address is incomplete.	Complete the LDAP server IP address.
	LDAP Server Name contains invalid characters.	Enter a valid LDAP server name.
	LDAP Server IP address is invalid.	Enter a valid LDAP server IP address.
	Search base address is invalid.	Enter a valid search base address.
	Search base has not been entered.	Enter a search base address.
SMTP Server	SMTP Server IP Address has not been entered.	Enter an SMTP server IP address.
	SMTP Server IP Address is incomplete.	Complete the SMTP server IP address.
	SMTP Server Name contains invalid characters.	Enter a valid SMTP server name.
	SMTP Server IP address is invalid.	Enter a valid SMTP server IP address.
	Invalid maximum attachment size has been entered.	Re-enter a value for maximum attachment size that is between 1 and 10.
	Maximum attachment size has not been entered.	Re-enter a value for maximum attachment size.
Fax Server	Fax Server e-Mail Address contains invalid characters.	Enter a valid fax server e-mail address.
Network Folder	No network folders have been set.	No action required.
	Authentication required to access xxxx. (xxxx: Domain\Computer)	No action required.
	Enter the new folder alias.	To rename the folder alias, press the [OK] button. Otherwise, press the [Cancel] button.



Screen	Message	Action
Network Folder	Specified network folder alias contains invalid characters.	Enter a valid network folder alias name.
	Specified network folder alias is already being used. Try a different alias.	Rename the network folder whose alias is already being used, and try adding the folder again.
	OK to remove this network folder from the list?	To remove the network folder, press the [OK] button. Otherwise, press the [Cancel] button.
	A single user is not allowed to connect to this network folder from multiple devices. Close all other connections to this folder and try again.	Close all other connections to this folder and try again.
	Access was refused.	Contact a server administrator to find out if an access permit has been set.
	Cannot find the network folder path.	Contact a server administrator.
	Operation not possible. Network path is not working.	Contact a server administrator.
	Not connected to the network.	Check that the system network is functioning normally by performing a ping test from another machine in the network, other than the server with network folder. If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions.
	Too many network connections. To continue, close any unused network connections, and try again.	Close unneeded network connections, then try opening the desired network connection again.
	Network is busy. Try again later.	Wait for a while, and try again.
Number of network path connections has reached the maximum allowed. No more may be specified.	Close unneeded network connections, then try specifying the desired network path again.	

Screen	Message	Action
Network Folder	Length of specified network folder path exceeds the maximum selectable path length. This folder may not be selected.	Select a different network folder and try again.
	Cannot acquire network information.	Contact an administrator for the specified server.
	Specified user is no longer able to login to this network folder.	<p>The Specified user account has expired.</p> <p>Try the following:</p> <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the account validated.
	Specified password is no longer valid for this network folder.	<p>Specified password was expired.</p> <p>Try the following:</p> <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password validated again.
	Specified user needs to renew their password for this network folder.	<p>Change the password before logging in to the network folder for the first time.</p> <p>Try the following:</p> <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password changed.



Screen	Message	Action
Alert Notification	Alert notification address contains invalid characters.	Enter a valid alert notification address.
	Notification e-mail address has not been entered.	Enter a notification e-mail address, and then send a test mail.
	Test e-mail could not be sent because a SMTP server has not been set yet.	Set a SMTP server and try again.
	Test e-mail could not be sent.	<p>Try the following:</p> <ul style="list-style-type: none">• Check if the computer connected to the SMTP server is running properly.• Check if an e-mail can be sent to the address from another personal computer in the network.• By performing a ping test, check if the SMTP server or the network connection to the SMTP server is working properly. If there is no response from the SMTP server ping test, check that the system network is functioning normally by performing an SMTP server ping test from another machine in the network.<ul style="list-style-type: none">• If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions.• If the only the SMTP server cannot connect to the network, request the network administrator to check that the SMTP server and the network connection to the server are functioning normally.

Screen	Message	Action
Ping	Ping Target IP Address has not been entered.	Enter a ping target IP address.
	Ping Target IP Address is incomplete.	Complete the ping target IP address.
	Ping Target Server Name contains invalid characters.	Enter a valid ping target server name.
	Ping Target Server Name has not been entered.	Enter a ping target server name.
	Ping Target Server IP address is invalid.	Enter a valid ping target IP address.
Network Status	Network cable must be connected.	Connect the network cable.
Usage Status	Do you wish to clear the pad assembly usage counter?	To clear the pad assembly usage counter, press the [OK] button. Otherwise, press the [Cancel] button.
	Do you wish to clear the pick roller usage counter?	To clear the pick roller usage counter, press the [OK] button. Otherwise, press the [Cancel] button.
User Log	No user logs.	No action required.
	OK to clear the combined User Log?	To clear the combined User Log, press the [OK] button. Otherwise, press the [Cancel] button.
System Log	No system logs.	No action required.
	OK to clear the System Log?	To clear the System Log, press the [OK] button. Otherwise, press the [Cancel] button.



Screen	Message	Action
User Data Store	Maximum file path length is 253 characters.	File path is too long. Set a file path that is no longer than 253 characters long.
	Specified user data store contents are invalid.	Check the contents of the specified user data store file.
	OK to overwrite the current user data store?	To restore data, press the [Yes] button. Otherwise, press the [No] button.
	Specified backup file could not be uploaded, or is not a valid user data store.	Try the following: <ul style="list-style-type: none">• Check if the specified backup file is correct.• Try restoring the file again.• Specified backup file may not be uploaded because of network error. Check the network status.
	Restoring from the specified backup file will cause the maximum number of user data stores to be exceeded. Clear the existing user data stores, and try again.	Up to 1,000 users can be registered. Clear the existing user data stores, and try again. "Restoring the User Data Store" (page 111)
	User data could not be restored. Specified file contains unsupported data.	Versions do not match between the backup device and restoring device. Update the restoring device. "3.9.3 Updating the Scanner's System Software" (page 124)
	User data store was successfully restored.	No action required.

Screen	Message	Action
System Settings File	Maximum file path length is 253 characters.	File path is too long. Set a file path that is no longer than 253 characters long.
	Specified backup file is invalid.	Specify a valid backup file.
	Specified backup file could not be found or could not be uploaded.	Try the following: <ul style="list-style-type: none"> • Check if the specified backup file is correct. • Try restoring the file again. • Specified backup file may not be uploaded because of network error. Check the network status.
	The system must be restarted to restore the system settings. OK to restore the system settings? Yes: Restore the system settings. Web-login will not be possible until the restart completes. No: Return to the previous screen without restoring the system settings.	To restore data, press the [Yes] button. Otherwise, press the [No] button.
	The system must be restarted to restore the system settings. OK to restore the factory default system settings? Yes: Restore the factory default system settings. Web-login will not be possible until the restart completes. No: Return to the previous screen without restoring the factory default system settings.	To restore data, press the [Yes] button. Otherwise, press the [No] button.
	Restoring the system settings. Please wait for the system to restart.	No action required.
	Restoring the factory default system settings. Please wait for the system to restart.	No action required.



Screen	Message	Action
System Settings File	Backup data could not be restored. Specified file contains unsupported data.	Versions do not match between the backup device and restoring device. Update the restoring device. "3.9.3 Updating the Scanner's System Software" (page 124)
	System settings were successfully restored. The scanner will be restarted.	No action required.
System Update	Maximum file path length is 253 characters.	Set a file path that is no longer than 253 characters long.
	Specified system update contents are invalid.	Check the contents of the specified system update.
	Specified update file could not be uploaded, or is not a valid system update.	Try the following: <ul style="list-style-type: none">• Check if the specified update file is correct, and try again.• Specified update file may not be uploaded because of network error. Check the network status.
	This system update has already been applied. System Version x.x.x.x	No action required.
	The system needs to be restarted to finalize the update. OK to update now? OK: update and restart immediately. Web-login will not be possible until the restart completes. Cancel: return to the Update screen without updating.	Press the [OK] button to update the system now. Otherwise, press the [Cancel] button.
	System update has completed and scanner is being restarted. Web-login will not be possible until the restart completes.	No action required.
Technical Support	Information output level has not been set.	Enter an information output level.

Screen	Message	Action
Common	Error: problem with XXXXXX. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider. Error code=xxxxxxx Result code=xxxxxxx (XXXXXX: Function Name)	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
	Error: problem with XXXXXX. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider. (XXXXXX: Function Name)	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

C.1.2 System Log Messages

System log messages which may appear during administrator operations can be arranged into the following two categories:

- Information
- Error

■ Information

Code	Message	Action
01000001	(XXXXXX) Settings were changed. Info: (XXXXXX: Function Name)	No action required.
01000002	Pad assembly usage counter was cleared.	
01000003	Pick roller usage counter was cleared.	
01000004	All users log was prepared for download.	
01000005	System log was prepared for download.	
01000006	User data store was prepared for download.	
01000007	User data store was restored.	
01000008	System settings were prepared for download.	
01000009	System was updated. Info: New System Version = x.x.x.x	
01000010	Test e-mail was sent successfully.	
01000011	User data store was cleared.	
01000012	System time was synchronized successfully.	
01000013	System settings were restored.	
01000014	Technical support data was prepared for download.	



■ Error

Code	Message	Action
81001001	Error: problem with XXXXXX. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider. Error code=xxxxxxx Result code=xxxxxxx (XXXXXX: Function Name)	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
81001002	Error: problem with XXXXXX. Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider. (XXXXXX: Function Name)	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
81001003	Corrupted system log file was deleted.	No action required.
81001004	Corrupted user log file was deleted.	No action required.

C.1.3 Alert Monitor System Log Messages

System log messages which may be received from the scanner alert monitor service can be arranged into the following three types:

- Information
- Error
- Warning

■ Information

The following table gives a summary of system log information messages which may be received from the scanner alert monitoring service.

No action is required.

Code	Message	Action
01001013	Scanner alert monitor started.	No action required.
01001014	Scanner alert monitor start date/time = yyyy/MM/dd HH:mm:ss	
01001015	Scanner alert monitor stopped.	
01001016	Scanner alert monitor stopped by system standby mode.	
01001017	Scanner alert monitor restarted after resume from standby.	



■ Error

The following table gives a summary of system log error messages which may be received from the scanner alert monitoring service.

The messages shown here are sent to the e-mail address specified in "3.6.9 Setting the Destination for Alert Notifications" (page 84).

Code	Message	Action
81000001	CPU power supply error.	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
81000002	1.5V power supply error.	
81000003	3.3V power supply error.	
81000004	5V power supply error.	
81000005	12V power supply error.	
81000006	-12V power supply error.	
81000007	5V Standby power supply error.	
81000008	Battery power supply error.	
81000009	Internal temperature error.	<ul style="list-style-type: none">• Check if the air ventilation inlet is blocked.• Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
81000010	CPU temperature error.	
81000011	System fan speed error.	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
81000012	CPU fan speed error.	



Code	Message	Action
81002003	Alert notification e-mail could not be sent.	<p>Check the following:</p> <ul style="list-style-type: none">• Check if the computer connected to the SMTP server is running properly.• Check if an e-mail can be sent to the address from another personal computer in the network.• By performing a ping test, check if the SMTP server or the network connection to the SMTP server is working properly. If there is no response from the SMTP server ping test, check that the system network is functioning normally by performing an SMTP server ping test from another machine in the network.<ul style="list-style-type: none">• If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions.• If only the SMTP server cannot connect to the network, request the network administrator to check that the SMTP server and the network connection to the server are functioning normally.
81002004	Device monitoring service error.	Contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

■ Warning

The following table gives a summary of system log warning messages which may be received from the scanner alert monitoring service.

The messages shown here are sent to the e-mail address specified in "3.6.9 Setting the Destination for Alert Notifications" (page 84).

Code	Message	Action
82000004	LCD backlight rated lifetime reached. Replace as convenient.	LCD backlight has reached 50,000 hours of operation, its recommended rated lifetime. The backlight should be replaced when convenient.
82000005	Pad assembly needs replacement soon.	Obtain a replacement pad assembly soon. The pad assembly should be replaced after every 50,000 scanned sheets or once a year.
82000006	Pad assembly needs replacement now.	Pad assembly has passed its rated lifetime (50,000 scanned sheets or one a year) and needs to be replaced.
82000007	Pick roller needs replacement soon.	Obtain a replacement pick roller. The pick roller should be replaced after every 100,000 scanned sheets or once a year.
82000008	Pick roller needs replacement now.	Pick roller has passed its rated lifetime (100,000 scanned sheets or one a year) and needs to be replaced.

C.2 Regular User Messages

The following messages may appear during regular user operation.

C.2.1 Regular User Screen Messages

Screen	Message	Action
Login	Administrator operation in progress, please wait...	Only one administrator or user can login to the scanner at any one time. Please wait until operations are completed.
	Login failed. Check the user name and password, and try again.	Try the following: <ul style="list-style-type: none">• Enter a user name and password and try again.• Enter a valid user name and password, and try again.• Contact a system administrator and have them check that the LDAP server is set.• Contact a system administrator to have the server status checked.• Contact a system administrator to check if the password has expired.
	Scanner initialization has failed. Try turning the power off and back on again. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	Try turning the power off for ten seconds, and back on again. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
	Invalid LDAP Search Base format.	Contact a system administrator to have the LDAP search base format corrected. "3.6.5 Setting the LDAP Server" (page 64)



Screen	Message	Action
Login	LDAP server is busy.	Try the following checks or solutions: <ul style="list-style-type: none"> • Contact a system administrator to have the network settings checked. "6.3 Network Connection Troubleshooting" (page 234) • Contact a system administrator to have the server status checked.
	Number of user data stores has reached the maximum allowed. New users may not login until the old user data stores are deleted.	Contact a system administrator to have the user information deleted. "Restoring the User Data Store" (page 111)
Consumable Alert	Normal	No action required.
	Replace Soon	Replace the consumable part when convenient. For details, refer to "5.5 Replacing Parts" (page 218).
Scanning	Scanning...	No action required.
	Document not found. Load a document into the ADF, making sure the side guides are adjusted correctly and try again.	Load the document into the ADF paper chute, and try again. Load the document to prevent any space between the side guides and the edges of the documents. For details, refer to "4.1 Loading Documents" (page 132).
	Paper jam has occurred. Remove the documents from the ADF and try again.	Try the following: <ul style="list-style-type: none"> • Remove the documents from the ADF. • Remove the pages which were not scanned correctly.
	Top cover may be open. Close the top cover, reload the documents and try again.	Close the top cover, reload the documents and try again.



Screen	Message	Action
Scanning	Feed Error: Document(s) may not match the set paper size, ADF may have grabbed more than one sheet, or documents may not be suitable for scanning. Remove the documents from the ADF, check them and try again. If problem persists, consult the manual.	Press the ADF release button to open the top cover, and remove the documents from the ADF. If more than one sheet has been fed, reset the document and try again. Check that the actual document(s) size matches the paper size specified in the "Paper Size" screen. If not, specify the paper size again. For details, refer to "4.7.3 Paper Size" (page 175).
	Insufficient memory. Try turning the power off and back on again. If problem persists, the administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	Try the following: <ul style="list-style-type: none">• Reduce the size of the scan data or set a lower resolution level, and try again.• System might be unstable. Try turning the power off for ten seconds, and back on again. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
	An error has occurred. Some pages were skipped. Try again after turning the power off and back on again. If problem persists, the administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help. Number of Skipped Pages:	Try turning the power off for ten seconds, and back on again. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
	Scanner hardware failure. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	Try turning the power off for ten seconds, and back on again. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Screen	Message	Action
Roller Cleaning	Scanner top cover is closed. Open the cover and try again.	Open the top cover to clean the feed rollers, and try again. For details, refer to "5.2.1 Cleaning the ADF" (page 211).
	Press the [c] key to rotate the rollers. Once roller cleaning has been completed, press the [OK] button.	Clean the rollers, and then press the [OK] button.
Delete e-Mail Address	OK to delete the following data?	To delete the data, check the contents and press the [OK] button. Otherwise, press the [Cancel] button.
Delete Fax Number	OK to delete the following data?	To delete the data, check the contents and press the [OK] button. Otherwise, press the [Cancel] button.
Main Menu	Maximum number (10) of Scan&Buffer jobs already queued, please wait...	A maximum of ten jobs may be buffered. The scanner is busy. Please wait.
	OK to logout now?	To logout, press the [OK] button. Otherwise press the [Cancel] button.
Shutdown	OK to shutdown now?	To shutdown the scanner, press the [OK] button. Otherwise, press the [Cancel] button.
	Shutdown will occur after all job finish. Please wait...	Operations cannot be carried out while the scanner is shutting down. The scanner will shutdown automatically. Please wait.
Color Mode	("Black & White" mode is incompatible with the "JPEG" file format)	On the "Color Mode" screen, specify "Auto" or "RGB Color". For details, refer to "4.7.1 Color Mode" (page 171).
	("JPEG" file format + "Auto" color mode always creates RGB color data)	No action required.



Screen	Message	Action
Resolution	("600dpi" resolution is incompatible with the "Auto" paper size)	No action required.
	("600dpi" is incompatible with the "High Compression for Color PDF")	No action required.
Paper Size	("Auto" paper size is incompatible with the "600dpi" resolution)	No action required.
Custom Paper Size	Invalid paper size value. Try again.	Enter a valid paper size value.
	For long page mode, the following options are fixed at the indicated values: Searchable PDF: No Page Orientation: Off Blank Page Skip: Off Multifeed Setup: None The following option/values are also incompatible with long page mode: Color Mode: Auto (changes to RGB Color) Resolution: 600dpi (changes to 200dpi)	No action required.
File Format	("JPEG" format is incompatible with the "Black & White" color mode)	On the "File Format" screen, specify the file format other than "JPEG". For details, refer to "4.7.5 File Format" (page 181).
Searchable PDF	(Creating a Searchable PDF can take a long time)	No action required.
	First searchable page must be before the last searchable page.	Specify a last searchable page value that is larger than the first searchable page value.
	Invalid page number(s). Enter values between 1 and 999, and try again.	Enter values between 1 and 999, and try again.

Screen	Message	Action
PDF Password	Password is incorrect. Try again.	Enter the same passwords for both "Password" and "Confirm Password" fields.
	Password contains invalid characters. Re-enter the password, and try again.	Enter a password and try again.
	Password field is empty. Enter a password and try again.	Enter a password and try again.
Compression	(Compression settings for color data)	No action required.
	(Only for the "PDF" File Format)	No action required.
	("High Compression for Color PDF" is incompatible with "600dpi" resolution)	No action required.
Multifeed Setup	(Problems can occur if "Length" or "Both" is used with the "Auto" paper size)	No action required.



Screen	Message	Action
Scan Test	Load a test page and press the [Scan] button.	No action required.
	Top cover may be open. Close the top cover, reload the documents and try again.	Close the top cover, reload the documents and try again.
	Document not found. Load a document into the ADF, making sure the side guides are adjusted correctly and try again.	Load the document into the ADF paper chute, and try again. Load the document to prevent any space between the side guides and the edges of the documents. For details, refer to "4.1 Loading Documents" (page 132).
	Feed Error: Document(s) may not match the set paper size, ADF may have grabbed more than one sheet, or documents may not be suitable for scanning. Remove the documents from the ADF, check them and try again. If problem persists, consult the manual.	Press the ADF release button to open the top cover, and remove the documents from the ADF. If more than one sheet has been fed, reset the document and try again. Check that the actual document(s) size matches the paper size specified in the "Paper Size" screen. If not, specify the paper size again. For details, refer to "4.7.3 Paper Size" (page 175).
	Paper jam has occurred. Remove the documents from the ADF and try again.	Try the following: <ul style="list-style-type: none">• Remove the documents from the ADF.• Remove the pages which were not scanned correctly.
	Scanner initialization has failed. Try turning the power off and back on again. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	Try turning the power off for ten seconds, and back on again. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

Screen	Message	Action
Send e-Mail	Attachment file name must be specified.	Enter an attachment file name.
	Save as: filename contains invalid characters. (\:*?"<>) Try again.	The following characters cannot be used. \\ : * ? " < > Re-enter the filename using only valid characters.
	"From" address is required.	Enter an e-mail address in the "From" field.
	"To" address is required.	Enter an e-mail address in the "To" field.
	Invalid "From" address. Re-enter the address and try again.	Enter a valid e-mail address including "@".
	Invalid "To" address. Re-enter the address and try again.	Enter a valid e-mail address including "@".
	Invalid "Cc" address. Re-enter the address and try again.	Enter a valid e-mail address including "@".
	Invalid "Bcc" address. Re-enter the address and try again.	Enter a valid e-mail address including "@".
	Current login (LDAP account) has become invalid.	Contact a system administrator to have the login account validated.
	For "JPEG" and "TIFF" file formats, each page will be attached to the e-mail as a separate file.	Click the [OK] button to attach the file to the e-mail. Click the [Cancel] button to not attach the file.



Screen	Message	Action
e-Mail Address Book	Search has timed out. Contact a system administrator.	Contact a system administrator to check the time of the search timeout. "3.6.5 Setting the LDAP Server" (page 64)
	LDAP server is busy.	Try the following checks or solutions: <ul style="list-style-type: none">• Contact a system administrator to have the network settings checked. "6.3 Network Connection Troubleshooting" (page 234)• Contact a system administrator to have the server status checked.
	Too many matches. Try refining the search conditions.	Enter more specific search conditions to narrow down the search.
Add e-Mail Address	First name is required.	Enter a first name.
	e-Mail address is required.	Enter an e-mail address.
	This e-mail address already exists. Try a different e-mail address.	Enter a different e-mail address.
	Invalid e-mail address. Try again.	Enter a valid e-mail address.
Edit e-Mail Address	First name is required.	Enter a first name.
	e-Mail address is required.	Enter an e-mail address.
	This e-mail address already exists. Try a different e-mail address.	Enter a different e-mail address.
	Invalid e-mail address. Try again.	Enter a valid e-mail address.

Screen	Message	Action
Send Fax	Fax number must be specified.	Enter a fax number.
	Invalid fax number. Try again.	Enter a valid fax number. Only numbers 0 to 9, -, *, and # can be used.
	Notification address (sender's e-mail address) must be specified.	Enter a notification address.
	Invalid notification address (sender's e-mail address). Try again.	Enter a valid notification address.
	Current login (LDAP account) has become invalid.	Contact a system administrator to have the login account validated.
Fax Number List	Search has timed out. Contact a system administrator.	Contact a system administrator to have the time-out interval checked. "3.6.5 Setting the LDAP Server" (page 64)
Add Fax Number	Recipient must be specified.	Enter a recipient.
	Fax number must be specified.	Enter a fax number.
	This fax number already exists. Try a different fax number.	Enter a different fax number.
	Invalid fax number. Try again.	Enter a valid fax number. Only numbers 0 to 9, -, *, and # can be used.
Edit Fax Number	Recipient must be specified.	Enter a recipient.
	Fax number must be specified.	Enter a fax number.
	This fax number already exists. Try a different fax number.	Enter a different fax number.
	Invalid fax number. Try again.	Enter a valid fax number. Only numbers 0 to 9, -, *, and # can be used.



Screen	Message	Action
Save	"Save in:" folder must be specified.	Specify a folder.
	"Save as:" file name must be specified.	Enter a file name.
	"Save as:" filename contains invalid characters. (\ / : * ? " < >) Try again.	The following characters cannot be used. \\ : * ? " < > Re-enter the filename using only valid characters.
	Network is busy. Try again later.	Wait for a while, and try again.
	User name or password may be incorrect.	Re-enter the user name and password.
	Cannot find the network folder path.	Contact a server administrator.
	File already exists. Choose a different name or change the overwrite permission setting.	Change the file name, or select [Yes] to overwrite the file with the same name.
	Not connected to the network.	Check that the system network is functioning normally by performing a ping test from another machine in the network, other than the server with network folder. If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its server name" (page 244) for further solutions.
Scan&Buffer job is already queued on the computer that owns the specified network folder.	Try the following: <ul style="list-style-type: none">• Select a different network folder.• Wait a short time, then try again.	

Screen	Message	Action
Save	Access was refused.	Contact a server administrator to find out if an access permit has been set.
	Network path is too long.	Try the following: <ul style="list-style-type: none"> • Set a shorter file name. • Select a "Save in" folder with a shorter name. • Contact a system administrator to have the folder path name shortened.
	Error: file could not be saved.	Ensure the free space requirements are met, and try again.
	Number of network path connections has reached the maximum allowed. No more may be specified.	Close unneeded network connections, then try specifying the desired network path again.
	The file to be overwritten may be in use elsewhere.	Check that the file to be overwritten is closed, and try again.
	Current login (LDAP account) has become invalid.	Contact a system administrator to have the login account validated.
	Specified user is no longer able to login to this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the account validated.
	Specified password is no longer valid for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password validated again.
	Specified user needs to renew their password for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password changed.
Error: network folder access was refused.	Contact a network administrator to check whether the network folder can store data.	



Screen	Message	Action
Folder Server Authentication	User name is required.	Enter a user name.
	Network is busy. Try again later.	Wait for a while, and try again.
	User name or password may be incorrect.	Re-enter the user name and password.
	Cannot find the network folder path.	Contact a server administrator.
	File already exists. Choose a different name or change the overwrite permission setting.	Change the file name, or select [Yes] to overwrite the file with the same name.
	Not connected to the network.	Check that the system network is functioning normally by performing a ping test from another machine in the network, other than the server with network folder. If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its IP address" (page 242) for further solutions.
	Scan&Buffer job is already queued on the computer that owns the specified network folder.	Try the following: <ul style="list-style-type: none">• Select a different network folder.• Wait a short time, then try again.
	Access was refused.	Contact a server administrator to find out if an access permit has been set.
	Insufficient free space in the designated network folder.	Ensure the free space requirements are met, and try again.
	Number of network path connections has reached the maximum allowed. No more may be specified.	Close unneeded network connections, then try specifying the desired network path again.
Specified user is no longer able to login to this network folder.	Try the following: <ul style="list-style-type: none">• Login with a different account.• Contact a network administrator to have the account validated.	

Screen	Message	Action
Folder Server Authentication	Specified password is no longer valid for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password validated again.
	Specified user needs to renew their password for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password changed.
	Error: network folder access was refused.	Contact a network administrator to check whether the network folder can store data.
Startup Scanner	Application could not be started. System restored to last known good state. Contact a system administrator.	System or user settings were restored at system restart. The administrator should check the restored system or user settings.
Scan Viewer	Scan not possible. Number of scan pages exceeds the maximum (999 pages).	Finish all operations (sending mail, fax, saving to network folders), and try again.
	All scanned pages are blank. Check the documents. "Blank Page Skip" is set to "Auto", so all scanned pages were cleared.	Turn the "Blank Page Skip" option "Off", and try again. "4.7.12 Blank Page Skip" (page 194)
Sending e-Mail	Mailing scan data to XXXX	No action required.
Sending Fax	Faxing scan data to XXXX	No action required.
Saving	Saving scan data to XXXX	No action required.
Cancel Scan	OK to cancel scan?	To stop scanning documents, press the [OK] button. Otherwise, press the [Cancel] button.



Screen	Message	Action
Others	Cannot connect to the LDAP server.	Try the following checks or solutions: <ul style="list-style-type: none">• The network settings may not be valid. Contact a system administrator to have the network settings checked. "6.3 Network Connection Troubleshooting" (page 234)• The server is not working. Contact a system administrator to have the server status checked.
	LDAP server response error.	Contact a system administrator to check whether the LDAP server is available.
	An error has occurred. Try turning the power off and back on again. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help. [alphanumeric eight digits]	Try turning the power off for ten seconds, and back on again. If the problem persists, the administrator should contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
	An error has occurred. The system must be restarted. Any buffered jobs will be canceled. If problem persists, the administrator should contact a FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help. [alphanumeric eight digits]	If the problem persists, the administrator should contact a FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

C.2.2 System Log Messages

System log messages which may appear during user operations can be arranged into the following three categories:

- Information
- Warning
- Error

■ Information

Code	Message	Action
01080101	Pick roller cleaned.	No action required.
010E0001	Maximum number (10) of Scan&Buffer jobs already queued, please wait...	A maximum of ten jobs may be buffered. Wait until scanner is no longer in busy status.
01121001	Scanner started up.	No action required.
01121002	Scanner resumed from standby mode.	No action required.
01131001	Scanner shutdown.	No action required.
01131002	Scanner entered standby mode.	No action required.

■ Warning

Code	Message	Action
110C0010	Password contains invalid characters. Re-enter the password, and try again.	Enter a password and try again.
83070001	Pad assembly needs replacing. Contact a system administrator.	To have the pad assembly replaced, contact a system administrator. The system administrator should open the top cover and replace the pad assembly. "5.5.1 Replacing the Pad Assembly" (page 220)
83070002	Pick roller needs replacing. Contact a system administrator.	To have the pick roller replaced, contact a system administrator. The system administrator should open the top cover and replace the pick roller. "5.5.2 Replacing the Pick Roller" (page 221)

■ Error

Code	Message	Action
100B0001	Network is busy. Try again later.	Wait for a while, and try again.
11080001	Number of user data stores has reached the maximum allowed. New users may not login until the old user data stores are deleted.	To have the user data store cleared, contact a system administrator. Clearing the user data store is not an undoable action. "Clearing the User Data Store" (page 114)
11090001	Application could not be started. System restored to last known good state. Contact a system administrator.	System or user settings were restored at system restart. Contact a system administrator. The administrator should check the restored system or user settings.
110B0001	Search has timed out. Contact a system administrator.	Contact a system administrator to check the time of the search timeout. "3.6.5 Setting the LDAP Server" (page 64)
110B0004	LDAP server is busy.	Try the following checks or solutions: <ul style="list-style-type: none"> • Contact a system administrator to have the network settings checked. "6.3 Network Connection Troubleshooting" (page 234) • Contact a system administrator to have the server status checked.
110B0100	LDAP server response error.	Contact a system administrator to check whether the LDAP server is available.
110D0002	Cannot connect to the LDAP server.	Try the following: <ul style="list-style-type: none"> • The network settings may not be valid. Contact a system administrator to have the network settings checked. "6.3 Network Connection Troubleshooting" (page 234) • The server is not working. Contact a system administrator to have the server status checked.
110D0005	Number of network path connections has reached the maximum allowed. No more may be specified.	Close unneeded network connections, then try specifying the desired network path again.

Code	Message	Action
110D0006	Invalid LDAP Search Base format.	Contact a system administrator to have the LDAP search base format corrected. "3.6.5 Setting the LDAP Server" (page 64)
110D0007	Current login (LDAP account) has become invalid.	Contact a system administrator to have the login account validated.
110D0008	The file to be overwritten may be in use elsewhere.	Check that the file to be overwritten is closed, and try again.
110D0009	Specified password is no longer valid for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password validated again.
110D000A	Specified user needs to renew their password for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password changed.
110D000B	Specified user is no longer able to login to this network folder.	Try the following: <ul style="list-style-type: none"> • Login a with different account. • Contact a network administrator to have the account validated.
110D0100	Error: network folder access was refused.	Contact a network administrator to check whether the network folder can store data.
11150001	Corrupted system log file was deleted.	System log file was deleted because the scanner was turned off during operations. No action required.
11150002	Corrupted user log file was deleted.	User log file was deleted because the scanner was turned off during operations. No action required.



Code	Message	Action
12010001	Scanned data size exceeded maximum size allowed for e-mail attachments.	Try the following: <ul style="list-style-type: none">• Reduce the number of pages to be scanned and send the e-mail in separate parts.• Select a higher compression level and try again. "4.7.8 Compression" (page 188) If the problem persists, contact a system administrator to check the "Maximum Attachment Size" setting. "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69)
12010002	Could not connect to server when sending e-mail.	Try the following: <ul style="list-style-type: none">• Check that the LAN cable of the scanner and SMTP server is connected properly.• Contact a system administrator to check that then scanner IP address and SMTP server settings are correct. "6.3 Network Connection Troubleshooting" (page 234)• Contact a system administrator to check that the SMTP server is working properly.
12010003	"From" address was rejected by the server when sending e-mail.	Contact a system administrator to check that the specified e-mail source address is authorized for use on the server.
12010004	"To" address was rejected by the server when sending e-mail.	Contact a system administrator to check that the specified e-mail destination address is authorized for use on the server.
12010005	e-Mail size exceeded maximum e-mail size allowed by the SMTP server.	Contact a system administrator to check the maximum e-mail size allowed by the SMTP server.

Code	Message	Action
12010006	SMTP server connection was lost while sending e-mail.	<p>Try the following:</p> <ul style="list-style-type: none"> • Check that the LAN cable of the scanner and SMTP server is connected properly. • Contact a system administrator to check that then scanner IP address and SMTP server settings are correct. "6.3 Network Connection Troubleshooting" (page 234) • Contact a system administrator to check that the SMTP server is working properly. • Contact a system administrator to check the maximum e-mail size allowed by the SMTP server.
12010100	Error: e-mail could not be sent.	Contact a system administrator to check if sending e-mail is allowed.
12020001	Scanned data size exceeded maximum size allowed for sending by fax.	<p>Try the following:</p> <ul style="list-style-type: none"> • Reduce the number of pages to be scanned and send the fax in separate parts. • Select a higher compression level, and try again. "4.7.8 Compression" (page 188) <p>If the problem persists, contact a system administrator to check the "Maximum Attachment Size" setting. "3.6.7 Setting the Fax Server" (page 71)</p>
12020002	Could not connect to server when sending fax.	<p>Try the following:</p> <ul style="list-style-type: none"> • Check that the LAN cable of the scanner and SMTP server is connected properly. • Contact a system administrator to check that the scanner IP address, SMTP server and fax server settings are correct. "6.3 Network Connection Troubleshooting" (page 234) • Contact a system administrator to check that the SMTP and fax servers are working properly.



Code	Message	Action
12020003	"From" address was rejected by the server when sending fax.	Contact a system administrator to check that the specified e-mail source address is authorized for use on the server.
12020004	"To" address was rejected by the server when sending fax.	Contact a system administrator to check that the specified e-mail destination address is authorized for use on the server.
12020005	Fax size exceeded maximum fax size allowed by the SMTP server.	Contact a system administrator to check the "Maximum Attachment Size" setting. "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69)
12020006	SMTP server connection was lost while sending fax data.	Try the following: <ul style="list-style-type: none">• Check that the LAN cable of the scanner and SMTP server is connected properly.• Contact a system administrator to check that then scanner IP address and SMTP server settings are correct. "6.3 Network Connection Troubleshooting" (page 234)• Contact a system administrator to check that the SMTP server is working properly.• Contact a system administrator to check the maximum e-mail size allowed by the SMTP server.
12020100	Error: fax could not be sent.	Contact a system administrator to check if sending fax is allowed.
12040001	Cannot find the network folder path.	Try the following: <ul style="list-style-type: none">• Check that the LAN cable of the scanner and file server is connected properly.• Check that the file server is working properly.• Contact a system administrator to check that the scanner IP address and network folder settings are correct. "6.3 Network Connection Troubleshooting" (page 234)
12040002	Access to network folder was refused.	Contact a system administrator to check whether or not access to the network folder is permitted for the currently logged in user or authenticated user.

Code	Message	Action
12040003	File already existed, so data could not be saved.	To overwrite the existing file, on the "Save" screen, set "Overwrite old files?" as "Yes", and try again.
12040005	Network is busy. Try again later.	Try again later.
12040006	User name or password may be incorrect.	Re-enter the user name and password.
12040007	Not connected to the network.	Check that the system network is functioning normally by performing a ping test from another machine in the network, other than the server with network folder. If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its server name" (page 244) for further solutions.
12040008	Scan&Buffer job is already queued on the computer that owns the specified network folder.	Try the following: <ul style="list-style-type: none"> • Select a different network folder. • Wait a short time, then try again.
12040009	Insufficient free space in the designated network folder.	Ensure the free space requirements are met, and try again.
1204000A	Number of network path connections has reached the maximum allowed. No more may be specified.	Close unneeded network connections, then try specifying the desired network path again.
1204000B	File targeted for overwriting may already be in use.	Check that the file to be overwritten is closed, and try again.
1204000C	Specified user is no longer able to login to this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the account validated.
1204000D	Specified password is no longer valid for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password validated again.



Code	Message	Action
1204000E	Specified user needs to renew their password for this network folder.	Try the following: <ul style="list-style-type: none">• Login with a different account.• Contact a network administrator to have the password changed.
12040100	Error: network folder access was refused.	Contact a network administrator to check whether the network folder can store data.
12130001	Error: Scan&Buffer process could not output data for the scheduled jobs.	Try again.
13060001	Scanner initialization has failed. Try turning the power off and back on again. If problem persists, the administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	Try turning the power off for ten seconds, and back on again. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
1306001A		
1306001D		
1306002C	Insufficient memory. Try turning the power off and back on again. If problem persists, the administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	System might be unstable. Shutdown and press the startup button to restart the scanner. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
1314002C		Reduce the size of the scan data or set a lower resolution level, and try again.
13061001	Scan error occurred.	Shutdown and press the startup button to restart the scanner. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
13061002	File name: xxxxx	
13061003	Error code: xxxxx	

Code	Message	Action
83070006	Scanner hardware failure. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	Shutdown and press the startup button to restart the scanner. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
83070007		Shutdown and press the startup button to restart the scanner. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
83070008		Shutdown and press the startup button to restart the scanner. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
8307000C		Shutdown and press the startup button to restart the scanner. If the problem persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
84000001	An error has occurred. Try turning the power off and back on again. If problem persists, the administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help. [alphanumeric eight digits]	Shutdown and press the startup button to restart the scanner. If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
84000002	An error has occurred. The system must be restarted. Any buffered jobs will be canceled. If problem persists, the administrator should contact a FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help. [alphanumeric eight digits]	If the problem persists, the administrator should contact a FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.

C.2.3 User Log

Code	Message	Action
00000000	-----	No action required.
12010001	Scanned data size exceeded maximum size allowed for e-mail attachments.	<p>Try the following:</p> <ul style="list-style-type: none"> • Reduce the number of pages to be scanned and send the e-mail in separate parts. • Select a higher compression level and try again. "4.7.8 Compression" (page 188) <p>If the problem persists, contact a system administrator to check the "Maximum Attachment Size" setting. "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69)</p>
12010002	Could not connect to server when sending e-mail.	<p>Try the following:</p> <ul style="list-style-type: none"> • Check that the LAN cable of the scanner and SMTP server is connected properly. • Contact a system administrator to check that then scanner IP address and SMTP server settings are correct. "6.3 Network Connection Troubleshooting" (page 234) • Contact a system administrator to check that the SMTP server is working properly.
12010003	"From" address was rejected by the server when sending e-mail.	Contact a system administrator to check that the specified e-mail source address is authorized for use on the server.
12010004	"To" address was rejected by the server when sending e-mail.	Contact a system administrator to check that the specified e-mail destination address is authorized for use on the server.
12010005	e-Mail size exceeded maximum e-mail size allowed by the SMTP server.	Contact a system administrator to check the maximum e-mail size allowed by the SMTP server.



Code	Message	Action
12010006	SMTP server connection was lost while sending e-mail.	<p>Try the following:</p> <ul style="list-style-type: none"> • Check that the LAN cable of the scanner and SMTP server is connected properly. • Contact a system administrator to check that then scanner IP address and SMTP server settings are correct. "6.3 Network Connection Troubleshooting" (page 202) • Contact a system administrator to check that the SMTP server is working properly. • Contact a system administrator to check the maximum e-mail size allowed by the SMTP server.
12010100	Error: e-mail could not be sent.	Contact a system administrator to check if sending e-mail is allowed.
12020001	Scanned data size exceeded maximum size allowed for sending by fax.	<p>Try the following:</p> <ul style="list-style-type: none"> • Reduce the number of pages to be scanned and send the fax in separate parts. • Select a higher compression level, and try again. "4.7.8 Compression" (page 188) <p>If the problem persists, contact a system administrator to check the "Maximum Attachment Size" setting. "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69)</p>
12020002	Could not connect to server when sending fax.	<p>Try the following:</p> <ul style="list-style-type: none"> • Check that the LAN cable of the scanner and SMTP server is connected properly. • Contact a system administrator to check that the scanner IP address, SMTP server and fax server settings are correct. "6.3 Network Connection Troubleshooting" (page 234) • Contact a system administrator to check that the SMTP and fax servers are working properly.



Code	Message	Action
12020003	"From" address was rejected by the server when sending fax.	Contact a system administrator to check that the specified e-mail source address is authorized for use on the server.
12020004	"To" address was rejected by the server when sending fax.	Contact a system administrator to check that the specified e-mail destination address is authorized for use on the server.
12020005	Fax size exceeded maximum fax size allowed by the SMTP server.	Contact a system administrator to check the "Maximum Attachment Size" setting. "3.6.6 Setting the e-Mail Server (SMTP Server)" (page 69)
12020006	SMTP server connection was lost while sending fax data.	Try the following: <ul style="list-style-type: none">• Check that the LAN cable of the scanner and SMTP server is connected properly.• Contact a system administrator to check that then scanner IP address and SMTP server settings are correct. "6.3 Network Connection Troubleshooting" (page 234)• Contact a system administrator to check that the SMTP server is working properly.• Contact a system administrator to check the maximum e-mail size allowed by the SMTP server.
12020100	Error: fax could not be sent.	Contact a system administrator to check if sending fax is allowed.
12040001	Cannot find the network folder path.	Try the following: <ul style="list-style-type: none">• Check that the LAN cable of the scanner and file server is connected properly.• Check that the file server is working properly.• Contact a system administrator to check that the scanner IP address and network folder settings are correct. "6.3 Network Connection Troubleshooting" (page 234)
12040002	Access to network folder was refused.	Contact a system administrator to check whether or not access to the network folder is permitted for the currently logged in user or authenticated user.

Code	Message	Action
12040003	File already existed, so data could not be saved.	To overwrite the existing file, on the "Save" screen, set "Overwrite old files?" as "Yes", and try again.
12040005	Network is busy. Try again later.	Try again later.
12040006	User name or password may be incorrect.	Re-enter the user name and password.
12040007	Not connected to the network.	Check that the system network is functioning normally by performing a ping test from another machine in the network, other than the server with network folder. If the system network is not operating correctly, refer to "Failure to connect to a remote computer using its server name" (page 244) for further solutions.
12040008	Scan&Buffer job is already queued on the computer that owns the specified network folder.	Try the following: <ul style="list-style-type: none"> • Select a different network folder. • Wait a short time, then try again.
12040009	Insufficient free space in the designated network folder.	Ensure the free space requirements are met, and try again.
1204000A	Number of network path connections has reached the maximum allowed. No more may be specified.	Close unneeded network connections, then try specifying the desired network path again.
1204000B	File targeted for overwriting may already be in use.	Check that the file to be overwritten is closed, and try again.
1204000C	Specified user is no longer able to login to this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the account validated.
1204000D	Specified password is no longer valid for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password validated again.

Code	Message	Action
1204000E	Specified user needs to renew their password for this network folder.	Try the following: <ul style="list-style-type: none"> • Login with a different account. • Contact a network administrator to have the password changed.
12040100	Error: network folder access was refused.	Contact a network administrator to check whether the network folder can store data.
12130001	Error: Scan&Buffer process could not output data for the scheduled jobs.	Try again.
F4B30000	An error has occurred. Try turning the power off and back on again. The administrator should contact the FUJITSU scanner dealer or an authorized FUJITSU scanner service provider for help.	An error has occurred.
F4CA0000		Shutdown and press the startup button to restart the scanner.
F4EF0000		If the error status persists, contact your FUJITSU scanner dealer or an authorized FUJITSU scanner service provider.
F2010002		
F2020002		
F2040002		



Appendix D

Glossary

Admin

User

D

A4 size

A standard international paper size. (210 × 297mm / approximately 8.27 × 11.7inches)

A5 size

A standard international paper size. (148 × 210mm / approximately 15.83 × 8.27inches)

A6 size

A standard international paper size. (105 × 148mm / approximately 14.13 × 5.83inches)

ADF (Automatic Document Feeder)

A unit that allows the user to scan a number of pages consecutively.

Documents are transported from the ADF paper chute past the scanning area to the output tray. Actual scanning is performed by the CCD sensors inside of this unit.

B5 size

A standard international paper size. (182 × 257mm / approximately 7.17 × 10.12inches)

B6 size

A standard international paper size. (128 × 182mm / approximately 5.04 × 7.17inches)

Brightness

Refers to the brightness level of the scanned images.

Business card size

A standard paper size. (89 × 51mm)

Portrait orientation is used for this scanner.

Canadian DOC Regulations

A standard issued by Industry Canada, a department of the Canadian government, which sets out the technical requirements relative to the radiated and conducted radio noise emissions from digital apparatus.

Default settings

The settings installed at time of factory shipping.

Duplex scan mode

A scan mode where both sides of each document sheet are scanned. See also "Simplex scan mode".

dpi (dots per inch)

Dots per inch. Number of dots lined along one inch. The measurement of resolution normally used for scanners and printers. Higher dpi means better resolution.

Executive size

A standard international paper size. (266.7 × 184.2mm / approximately 10.5 × 7.25inches)

FCC

Acronym for "The Federal Communications Commission", an independent United States government agency which is in charge of regulating interstate and international communications via radio, television, wire, satellite and cable. The Part 15 of the FCC regulations mentioned in this manual is designed to prevent harmful interferences on radio communication of radio receivers and other devices which radiate radio frequency energy, and provides for the certification of radio receivers. It also provides the certification of low power transmitters and the operation of certificated transmitters without a license.

D

Feed roller

Rollers that feed documents through the ADF.

Idler roller

Rollers that feed documents through the ADF.

Interface

The connection that allows communication from the computer to the scanner.

Landscape orientation

A document with its long side horizontal and its short side vertical. See also "Portrait orientation".

LDAP (Lightweight Directory Access Protocol)

A protocol for accessing a directory database over a TCP/IP network.

Legal size

A standard international paper size. (215.9 × 355.6mm / 8.5 × 14inches)

Letter size

A standard North American paper size. (8.5 × 11inches / 215.9 × 279.4mm)

MMR

ITU (CCITT) Group 4 compression.

A compression method used when the color mode is black and white.

Multifeed detection

A scanner function which detects accidental feeding of multiple sheets into the ADF.

Noise

Isolated white (black) dots appearing on black (white) areas of an image.

Pad assembly (PAD ASSY)

A collection of rubber pads and metal leaf springs that is used to help separate a single document sheet from a batch in the ADF paper chute for feeding into the ADF.

Paper jam

A warning that appears when a document sheet is jammed in the document feed path, or document feeding is interrupted by a slipping sheet.

Pick roller

A roller that picks the next document sheet out of the ADF paper chute and the ADF.

Portrait orientation

A document with its long side vertical and its short side horizontal.

See also "Landscape orientation".

Postcard size

A standard paper size. (148 × 100mm / approximately 5.83 × 5.94inches)

Portrait orientation is used for this scanner.

Resolution

A measure of the fineness of details or grain of images. The customary metric of resolution is dpi (dots per inch). For any given image, the higher the resolution, the more dots or pixels that can be used, and the greater the resulting fineness of detail that can be expressed.

Simplex scan mode

A scan mode where only one side of each document sheet is scanned. See also "Duplex scan mode".

Ultrasonic sensor

A type of sensor that uses ultrasonic sound waves, in this case to detect document multifeeds by recognizing differences in how the sound penetrates single versus multiple sheets.

A large, bold, white capital letter 'D' is centered within a solid black square. The square is positioned on the right side of the page, partially overlapping the edge.

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Network Scanner fi-6000NS

Operator's Guide

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