

Read this manual carefully before you use this product and keep it handy for future reference. For safe and correct use, please be sure to read "Safety Information" before using the Remote Communication Gate A (RC Gate). An administrator means an RC Gate administrator, unless otherwise specified in this Manual.

Symbols Used in This Manual

The following set of symbols is used in this manual.

⚠ WARNING

Indicates a potentially hazardous situation that might result in death or serious injury when you misuse the equipment without following the instructions under this symbol.

⚠ CAUTION

Indicates a potentially hazardous situation that might result in minor or moderate injury or property damage that does not involve personal injury when you misuse the equipment without following the instructions under this symbol.

★ Important

Indicates a situation that may result in malfunction if instructions are not followed. Be sure to read the instructions.

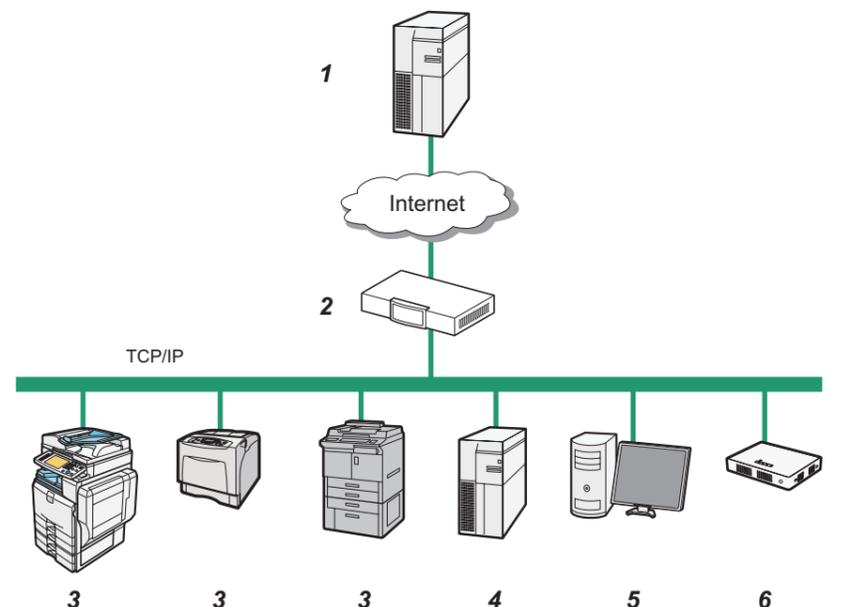
↓ Note

Indicates supplementary relevant information.

[]

Indicates the names of keys that appear on the computer screen.

Outline of the System



1. RS Center System

Information sent for various services will be aggregated to this server.

2. Proxy Server and/or Firewalls

You are able to use your proxy server and firewalls with this equipment. When using proxy server, Basic authentication, Digest authentication, and Windows authentication (only NTLMv2 authentication available) can be used with this equipment.

3. Device

A printer and multifunction machine can be managed by this equipment. This equipment can manage a maximum of 100 devices.

4. Mail Server (SMTP Server)

This machine is equipped with the server to use e-mail notification.

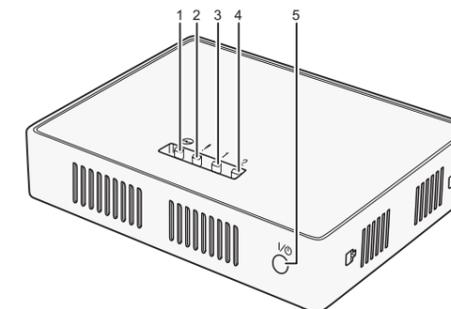
5. Computer for Administration

You can manage this equipment by accessing the RC Gate Monitor via web browser.

6. This Equipment (RC Gate)

Intermediates the managed devices and the RS Center System. Sends the device information to the RS Center System, and receives software to update the devices from the RS Center System.

Guide to the RC Gate Front



1. Power LED (Blue)

2. Alert LED (Red)

3. Status 1 LED (Yellow)

4. Status 2 LED (Yellow)

Indicates different patterns depending on the status of the RC Gate. For details, see the table below.

5. Power button

Press the button to turn on the power or switch to standby mode.

The power is switched on when the power cable is plugged into the receptacle even without pressing the power button.

Also by holding down the power button for 4 seconds, the system shuts down and switches to the standby mode.

LED Pattern	Status	LED Pattern	Status
	Power Off		IEEE802.1X authentication server error
	The operating system is starting up.		The RS Center System service has been suspended because of multiple communication errors.
	An application is starting up.		Recovering from an error.
	Registration to the RS Center System has not been completed.		Updating the system firmware.
	Registration to the RS Center System has been completed and communication is established.		System error persists even after restarting the device for the specified number of times.
	Communication error has occurred.		Restarting
	The cable is disconnected or broken.		Shutting down
	The IP address has not been assigned.		

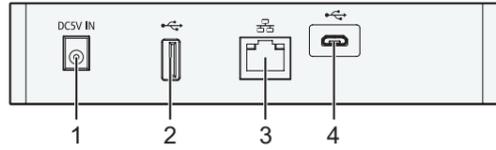
* ◀ ▶ Flashing at intervals of 1 second

* ▲ ▴ Flashing at intervals of 0.2 second





Back



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★ Important

- Do not touch the outer screws (two outer screws shown) that are for customer engineer's operation.

1. Power Socket

This socket is used to connect the power cord.

2. USB 2.0 interface

You cannot use this port.

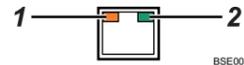
3. LAN Port

The network (Ethernet) interface port to connect the RC Gate to the network. As the default, this setting is blank. Specify the IP address at the initial setting.

4. USB 2.0 interface (Maintenance port)

This is a port for connecting the micro-USB cable. This port is used when a customer engineer performs maintenance, or when the designated administrator connects a PC to perform initial settings and registration of the RC Gate.

LAN Port Indicator



BSE0045

1. Orange

Indicates that the RC Gate is connected to the network.

2. Green

Indicates that the RC Gate is transmitting data.

About the RC Gate Monitor

The RC Gate Monitor is the software used to register, monitor, and make settings of the RC Gate. The software is pre-installed in the RC Gate.

Access the RC Gate Monitor in this equipment from web browser in the computer. The computer and this equipment must be on the network.

The explanations in this manual use screen images from Windows 7, and Internet Explorer 11.0. If you use different OS, screen images may differ. However, you can perform the same steps.

❖ Applicable OS

Use operating systems which support the recommended web browsers below.

❖ Recommended Web Browser

- Microsoft Internet Explorer 8.0 or later
- Mozilla Firefox 28.0 or later

About Users of the RC Gate Monitor

★ Important

- Never use the default password. You can change the minimum number of characters used for the password. (The default password contains 8 characters.) Specify a new password using up to 128 characters (ASCII character).
- You can use the following ASCII characters for password: (Space)"(double quotations)! % &'(/)+, - . :\$; <=>?[\^_`{|} ~0 1 2 3 4 5 6 7 8 9 # a b c d e f g h i j k l m n o p q r s t u v w x y z @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z *
- If the error message "Failed to change the entry information." appears, check that the current password is entered correctly, the password uses supported characters only, or the number of characters does not surpass the limit, and then retry the entry.
- Change the passwords at intervals of 6 months or less.
- Avoid using well known words or phrases, or repeated characters that can easily be guessed.
- Do not leave passwords written where they can be seen.
- New passwords become valid at next login.
- After changing the password, be sure to remember it. If you forget it, you need to contact the service representative to configure the machine's settings again.

❖ Administrator

The administrator can change the RC Gate settings, provide access permission to the customer engineer.

The administrator has all of the administrative privileges (device administrator, user administrator, file administrator, and network administrator) of the subject device.

For the default password, see "Default Password", Safety Information.

1 Checking the Setup Environment and Power Connection

⚠ WARNING

- The wall outlet shall be installed near the machine and shall be easily accessible.

⚠ CAUTION

- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.
- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.

★ Important

- When the RC Gate is moved from a cold to warm location, or vice versa, internal dew condensation can occur. In this case, leave the RC Gate in the new environment for at least one hour.
- Keep the RC Gate's power on during normal operation.
- Do not locate the RC Gate where it is exposed to:
 - Direct sunlight
 - Air conditioner, heater, or humidifier emission
 - Electronic/magnetic interference from radios, televisions, or other electrical equipment
 - Areas excessively cold, hot, or humid
 - Areas directly exposed to currents of hot, cold, room-temperature air, or radiant heat from air conditioners or heaters
- The person responsible for operation of the office should select an administrator who will administrate the RC Gate properly. Failure to properly operate the RC Gate can result in security problems. The RC Gate administrator should read the Operating Instructions, "Safety Information" and "Setup Guide" carefully. The RC Gate administrator is responsible for management and operation of the RC Gate. The RC Gate administrator should locate the RC Gate in a secure location so that it will not be taken outside of the office or damaged.

Setup Guide

- The person responsible for operating the office should designate a network administrator for administrating the office's network if such a person is not in.

The network administrator should thoroughly inform all users of the office network never to cause network abuse, such as data falsification, with regards to the internal network and all related computers.

The network administrator should connect the RC Gate and devices to a responsibly administrated network that is protected by a firewall or a similar Internet security facility. The office network should be managed so that devices cannot be connected to the network without the network administrator's approval.

- The person responsible for operating the office should designate a machine administrator for administrating the office's devices if such a person is not in.

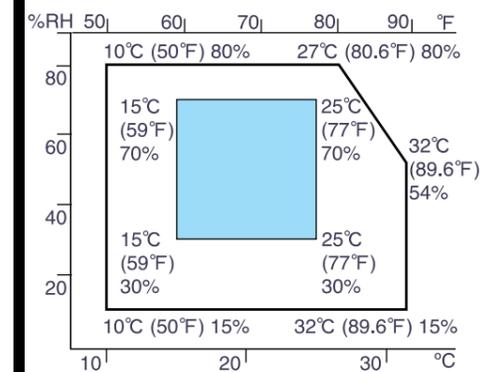
The machine administrator should confirm that devices supported by the RC Gate are genuine; they must not be modified.

1 Check the setup environment.

Place the RC Gate on a level and vibration free surface.

Install the machine vertically or horizontally, so that the machine's vent is not blocked.

Place the RC Gate in the recommended temperature and humidity shown below:



BSP0235

Next Sheet



2 Check the power source for the RC Gate.

For Users in Countries Outside of North America:
220-240 V, 50/60 Hz, 2.5 A or more

For users in Norway, this product is also designed for an IT power distribution system with phase-to-phase voltage of 230V.

Note

- Voltage must not fluctuate by more than 10 %.

2 Checking the Contents

Important

- Before unpacking, check that the unpacking detection seal is not broken (the product has not been unpacked). If the seal is broken, do not use the product and contact your service representative.

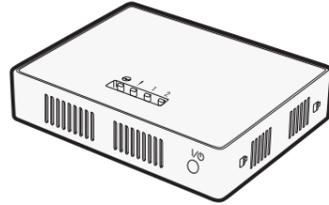
1 Check the contents in the box according to the following list. If there is any item missing or damaged, please contact your service representative.

- RC Gate (*)
- Stand
- Safety Information/Setup Guide (This manual)
- AC Adapter
- Power Cord
- Network Cable

* The RC Gate has a "CODE" that begins with D3AR. Check the "CODE" on the rated nameplate on the back of the RC Gate.

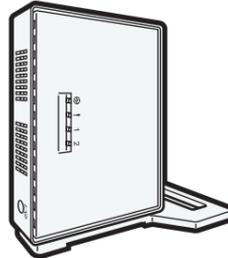
3 Installing the RC Gate

- Placing the RC Gate horizontally. Place the RC Gate on a flat surface so that the LEDs face upward.



DJH102

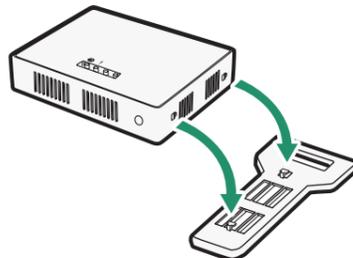
- Placing the RC Gate vertically. Use a stand for placing the RC Gate stably.



DJH105

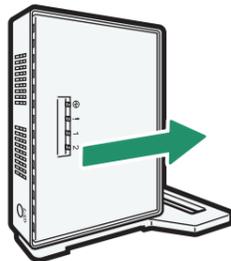
The procedure is as follows:

1 Insert the stand's tabs into the holes on the RC Gate.



DJH103

2 Slide the RC Gate till it stops.



DJH104

4 Connecting the Power Cord

WARNING

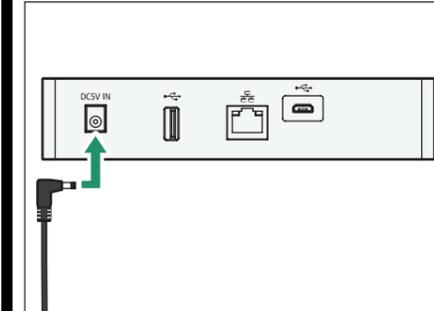
- The supplied power cord is for use with this equipment only. Do not use with other appliances. Doing so may result in fire, electric shock, or injury.
- Use the AC adapter supplied with the equipment. Otherwise, a fire, an electric shock, a equipment failure might occur.
- Connect this machine only to a power source that matches the specifications shown in "Safety Information" and do not use an extension cord.
- Use of this machine with extension cords and power sources other than those that match the specifications shown constitutes an electric shock and fire hazard.
- Power cords that are damaged, broken, modified, trapped under heavy objects, pulled hard, or bent severely are electric shock and fire hazards.
- Touching the prongs of the power cord's plug with anything metallic constitutes a fire and electric shock hazard.
- It is dangerous to handle the plug with wet hands. Doing this may result in receiving an electric shock.

CAUTION

- When you disconnect the power plug from the wall outlet, always pull the plug (not the cord).
- Be sure to disconnect the plug from the wall outlet and clean the prongs and the area around the prongs at least once a year. Allowing dust to build up on the plug constitutes a fire hazard.

1 Connect the AC adapter to the power cord.

2 Connect the AC adapter securely to the power socket of the RC Gate as shown below.



DJG002

3 Plug the power cord into the wall outlet.

Turn the machine on. The blue LED lights up when the RC Gate starts normally.

Note

- By holding down the power button for 4 seconds, the system shuts down and switches to the standby mode.

5 The RC Gate Initial Settings

You can configure the initial settings for the RC Gate.

To change the IP address (LAN port), connect a computer to the RC Gate via the USB2.0 port (maintenance port). Configure the IP address of the LAN port.

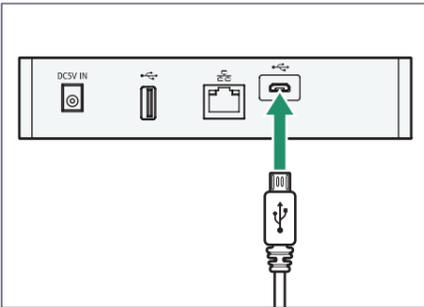
Important

- Depending on the OS of your computer, login as a member of the administrators group is required.
- If the subnet is 192.168.0.xxx but the IP address 192.168.10.153 is unavailable for the USB2.0 port of the RC Gate, please contact your service representative.
- Do not use the factory default password as it is, and never fail to change it.
- If you fail to log in to the RC Gate monitor at least 3 times in 5 minutes, you will have to wait an additional 1 minute before you can try to log in again.
- Some failure in operation or in displaying might occur in the following cases:
 - You use web browsers lower than the recommended version.
 - JavaScript is not set to valid.
 - Cookie is not set to valid.
 - You set to show cache in the web browser.
- Page layout may be out of shape depending on the font size settings. We recommend to set it to "Medium" or smaller.
- Some letter deterioration may occur if you use languages that do not correspond to web browser.
- For details about the default password, see "About Users of the RC Gate Monitor".

1 Connect one end of the micro-USB cable to the device's USB 2.0 port and connect the other end to the computer.

★ Important

- The micro-USB cable is not supplied. Obtain a cable with a micro-B connector for use.



DJG004

2 Open the web browser of your computer.

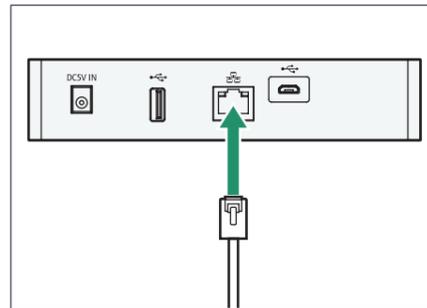
3 Enter "http://192.168.10.153:8080/index.html" in "Address".

4 Indicates the login monitor of the RC Gate. Enter the "admin" in [User Name] and the password, check that [Language] is set to the language of your region, and then click [Login].



- User Name
You cannot change the user name.
- Password
For details about the factory-set password, see "About Users of the RC Gate Monitor".

5 Connect the network cable to the LAN port of the RC Gate.

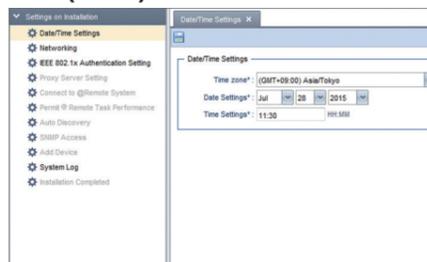


DJG003

Connect this equipment and the network by the supplied network cable. You can use 10BASE-T, Category 100BASE-TX or Category 1000BASE-T network cable instead of the supplied cable. When connecting to the network via the 100BASE-TX or 1000BASE-T network cable, use a Category 5 cable.

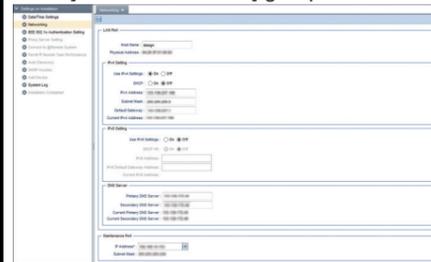
6 Connect the other end of the cable to network devices, such as a hub.

7 When the installation setting menu appears, in [Date/Time Settings], set [Time zone] according to your region. Check that the date and time are specified correctly, and then click [Save].



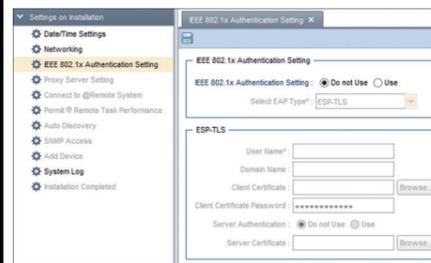
8 In [Networking], specify settings for the [LAN Port] group.

When using DHCP, select [On]. When not using DHCP, enter the items in the [DNS Server] group. Enter an IPv4 address with numbers from 0 to 255 in "x.x.x.x" format, or enter an IPv6 address with hexadecimal number in "xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx" format for [Primary DNS Server] and [Secondary DNS Server]. Using IPv6 needs to specify prefixes. After configuring all settings, click [Save]. Do not change the items in the [Maintenance Port] group.

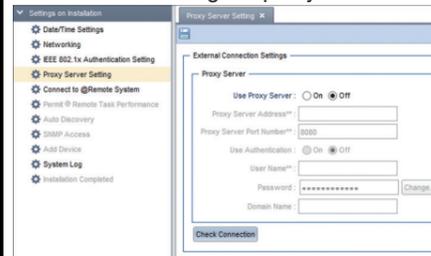


9 If you want to use IEEE802.1x authentication, click [IEEE 802.1x Authentication Setting].

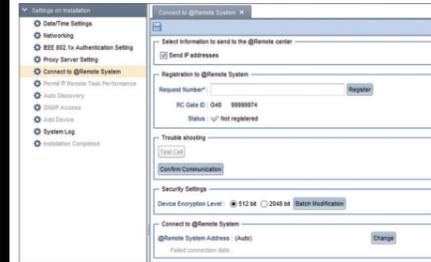
Select [Use] for [IEEE 802.1x Authentication Setting], set the necessary items, and then click [Save].



10 Setting a Proxy Server. When using a proxy server, set [Use Proxy Server] to [On]. After configuring all settings, click [Save] and click the [Check Connection] button. A connection test is executed using the proxy server.



11 In [Connect to @Remote System], enter the request number, and then click [Register]. Click [OK] when the dialog appears. Click [Save], and then display the other settings.



12 As required, specify [Permit @Remote Task Performance], [Auto Discovery], [SNMP Access], [Add Device], and [System Log].

13 Click [OK] in [Installation Completed].

Transits to the general management screen by clicking [OK].

14 Disconnect the USB cable from the RC Gate.

If the machine starts up correctly, the blue LED lights up.

★ Important

- The RC Gate operations cannot be ensured while the USB cable is connected.
- After configuring the initial setting, be sure to disconnect the USB cable.

↓ Note

- When logging in next time, open the RC Gate window, and then enter "http://{LANport IP address}:8080/index.html" in the web browser's address bar.

For more details, see "Operating Instructions".

By clicking the ? icon at the top of the window, you can access the Ricoh website and download "Operating Instructions".