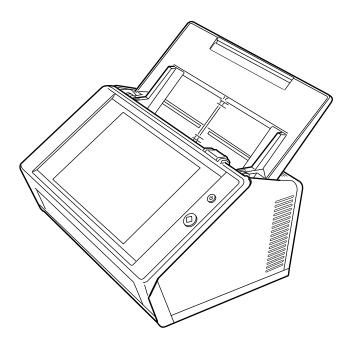
RICOH

N7100E

Getting Started





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Introduction

Thank you for purchasing Image Scanner N7100E (hereinafter referred to as "the scanner"). This scanner is a network image scanner. This easy-tooperate scanner facilitates the optimal flow of office work for the workgroup communicating via the network.

June 2023

Trademarks

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Manufacturer

PFU Limited

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Manuals

Types of Manuals

The following manuals are prepared for the scanner. Read them as needed.

Manual	Description
N7100E Getting Started (this manual) (paper)	Contains important information regarding safety. Also describes the procedure from installing the scanner to starting the scanner operation. Read this manual first. Referred to as "Getting Started" in this manual.
N7100E Operator's Guide (PDF)	Contains information about the scanner overview, basic operations, daily cleaning, replacement of consumables, and troubleshooting. Read it along with this manual. Referred to as "Operator's Guide" in this manual.

Manual	Description
N7100E Help (HTML)	Provides information about items on the windows, and descriptions and actions to take for the messages. Read it as needed.
Scanner Central Admin User's Guide (PDF)	Provides information about overview, introduction procedure, operation procedure, and maintenance procedure for Scanner Central Admin. Read it as needed.

Accessing the Manuals

- The manuals can be accessed by downloading them from the scanner.
- For more details on how to download the Operator's Guide, refer to "Chapter 5 Downloading the Manual" (page 17).
- When the [Help] button is available on the window or dialog box that is displayed during the operation, you can open Help by clicking it.



On the touch panel, is displayed as a Help button.

About This Manual

Arrow Symbols in This Manual

Right-arrow symbols (\rightarrow) are used to connect icons or menu options you should select in succession.

Example: Select the [Start] menu \rightarrow [Computer].

Screen Examples in This Manual

Microsoft product screenshots are reprinted with permission from Microsoft Corporation.

The actual windows and operations may differ depending on the operating system. If the actual screen differs from the screen examples in this manual, operate by following the actual displayed screen.

Abbreviations Used in This Manual

The following abbreviations are used in this manual:

Abbreviation Used	Name
Internet Explorer	Microsoft [®] Internet Explorer [®] Windows [®] Internet Explorer [®]
Adobe Reader	Adobe [®] Reader [®]
	Adobe [®] Acrobat [®] Reader [®] DC
Scanner	Image Scanner N7100E
Admin Tool	Network Scanner Admin Tool
Central Admin Console	Scanner Central Admin Console

Abbreviation Used	Name
Central Admin Server	Scanner Central Admin Server
User Editor	Network Scanner User Editor

Warning Indications Used in This Document

The following indications are used in this document to obviate any chance of accident or damage to you and/or this product.



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 the product.

\square	and attention is required. The drawing inside the triangle shows the specific caution.
\bigcirc	A CIRCLE with a diagonal line inside shows actions which users should not perform. It may also have a drawing inside which shows the specific action that is not allowed.
0	A white symbol on black background shows instructions which users should follow. It may also include the drawing that shows the specific instruction.

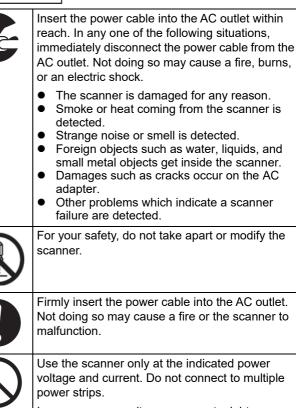
■ For Safe Use

This manual contains general information regarding safety that must be read before using this product (which includes the scanner and all associated software and manuals). For the safe use of this product, make sure to read the following descriptions.

Keep this manual in a safe place so that it can be easily referred to when using the scanner.

In the following warnings, "power cable" may refer to the AC cable connected to the AC adapter collectively.





Improper power voltage or current might cause a fire or electric shock.

\$	Use only the power cable (including the AC cable and the AC adapter) provided with the scanner. Do not use any extension cords. Doing so may cause abnormal heat or a fire. Do not use the power cable provided with the scanner for other devices, since this may cause problems such as an equipment failure, or an electric shock.
く	Do not place things such as chemicals, air fresheners, deodorizers, cosmetics, and detergents around the scanner and the AC

adapter. If they get on the plastic part of the scanner or the AC adapter, the part may be deteriorated or cracked, which may cause an electric shock. If this does happen, wipe them off immediately.

\bigcirc	 Do not place or use the scanner in locations which are subject to high temperature, humidity, poor ventilation, or dust. If placed in an area subject to high temperature, the cover may become overheated and deformed, resulting in an electric leakage or fire. Use the scanner in a well-ventilated environment. A place near heat-radiating devices such as stoves or electric heaters, or flammable items such as volatile inflammable materials or curtain. A place such as kitchen where oil smoke may be formed. A place such as a bathroom, shower room, or swimming pool where it may easily get wet. A place under direct sunlight, in a car under the scorching sun, or near heating apparatus where it may get hot. A place where heat can not get out, such as when you cover the scanner with clothes or a blanket.
	Before moving the scanner, be sure to disconnect all the interface cables. Make sure that the floor is free of any obstructions. Do not move the scanner with the power and
	interface cables connected as this can damage the cables, which can later cause a fire or electric shock. The cables can also hinder work, causing injuries.
\bigcirc	Do not touch the power cable with wet hands. Doing so may cause an electric shock. When disconnecting the power cable from the
)	AC outlet, make sure that you hold the power plug and not the cable. Pulling the cable may damage it, which may cause a fire or electric shock.
\bigcirc	Do not use the power cable if it is damaged. Also, do not insert any cables or power plugs into loose sockets. Doing so may cause a fire or electric shock.
	Be careful of the following when handling the power cable:
	 Do not moisten, modify, tie, bundle, or wind the cable. Do not place heavy objects on the cable, trap the cable in a doorway, drop or damage the cable in any other way. Do not pull or forcibly bend or twist the cable. Do not place any metal near to the plug of the power cable.
	To avoid injuries, be careful not to get your accessories (such as ties, necklaces) or hair caught inside the scanner.
\bigcirc	Do not touch the heated section such as the bottom of the scanner or AC adapter for a long time. Doing so may cause a low-temperature burn on your skin.
	When the scanner is not going to be used for a long period of time, be sure to disconnect the power cable from the AC outlet. Not doing so may cause a fire or electric shock.



When installing the scanner on a table, make sure that none of the scanner's parts extend over the table edge.

Also make sure that the work surface is flat and stable. Otherwise the scanner may fall over or be pulled off the table and cause injuries.

To avoid injuries, do not place the scanner in an area where small children may be able to reach.

If there is an electrical storm, turn off the scanner, and disconnect the power cable from the AC outlet. Then, disconnect any interface cables from the scanner. Not doing so may destroy the scanner, which may damage your property.

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

Do not place heavy objects on the scanner or perform other work on top of the scanner. Doing so might cause injuries or an equipment failure.

When handling documents or the Carrier Sheet, be careful not to cut your fingers with them.

Do not use any aerosol sprays or alcohol based sprays to clean the scanner. Dust blown up by strong air from the spray may enter the inside of the scanner. This may cause the scanner to fail or malfunction. Sparks, caused by static electricity, generated when blowing off dust and dirt from the outside of the scanner may cause a fire.

Check the following items once a month:

- The power cable is firmly inserted into the AC outlet.
- The power cable is not emitting abnormal heat, or the cable is not rusty or bent.
- Dust is not accumulated on the power cable (especially the plug). If so, wipe off any dust with a soft, dry cloth.
- The power cable does not have any cracks or scratches.

Precautions

READ ALL OF THIS DOCUMENT AND THE OPERATOR'S GUIDE CAREFULLY BEFORE USING THIS SCANNER. IF THIS SCANNER IS NOT USED CORRECTLY, UNEXPECTED INJURY MAY BE CAUSED TO USERS OR BYSTANDERS.

Also, keep this document in a safe place so that it can be easily referred to during use of this scanner.

While all efforts have been made to ensure the accuracy of all information in this document, PFU assumes no liability to any party for any damage caused by errors or omissions or by statements of any kind in this document, its updates or supplements, whether such errors are omissions or statements resulting from negligence, accidents, or any other cause.

PFU further assumes no liability arising from the application or use of any scanner or system described herein; nor any liability for incidental or consequential damages arising from the use of this document. PFU disclaims all warranties regarding the information contained herein, whether expressed, implied, or statutory.

Use of This Product

- Install the scanner away from strong magnetic fields and other sources of electronic noise. Protect the scanner against any static electricity and choose a static-free place to install the scanner. Static electricity can cause the scanner to malfunction.
- Do not supply the power from the AC outlet where the devices requiring much power such as copying machines or paper shredders are connected. Power-supply noise can cause the scanner to malfunction.
- Do not use the scanner immediately after moving it from a cold place into a warm room. Condensation may occur, which might lead to scanning errors. Let the scanner dry for one or two hours before you use it.
- When carrying the scanner outside while it is raining or snowing, pay special attention so the scanner does not get wet. Not doing so may lead to scanning errors. If the scanner gets wet, wipe it or wait until it dries.
- Do not use a damaged Carrier Sheet because it may damage or cause the scanner to malfunction.
- The ADF paper chute needs to be put all the way back to be used. Documents cannot be fed if it is folded.

LCD Peculiarities

Be aware that neither of the following is considered a fault.

- Despite the advanced technologies used to produce the devices 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

In order to retain data such as BIOS information, this product has a battery (CMOS RAM battery) on board.



- 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.

Disclaimer of Liability

Reproducibility of the Scanned Image Data

Confirm that the image data scanned with this product meets your requirements (for example, image reproducibility in size accuracy, fidelity, content, colors). Make sure that there are no missing parts in the scanned image data before disposing of the original document used for scanning.

• Note that when there are sections marked with a highlight pen, the color of the marked section may not be accurately reproduced depending on the color and density, or may result in a different color tone from the original.

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 document, 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 power cable must be 3 meters (10 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 à la norme NMB-003 du Canada.

Bescheinigung des Herstellers/ Importeurs

Für den Scanner wird folgendes bescheinigt:

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

Dieses Gerät wurde nicht für die Benutzung in unmittelbarer Umgebung starker Lichtquellen (z. B. Projektoren) konzipiert.

ENERGY STAR[®]

PFU Limited has determined that this product meets the ENERGY STAR[®] guidelines for energy efficiency. ENERGY STAR[®] is a registered trademark of the United States.



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.

■ Failure and Repair

If repairing the scanner or replacing parts is required, an abnormal change is detected, or other problems which indicate a scanner failure are detected, first, refer to "Appendix A Troubleshooting" (page 18) in this manual or "Troubleshooting" of the Operator's Guide to check that the scanner is correctly connected or configured. If the problem still persists, contact the distributor/dealer where you purchased this product.

The user must not perform repairs on the scanner. PFU assumes no liability for any damage caused by taking apart the scanner, as doing so is not covered under the warranty.

Chapter 1 Before Using the Scanner

1.1 From Arrival through Operation

The following shows the flow from scanner arrival through operation.

This manual provides information about Steps 1 to 5 shown below.

For information about Steps 6 to 9, refer to the manual downloaded in Step 5.

1	Check package
	⇔"1.2 Checking the Components" (page 9)
2	Setup scanner
	⇔"Chapter 2 Setting up the Scanner" (page 11)
3	Configure scanner basic settings
	⇔"Chapter 3 Configuring Scanner Basic Settings" (page 12)
4	Check network connection
	⇔"Chapter 4 Checking the Network Connection" (page 16)
5	Download manual
	⇔"Chapter 5 Downloading the Manual" (page 17)
6	Install Admin Tool
	⇔Refer to the Operator's Guide.
7	Perform scan test
-	⇔Refer to the Operator's Guide.
8	Configure required settings for scanner use
	⇔Refer to the Operator's Guide.
9	Operate scanner

⇒Refer to the Operator's Guide.

1.2 Checking the Components

Make sure that all items shown below are included in the package. If any other packaging is provided, make sure to store it as well. Make sure to handle the components with care.

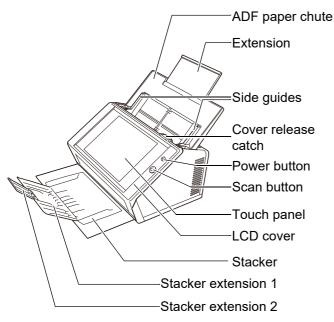
If anything is missing or damaged, contact the distributor/ dealer where you purchased this product.

	Scanner
	AC cable
	AC adapter
• O,	LAN cable (straight-through)
	Getting Started (this manual)
	Instruction
	EULA Terms for Microsoft [®] Windows [®] 10 IoT Enterprise 2019 LTSC
	End-User License Agreement for Image Scanner N7100E/ N7100EA Embedded Software

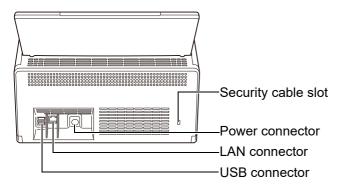
1.3 Part Names

This section explains names of the scanner parts.

Front view



Rear view



1.4 Signs on the Scanner

This section describes the signs on the scanner.

Front

ሳ	Turns the power of the scanner on/off. Note that this button is used to power off the scanner only in an emergency. For the usual way of powering off, refer to the Operator's Guide.
\Diamond	Starts scanning.

Rear

•	Used to connect a USB device.
	Used to connect a LAN connector.
	Used to connect a DC power supply.
Ŕ	Used to connect an anti-theft security cable.

Chapter 2 Setting up the Scanner

2.1 Removing the Protective Packaging

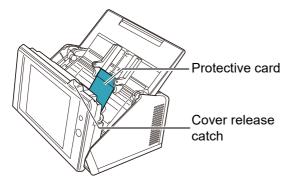
The scanner comes with a protective foam sheet and protective card attached. Follow the procedure described below to remove the protective packaging before using the scanner.

- **1.** Remove the tape and protective foam sheet that covers the touch panel.
- **2.** Remove the tape and protective foam sheet on the back of the ADF paper chute and put the paper chute all the way back.

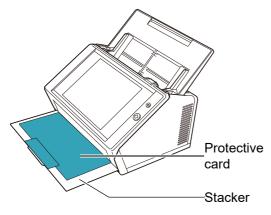


• Be careful not to get your hands or fingers caught when you put the paper chute all the way back.

- Do not forcefully fold the ADF paper chute beyond the limit. The scanner and the ADF paper chute may come apart, which may cause an injury or a scanner malfunction.
- **3.** Pull the cover release catch to open the LCD cover, and remove the tape and protective card between the side guides.



4. Pull the stacker forward, and then remove the tape and protective card.



2.2 Connecting the Scanner

1. Place the scanner at its installation site.



Do not hold the ADF paper chute to lift up the scanner. The scanner and the ADF paper chute may come apart, which may cause an injury or a scanner malfunction.

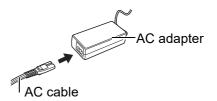
ATTENTION

The following space is required to set up the scanner:

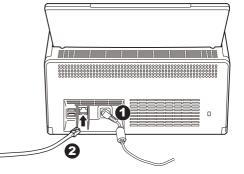
- Depth: 700 mm (28 in.) •
- Width: 400 mm (16 in.)
- Height: 500 mm (20 in.)
- **2.** Connect the AC cable to the AC adapter (collectively called "power cable").

ATTENTION

Use only the AC adapter and AC cable provided with the scanner.



- **3.** Connect the cables to the scanner.
 - **1** Connect the power cable to the scanner's power connector.
 - 2 Connect the LAN cable to the LAN connector.



- **4.** Connect the other end of the LAN cable to the network hub.
- **5** Insert the power cable into an AC outlet.
 - ⇒ The power is connected but the scanner is not yet ready for operation.

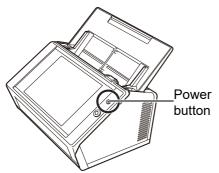
Chapter 3 Configuring Scanner Basic Settings



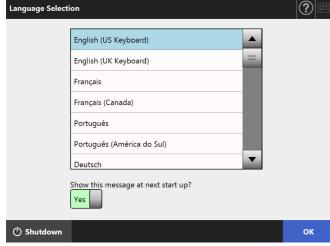
Do not move or shake the scanner when it is turned on. This may damage components in the scanner and cause data to be lost.

When the power button is pressed for the first time after purchase, the window for scanner basic settings appears automatically. The basic settings for using the scanner can be configured with this process.

1. Press the power button on the scanner.



- ⇒ The [Installation Wizard] window appears.
- **2.** Select a language, and press the [OK] button. The default language is "English (US Keyboard)".



⇒ The confirmation window appears for a scanner restart.

3. Select the items to be specified in the scanner basic settings.

Select the target items to be configured on the [Installation Wizard] window, and press the [Start] button.

Lightly touch the button for the target item.

This section shows an example with all items selected.

ATTENTION

Do not use a pen or other hard object on the touch panel. The touch panel may be damaged.

HINT

For details about setting items, press which to refer to Help.

Installation Wizard		?
Welcome to the Installation Wizard. Select items to be set from below.		
Scanner Name	Region / Timezone	
✓ Login Settings	🖌 Admin Password	
IP Address	DNS Server	
Scanner Central Admin Server		
Cancel		Start

4. Set the scanner name.

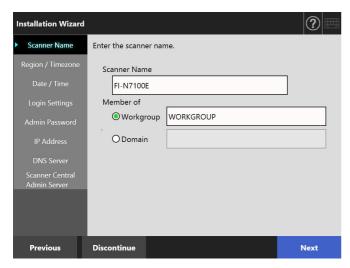
On the [Scanner Name] window, specify the scanner name and workgroup or domain for joining the network, and press the [Next] button.

HINT

• Simply touch an input field to show the on-screen

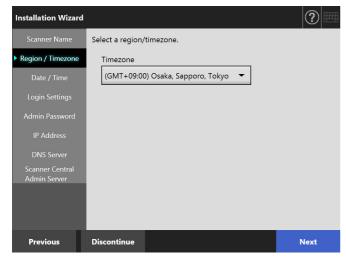
keyboard. After entering characters, press to hide the on-screen keyboard.

• For the on-screen keyboard layout, refer to the Operator's Guide.



5. Set the region/timezone.

On the [Region / Timezone] window, select the region/timezone and whether to apply daylight saving time, and press the [Next] button.



6. Set the date and time.

On the [Date / Time] window, specify the date format and the current date and time, and press the [Next] button.

Installation Wizard		?
Scanner Name	Select a date format and set the date/time.	
Region / Timezone	Date Format	
Date / Time	MMddyyyy 👻	
Login Settings	Date/Time	
Admin Password	01 / 26 / 11 : 47 : 07 Get Time	
IP Address		
DNS Server		
Scanner Central Admin Server		
Previous	Discontinue	Next

7. Specify the login settings.

On the [Login Settings] window, specify the settings for login, and press the [Next] button.

Installation Wizard			?
Scanner Name Region / Timezone Date / Time Login Settings	Enter the user login settings. Authentication Mode LDAP to Local		
Admin Password IP Address DNS Server Scanner Central Admin Server	User Name Password		
Admin Server	Guest Account		
Previous	Discontinue	Details	Next

8. Change the admin password.

On the [Admin Password] window, specify the administrator password, and press the [Next] button. The default value for the [Current Password] is "password".

Installation Wizard		?
Scanner Name	Change the administrator password.	
Region / Timezone	Current Password	
Date / Time		
Login Settings	New Password	
Admin Password	Confirm New Password	
IP Address		
DNS Server		
Scanner Central Admin Server	If the password is lost you will not be able to login. Keep a record of the new password in a safe locatio	n.
Previous	Discontinue	Next

9. Set the scanner's IP address.

On the [IP Address] window, set the scanner's IP address, and press the [Next] button.

Installation Wizard		?≡
Scanner Name	Enter IP addresses.	
Region / Timezone	DHCP	
Date / Time	On 🔻	
Login Settings	IP Address	
Admin Password		
IP Address	Subnet Mask	
DNS Server	Default Gateway	
Scanner Central Admin Server		
Previous	Discontinue	Next

ATTENTION

When DHCP is not used, do not use an IP address that already exists in the network.

If you try to set an IP address that already exists, an error occurs.

10.Set the DNS server.

On the [DNS Server] window, set the IP address for the DNS server, and press the [Next] button.

Installation Wizard						?
Scanner Name	Enter the DNS ser	ver settings.				
Region / Timezone	Primary DNS		0.	0.	0.	0
Date / Time	Secondary DN	15	0.	0.	0.	0
Login Settings	DNS Dynamic	: Update				
Admin Password	Off					
IP Address DNS Server	DNS Suffix					
Scanner Central Admin Server	FQDN F	I-N7100E	um ge			
Previous	Discontinue				l	Vext

HINT

If the scanner is not connected to the network, the FQDN may not be displayed correctly.

11.Set the Central Admin Server.

On the [Scanner Central Admin Server] window, set whether to enable the Central Admin Server and the Central Admin Server settings, and press the [Finish] button.

Ir	stallation Wizard			?
	Scanner Name	Enter the Scanner Central A	dmin Server settings.	
	Region / Timezone	Central Admin O	ff	
	Date / Time			
	Login Settings	Address		
	Admin Password	Port Number 20444		
	IP Address	Roaming Mode	Job Mode	
	DNS Server	Off	Off	
	Scanner Central	Scanner Central Admin S	erver Registration Status : I	Jnregistered
	Admin Server	Update Scheduler		Off
		Scheduled Date/Time MM/dd/yyyy hh:mm	/ /	:
	Previous	Discontinue	Details	Finish

12.Confirm the configured settings.

On the settings confirmation window of the installation wizard, confirm the configured basic settings, and press the [OK] button.

Address (DHCP : On) ubnet Mask efault Gateway firmary DNS efault Gateway efault Gateway firmary DNS efforts of the first firmary firma	anner Name	FI-N7100E	
ubnet Mask efault Gateway minary DNS efault Gateway	uto Login	Off	
ubnet Mask efault Gateway frimary DNS	Address (DHCP : On)	10.214 101.227	
rimary DNS	ubnet Mask	255.255.255.0	
	efault Gateway	10.234 105.1	
	rimary DNS	10.234.77.20	
entral Admin Off	entral Admin	Off	

Return

➡ The installation wizard finishes and the login window appears.

ок

			•••								
Login										C	?
	User Name Password C Shutdown Esc q W e r → a s d r C / z x c										
		Passwo	ord								
(¹) Shu	utdown									f	Login
Esc	q	w	e	r	t	У	u	i	o	р	$\langle X \rangle$
	а	s	d	f	g	h	j	k	T	E	nter
公	/	z	x	с	v	b	n	m	,		;
&123	Ctrl	Alt	١	@				+	1	ł	→

HINT

- When the scanner name or domain name has been changed, the scanner is restarted.
- If you select [No] for [Show the Installation Wizard at next startup?], the [Installation Wizard] window does not appear immediately after the next scanner startup.

This concludes the scanner basic settings procedure.

HINT

The scanner basic settings can be changed by the following methods:

• Changing the settings on the [Installation Wizard] window To display the [Installation Wizard] window, press the

[Installation Wizard] button in the [Admin Menu] window on the administrator window.

• Changing the settings from the menu on the administrator window

For details about how to show the administrator window, refer to "Chapter 4 Checking the Network Connection" (page 16).

Chapter 4 Checking the Network Connection

This section describes how to check the status of the network connection.

The network connection can be checked by using [Ping] on the administrator window.

1. Log in to the scanner with the user name and password of the administrator.

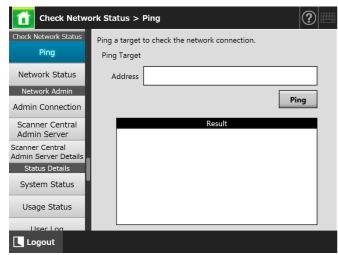
Enter "admin" for [User Name] and the password specified in the basic settings for [Password]. The default password is "password".

Login										C	?
			_								
	1	User Na	me adr	nin							
		Passwo	ord 🐽	•••••							
(¹) Shu	utdown									Ĥ	Login
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公	/	z	x	с	v	b	n	m	,		;
&123	Ctrl	Alt	١	@		-	-	t	1	ł	→

⇒ The administrator window appears.

2. Select [Ping] under [Check Network Status] in the menu, and check the status of the network connection on the [Ping] window.

For [Address], enter the IP address, host name, or FQDN of the computer to be checked.



3. Press the [Ping] button.

 A ping test is performed and the results are displayed.
 For details about the results, refer to "Checking Basic Network Operation with a Ping Test" (page 18).

4. Press the [Logout] button to log out of the scanner.

Chapter 5 Downloading the Manual

For this scanner, the Operator's Guide (PDF), which contains information about scanner settings, administration, and operations, is provided in addition with this manual. Read it when using the scanner. Use Adobe Reader to view the Operator's Guide. Adobe Reader can be downloaded from the following site. https://www.adobe.com/

This section describes how to download the manual.

 Specify the scanner name or IP address as the URL using Internet Explorer 10 or later(*) of the computer to which the manual is to be downloaded.

http://scanner_name or IP_address/ ⇔The Login window appears.

*: Apply the latest security updates. If they are not applied, you may not be able to download certain manuals.

If download operations are not possible, clear the [Do not save encrypted pages to disk] check box on [Advanced] of [Internet Options] in Internet Explorer, and then try downloading again. Configure [Compatibility View settings] so that the specified URL is displayed in compatibility view.

2. Click the [Operator's Guide] button.

		Operator's Guid	de
User Name			
Password			

⇒ From here, follow the instructions on the window to download the manual.

ATTENTION

If Adobe Reader is not installed, and the [Open] button is pressed, a connection error may occur. In this case, install Adobe Reader, and then try again.

Appendix A Troubleshooting

A.1 Network Connection Troubleshooting

Checking Basic Network Operation with a Ping Test

The network connection may be checked by performing a ping test. For more details on how to perform a ping test, refer to "Chapter 4 Checking the Network Connection" (page 16).

Take actions according to the ping results as described below.

The four lines below are shown as a response from the ping test. Reply from (destination IP address): bytes=32 time<(time)ms TTL=(TTL value)

Display example

Reply from XXX.XXX.XXX.XXX: bytes=32 time<1ms TTL=128

Details

The response from the ping destination address is normal.

[Ping statistics] shows "Lost=4 (100% loss)"

Details

- Communication with the device that is specified as the ping target is unavailable.
- There may be problems in the hardware transmission path. For example, the LAN cable may have become disconnected during the ping test.

Action

 The setting of the ping target may be invalid. Check that the ping target IP address, host name, or FQDN is correct.

If an IP address that does not exist in the same segment is specified, the value is shown as "Lost=0 (0% loss)". If an IP address that does not exist in a different segment is specified, the value is shown as "Lost=4 (100% loss)".

- The network transmission mode may differ from the connection target. On the [Network Advanced Settings] window, change [Link Speed/Duplex Mode] from [Auto-Negotiation] to a fixed mode. This can be changed as follows:
 - 1. Select [Network Advanced Settings] under [Network Settings].
 - ⇒The [Network Advanced Settings] window appears.
 - Select a fixed link speed/duplex mode for [Link Speed/Duplex Mode].
 - 3. Press the [OK] button.
- If there are no problems with the ping target setting and the network transmission mode, refer to "Failure to Connect to a Server Using Its IP Address" (page 19) for further solutions.
- Check the connection status of the LAN cable or replace the LAN cable and try again.
- When connected to a HUB, change the port to which the LAN cable is connected and try again.

[Ping statistics] shows "Lost=*N* (1 to 99% loss)"

Details

- Communication with the device specified as the ping target is unstable.
- There may be problems in the hardware transmission path. For example, the LAN cable may have become disconnected during the ping test.

Action

- Check the connection status of the LAN cable or replace the LAN cable and try again.
- When connected to a HUB, change the port to which the LAN cable is connected and try again.
- The network transmission mode may differ from the connection target. On the [Network Advanced Settings] window, change [Link Speed/Duplex Mode] from [Auto-Negotiation] to a fixed mode. This can be changed as follows:
 - 1. Select [Network Advanced Settings] under [Network Settings].
 - ⇒The [Network Advanced Settings] window appears.
 - 2. Select a fixed link speed/duplex mode for [Link Speed/Duplex Mode].
 - 3. Press the [OK] button.

"Ping request could not find host xxxxxxxx. Please check the name and try again."

Details

The name-resolution or address-resolution for the device specified as the ping target may have failed.

Action

- Check that the ping target host name or FQDN is correct.
- Check that the DNS server or WINS server settings are correct.
- If the ping target host name or FQDN is correct, refer to "Failure to Connect to a Server Using Its Host Name or FQDN" (page 20) for further solutions.

Failure to Connect to a Server Using Its IP Address

If a server cannot be connected to by using its IP address, or if a scanner does not respond to a ping test by specifying its IP address, try the following:

Connection error between the server and scanner. Or there is a problem with the LAN cable.

Action

Check that the LAN cable is connected to both the scanner and server correctly.

If the server is connected using a LAN cable (straight type), in case Auto MDI/MDI-X (automatic selection) is not supported, a LAN cable (crossover type), switch, or router is required between the scanner and server. If this is not the case, the LAN cable may be faulty. Use a LAN cable that functions normally and try again.

The settings that you have specified on the [IP Address] window are invalid.

Action

On the [IP Address] window, check that the settings that you have specified, such as the IP address and the subnet mask, are correct.

- The [IP Address] window can be displayed as follows:
- 1. Select [IP Address] under [Network Settings].

When using DHCP, the DHCP server does not operate normally. Or there is a problem with the DHCP server settings.

Action

If using DHCP, on the [Network Status] window, 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.

The [Network Status] window can be displayed as follows:

1. Select [Network Status] under [Check Network Status].

Another host or communication device is connected using the same IP address as the scanner.

Action

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 server may not recognize the scanner's "duplicate" IP address until it is rebooted. Restart the server. If a duplicate IP address connection from another host or

communication device exists on a LAN, communication is unavailable.

If a duplicate IP address connection from another host or communication device exists, pull out its LAN cable and restart the server.

Access is denied due to the establishment of a firewall between the server and the scanner.

Action

If a firewall is established between the server and the scanner, check that it is not set to deny access to the network.

The network [Link Speed/Duplex Mode] for the scanner and server are different, or "Auto-Negotiation" is not supported by the server.

Action

The network [Link Speed/Duplex Mode] for the scanner is set to the default setting [Auto-Negotiation]. If the problem persists with [Auto-Negotiation], set both the scanner and server's network link speed/duplex mode to a fixed mode and check again.

On the [Network Advanced Settings] window, change [Link speed/Duplex Mode] from [Auto-Negotiation] to a fixed mode. This can be changed as follows:

1. Select [Network Advanced Settings] under [Network Settings].

 $\Rightarrow \mbox{The [Network Advanced Settings] window appears.}$

- Select a fixed link speed/duplex mode for [Link Speed/ Duplex Mode].
- 3. Press the [OK] button.

Failure to Connect to a Server Using Its Host Name or FQDN

If the scanner cannot connect to a server by specifying its host name or FQDN, or if a server does not respond to a ping test by specifying its host name or FQDN, try the following:

Same as in "Failure to Connect to a Server Using Its IP Address" (page 19).

Action

Check if a network connection is possible by trying the same solution for "Failure to Connect to a Server Using Its IP Address" (page 19).

The scanner's DNS server or WINS server settings are invalid.

Action

Check that the DNS and WINS server settings are correct.

The DNS or WINS server does not operate normally. Or an error occurred on the network path to the DNS or WINS server.

Action

Ping the DNS or WINS server to check that they are functioning normally.

If the DNS or WINS server is not functioning, request the network administrator to check its status.

Failure to Access the Scanner Using Internet Explorer, the Admin Tool, the Central Admin Server, or User Editor

If access is not possible when attempting to connect to the scanner using Internet Explorer, the Admin Tool, the Central Admin Server, or User Editor, try the following:

Same as in "Failure to Connect to a Server Using Its IP Address" (page 19).

Action

Check if a network connection is possible by trying the same solution for "Failure to Connect to a Server Using Its IP Address" (page 19).

The DNS or WINS server does not operate normally. Or the scanner name is not registered in the DNS or WINS server.

Action

Specify the IP address and check the connection. If it is possible to connect the scanner using the Admin Tool with a specified IP address, specify the scanner's IP address in the DNS or WINS server. In the scanner administrator settings, check whether the DNS or WINS server settings are correct.

A misconfigured firewall between the scanner and the computer with Internet Explorer, the Admin Tool, or User Editor installed is denying the computer access to the scanner via HTTP/HTTPS protocols.

Action

If there is a firewall between the scanner and the computer installed with Internet Explorer, the Admin Tool, or User Editor, check that the firewall is not set to deny access to the network.

The URL of the target scanner is not registered as a trusted site.

Action

Set the scanner URL as a trusted site for Internet Explorer.

- In Internet Explorer, select the [Tools] menu → [Internet Options].
- 2. On the [Security] tab, select [Trusted sites] and click the [Sites] button.
- 3. Enter the URL of the scanner in the [Add this website to the zone] field, and click the [Add] button.

In Internet Explorer, the security level for the target zone is set to [High] on the [Security] tab in the [Tools] menu -[Internet Options].

In [Custom Level], [Prompt] or [Disable] is set for [Active scripting] under [Scripting] in the [Settings] area.

Action

When connecting using the scanner name, the connection will be an intranet connection. When connecting using an IP address, it will be an internet connection.

Try the following settings for the corresponding zone.

- In Internet Explorer, select the [Tools] menu → [Internet Options].
- 2. Enable [Active scripting] in either of the following ways:
 - On the [Security] tab, click the [Default level] button to set [Security level for this zone] to [Medium].
 - On the [Security] tab, click the [Custom level] button to set to [Enable] for [Active scripting] under [Scripting] in the [Settings] area.
- 3. If connecting via the Internet zone, on the [Privacy] tab, set the level to [Medium High] or below.
- 4. Delete all temporary internet files. For details, refer to Help for Internet Explorer.

The scanner is in standby mode.

Action

Press the power button to start the scanner.

A proxy server is being used.

Action

Set the proxy server not to be used.

- In Internet Explorer, select the [Tools] menu → [Internet Options].
- 2. Press the [LAN settings] button on the [Connections] tab.
- Clear the [Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections)] check box.

There is an error with the connection protocol setting.

Action (Scanner)

Check if SSL is enabled on the [Admin Connection] window.

The [Admin Connection] window can be displayed as follows:

1. Select [Admin Connection] under [Network Admin].

Action (Computer with Internet Explorer, the Admin Tool, or the User Editor installed)

- In Internet Explorer, select the [Tools] menu → [Internet Options].
- 2. Press the [Advanced] tab.
- Under [Security] in the [Settings] section, select the check boxes for the following items. The check boxes to be selected should be the same as the check boxes that are selected in the settings on the scanner (check boxes for [SSL Encryption] in the [Admin Connection] window).
 - Use SSL 3.0
 - Use TLS 1.0
 - Use TLS 1.1
 - Use TLS 1.2

There is an error with the port number setting.

Action

Check the specified port number on the [Admin Connection] window.

The [Admin Connection] window can be displayed as follows:

1. Select [Admin Connection] under [Network Admin].

A.2 Power Troubleshooting

Scanner cannot be turned on.

- Check item Has the power button been pressed?
- Action

Press the power button.

Check item

Are the AC cable and AC adapter properly connected to the scanner?

Action

- Connect the AC cable and the AC adapter properly.
- Disconnect the AC cable from the scanner to turn off the scanner, and connect the AC cable again. After turning the power off, wait for at least 10 seconds before turning the power back on again.
 If the problem persists even after taking the above mentioned actions, contact the distributor/dealer where you purchased this product.

A.3 Login Troubleshooting

Cannot login with administrator password.

Check item

Was the Caps Lock on when the password was entered?

Action

Turn off the Caps Lock and try logging in again.

Check item Has the password been changed?

Action

The default password is "password".

After the password is changed, if the new password is lost or forgotten, login is not possible.

If this happens, the same action that is taken when repairing the scanner is needed.

Contact the distributor/dealer where you purchased this product.

A.4 Contact for Inquiries

If a solution to your problem cannot be found in the above troubleshooting list, refer to the following web page:

https://www.pfu.ricoh.com/global/scanners/fi/support/ index.html

If the solution to your problem cannot be found on the above web page, refer to the contact information for your distributor/dealer on the following web page: https://www.pfu.ricoh.com/global/scanners/inquiry.html

Contact for Purchasing the Consumable, Cleaning Materials

https://www.pfu.ricoh.com/r/ctl/



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WinPcap

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WinDump

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Secure iNetSuite

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Libtiff 3.4-3.9.4

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Zlib

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ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.12 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

All functions of the compression library are documented in the file zlib.h (volunteer to write man pages welcome, contact zlib@gzip.org). A usage example of the library is given in the file test/example.c which also tests that the library is working correctly. Another example is given in the file test/minigzip.c. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of Makefile.in. In short "./configure; make test", and if that goes well, "make install" should work for most flavors of Unix. For Windows, use one of the special makefiles in win32/ or contrib/vstudio/. For VMS, use make_vms.com.

Questions about zlib should be sent to <zlib@gzip.org>, or to Gilles Vollant <info@winimage.com> for the Windows DLL version. The zlib home page is http://zlib.net/. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib_faq.html before asking for help.

Mark Nelson <markn@ieee.org> wrote an article about zlib for the Jan. 1997 issue of Dr. Dobb's Journal; a copy of the article is available at http://marknelson.us/1997/01/01/zlib-engine/ .

The changes made in version 1.2.12 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/ .

zlib is available in Java using the java.util.zip package, documented at http://java.sun.com/developer/technicalArticles/Programming/compression/ .

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including http:// search.cpan.org/~pmqs/IO-Compress-Zlib/.

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see http://docs.python.org/library/zlib.html .

zlib is built into tcl: http://wiki.tcl.tk/4610 .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib. Notes for some targets:

- Notes for some targets:
 For Windows DLL versions, please see win32/DLL_FAQ.txt
 For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
 zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
 On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
 zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
 gzdopen is not supported on RISCOS or BEOS.
 For PalmOs, see http://palmzlib.sourceforge.net/

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Jean-loup Gailly Mark Adler

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