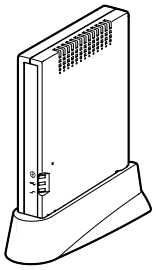
Remote Communication Gate
Type BN1/BM1

Operating Instructions



Read this manual carefully before you use this equipment and keep it handy for future reference. For safe and correct use, be sure to read the Safety Information in this manual before using the equipment.

Introduction

This manual contains detailed instructions and notes on the operation and use of this equipment. For your safety and benefit, read this manual carefully before using the equipment. Keep this manual in a handy place for quick reference.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the equipment.

Caution

Certain options might not be available in some countries. For details, please contact your local dealer.

Some illustrations in this manual might be slightly different from the equipment.

The supplier shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the supplier with your office products.

Power Source

220 - 240V, 50Hz, 5A or more

Please be sure to connect the power cord to a power source as above.

Trademarks

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Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights to those marks.

The proper name of the Windows operating systems are as follows:

- The product names of Windows® 2000 are as follows:
  Microsoft® Windows® 2000 Professional
  Microsoft® Windows® 2000 Server
  Microsoft® Windows® 2000 Advanced Server
- The product names of Windows® XP are as follows:
  Microsoft® Windows® XP Home Edition
  Microsoft® Windows® XP Professional
- The product names of Windows Server® 2003 are as follows:
  Microsoft® Windows Server® 2003 Standard Edition
  Microsoft® Windows Server® 2003 Enterprise Edition
  Microsoft® Windows Server® 2003 Web Edition
- The product names of Windows NT® 4.0 are as follows:
  Microsoft® Windows NT® Workstation 4.0
  Microsoft® Windows NT® Server 4.0

Safety Information

When using this equipment, the following safety precautions should always be followed.

Safety During Operation

In this manual, the following important symbols are used:

⚠ ***WARNING:***
Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

⚠ ***CAUTION:***
Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

⚠ *WARNING:*

- ***Confirm that the wall outlet is near the equipment and freely accessible, so that in event of an emergency, it can be unplugged easily.***
- ***Disconnect the power plug (by pulling the plug, not the cable) if the power cable or plug becomes frayed or otherwise damaged.***
- ***Disconnect the power plug (by pulling the plug, not the cable) if any of the following occurs:***
  - ***You spill something into the equipment.***
  - ***You suspect that your equipment needs service or repair.***
  - ***The external housing of your equipment has been damaged. Disposal can take place at our authorized dealer.***
- ***Use the AC adapter supplied with the equipment. Otherwise, a fire, an electric shock, a equipment failure might occur.***
- ***Connect the equipment only to the power source described on the inside front cover of this manual. Connect the power cord directly into a wall outlet and do not use an extension cord.***
- ***Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it. Do not pull it hard nor bend it more than necessary. These actions could cause an electric shock or fire.***
- ***Do not plug in or out with wet hands.***
- ***While thundering nearby, do not touch this equipment (Type BM1) to avoid a possible electric shock.***
- ***For the Type BM1, please connect the telephone line after the power is on, and disconnect the telephone line before the power is off. If you do not follow the procedures, you might get an electric shock.***
- ***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.***

⚠ *CAUTION:*

- *Protect the equipment from dampness or wet weather, such as rain and snow.*
- *Unplug the power cord from the wall outlet before you move the equipment. While moving the equipment, you should take care that the power cord will not be damaged.*
- *When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).*
- *Do not allow paper clips, staples, or other small metallic objects to fall inside the equipment.*
- *Keep the equipment away from humidity and dust. Otherwise a fire or an electric shock might occur.*
- *Do not place the equipment on an unstable or tilted surface. If it topples over, an injury might occur.*
- *Clean the plug end of the power cable at least once a year so as to avoid a possible fire.*

Grounding

In order to prevent potentially hazardous electrical shock, provide means of connecting to the protective grounding conductor in the building, wiring those grounding conductors of power cable.

Manuals for This Equipment

The following manuals describe procedures to operate and maintain this equipment.

For safe and efficient operation of this equipment, all users should read and follow the instructions carefully.

❖ **Setup Guide**
Describes how to install the equipment.

❖ **Operating Instructions (this manual)**
Provides all of the information on how to install, set up, and use the equipment. This manual is provided as a PDF file.

Note

❒ You need not perform the installation and registration procedures explained in this manual if a customer engineer has already installed and registered your equipment. However, in order to operate and maintain the equipment, you must read this manual carefully.

How to Read This Manual

Symbols

The following set of symbols is used in this manual.

⚠ ***WARNING:***
This symbol 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. Be sure to read the instructions, all of which are described in the Safety Information section.

⚠ ***CAUTION:***
This symbol 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. Be sure to read the instructions, all of which are described in the Safety Information section.

* The statements above are notes for your safety.

Important
If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

Preparation
This symbol indicates information or preparations required prior to operating.

Note
This symbol indicates precautions for operation, or actions to take after abnormal operation.

Limitation
This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

[ ]
Keys and buttons that appear on the computer's display.

About the Abbreviation

In these sheets, we sometimes use the term “RC Gate” as an abbreviation of Remote Communication Gate.

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8. Appendix

1. About the Remote Communication Gate

Outline of the System

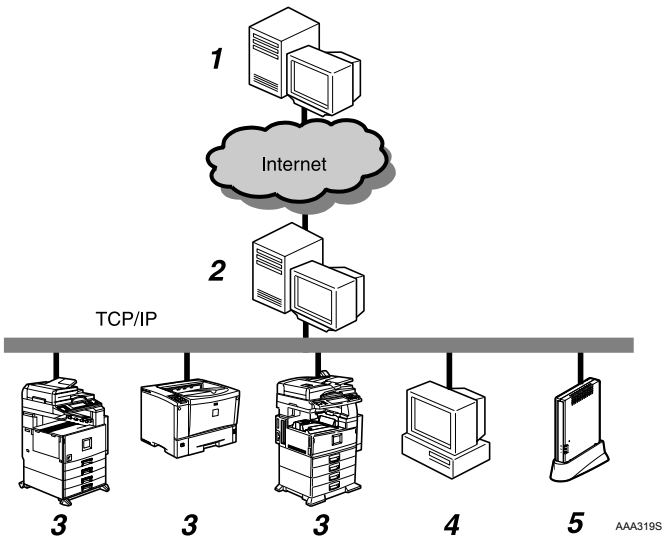
There are 2 methods of communication between the equipment and the Communication Server. They are the E-mail (SMTP) method and the Internet encryption communication (HTTPS) method. The following describes the outline of the system for each method.

E-mail (SMTP) Method

In this method, collected information is sent to the Communication Server automatically by E-mail. To use this method, an environment which enables to send E-mail with the SMTP protocol is required.

With "E-mail (SMTP)" method, the equipment will search the image I/O devices on the network. This is called "Auto Discovery. " The searched information will be sent to the Communication Server. You are able to receive our advice according to the sent information. For example, for a better image I/O device layout.

E-mail is encrypted by S/MIME for secure communication.



1. **Communication Server**

Information sent from the equipment by E-mail will be aggregated to this server.

2. **SMTP Server**

SMTP Server for E-mail. You are able to use the system if your environment is able to use E-mail with the SMTP Protocol. This server can be the server of your ISP, and does not have to be the server on your local network.

3. Image I/O Devices on the Network

This equipment can collect information from digital MFPs and printers by Auto Discovery. The Auto Discovery enables you to control information of as many as 500 devices. The equipment may not be able to collect information from some devices.

4. Computer for Setting

The equipment is set by RC Gate Monitor. For example, Auto Discovery settings.

5. This Equipment (Remote Communication Gate Type BN1)

This Equipment manages and sends various information from other devices to the Communication Server.

Internet encryption communication (HTTPS) Method

In this method, the equipment communicates with the Communication Server by HTTPS. This method allows the equipment to communicate with the Communication Server by HTTPS using mutual authentication. Communication is secured with this protocol. The Communication Server works as the HTTPS server, and the equipment works as the HTTPS client, to exchange information.

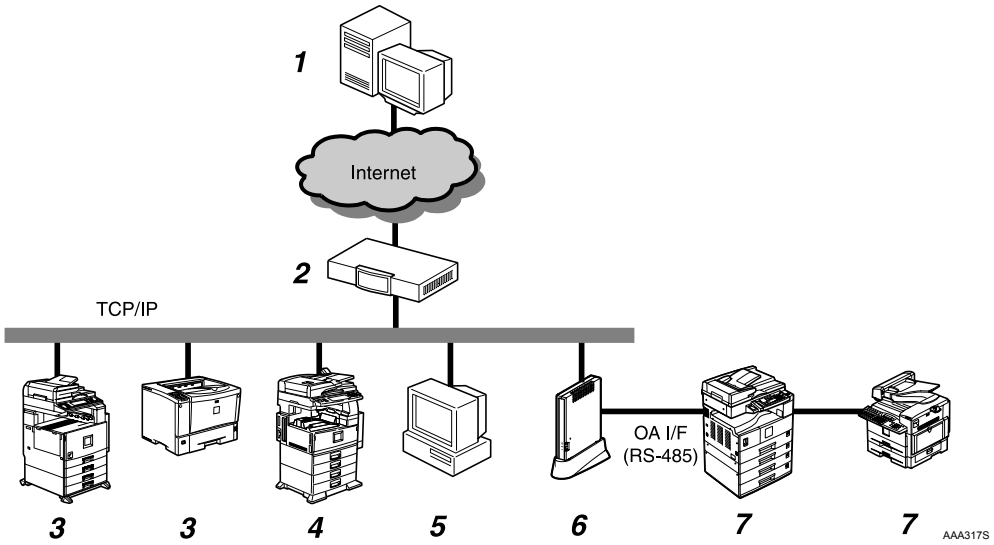
In addition to the periodical detection (Auto Discovery function) of the image I/O devices on the network, the Internet encryption communication (HTTPS) enables you to receive remote control services and to collect more detailed information from the Communication Server, taking advantage of its interactive communications.

Your system will be “Always connected” method or “Dial-up” method according to your connection to the internet.

Always Connected Method

If your network is connected to the internet, the equipment will communicate with the Communication Server using that environment. Here, we call it the "Always connected" method.

When you use the "Always connected" method, the following two items must be cleared: 1. Your environment is arranged to be able to access websites outside of your network; and 2. When using proxy certification, the account and password for the equipment is available.



1. Communication Server

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. When using proxy, Basic authentication, Digest authentication and Windows authentication (only NTLMv2 authentication available) can be used with this equipment.

3. Registered Image I/O Devices on the Network

This equipment can manage digital MFPs and printers by communicating with the Communication Server. The equipment can manage a maximum of 100 devices, including "7. Image I/O Devices Registered without the Network." The "Auto Discovery" function works with these devices as well. Ask your service representative for the compliant devices, as the equipment cannot manage some devices.

4. Non Registered Image I/O Devices on the Network

This equipment can collect information from non-registered digital MFPs and printers and send it to the Communication Server by using the "Auto Discovery" function. The equipment cannot collect information from some devices. The Auto Discovery enables you to control information of as many as 500 devices.

5. Computer for Administration

This computer is to administer the equipment by use of the RC Gate Monitor.

6. This Equipment (Remote Communication Gate Type BN1)

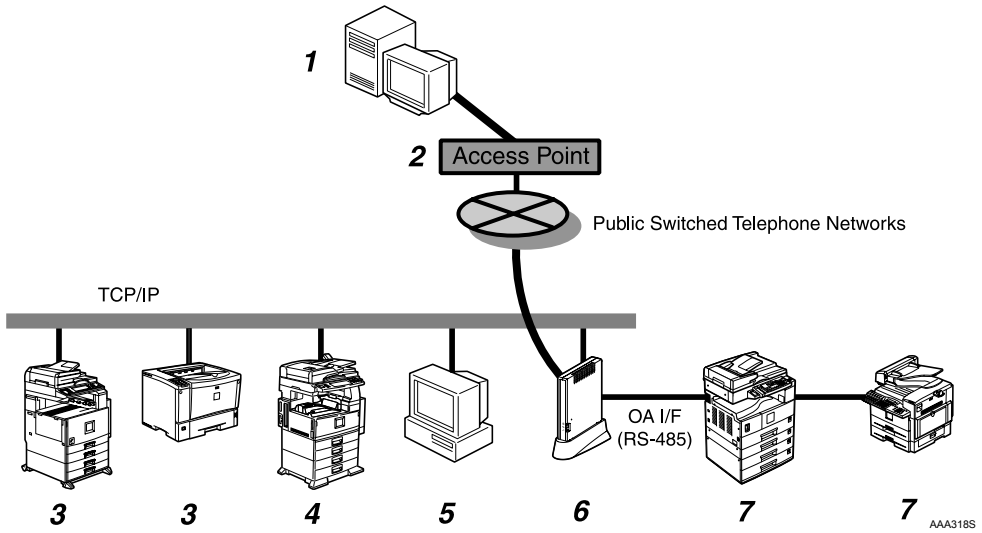
Intermediates managed image I/O devices and the Communication Server. Sends various information from other devices to the Communication Server, and receives software to update the devices.

7. Image I/O Devices Registered without the Network

Regarding the digital MFPs and copy machines unconnected to the Network, you can control them by directly connecting to this equipment using the RS-485 modular cable (black). The image I/O devices on the Network can also be controlled by the modular cable connection for more detailed services. (For the devices unconnected to the Network, however, you cannot use the Auto Discovery). A total of 5 devices can be connected to the Network. There are some devices, however, that cannot be connected with the modular cable. Please contact your maintenance service representative and ask about the compliant devices. The actual connection operation is to be conducted by your service representative.

Dial-up Method

If your network environment is not suitable for the "Always connected" method (For example, you cannot connect to a website on the internet), connect the equipment to the Communication Server with the modem installed in Type BM1. This is called the "Dial-up" method. For this method, you can use the facsimile line or telephone line exclusively prepared for this equipment.



1. Communication Server

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

2. Access Point

You can make a setting by selecting a country name from among **[Access point]** list in **[RC Gate Registration Wizard]**.

3. Registered Image I/O Devices on the Network

This equipment can manage digital MFPs and printers by communicating with the Communication Server. The equipment can manage a maximum of 100 devices, including "7. Image I/O Devices Registered without the Network." The "Auto Discovery" function works with these devices as well. Ask your service representative for compliant devices, as the equipment cannot manage some devices.

4. Non Registered Image I/O Devices on the Network

This equipment can collect information from non-registered digital MFPs and printers and send it to the Communication Server by using the "Auto Discovery" function. The equipment cannot collect information from some devices. The Auto Discovery enables you to control information of as many as 500 devices.

5. Computer for Administration

This computer administers the equipment by use of the RC Gate Monitor.

6. This equipment (Remote Communication Gate Type BM1)

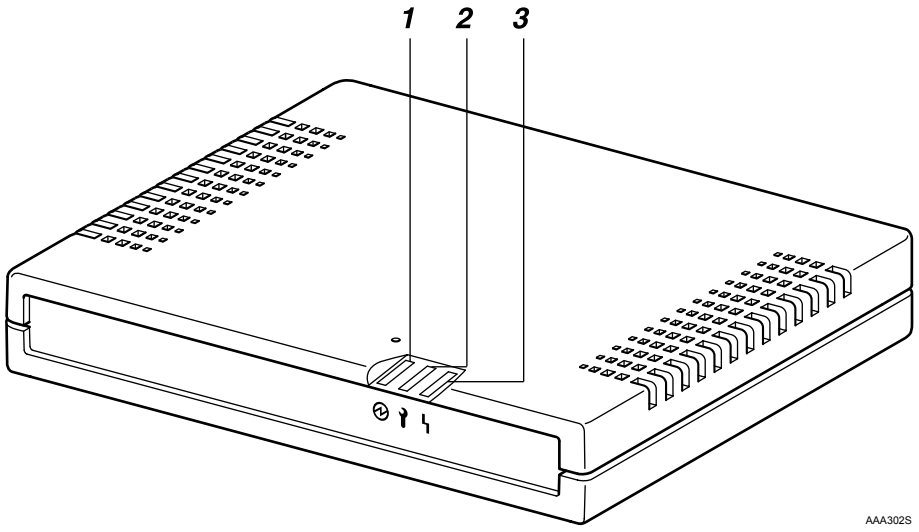
Various information concerning the image I/O devices managed by this equipment are sent to the Communication Server. It communicates with the Communication Server via the modem installed in this equipment.

7. Image I/O Devices Registered without the Network

Regarding the digital MFPs and copy machines unconnected to the Network, you can control them by directly connecting to this equipment using the RS-485 modular cable (black). The image I/O devices on the Network can also be controlled by the modular cable connection for more detailed services. (For the devices unconnected to the Network, however, you cannot use the Auto Discovery). A total of 5 devices can be connected to the Network. There are some devices, however, that cannot be connected with the modular cable. Please contact your maintenance service representative and ask about the compliant devices. The actual connection operation is to be conducted by your service representative.

Guide to the Equipment

Top/Front



1. ⏻ Power

Lights green while the equipment is operating.

2. Call Maintenance

OFF when correctly the equipment started. Lights red when an error occurs. In this case, contact your service representative.

3. Communication Error

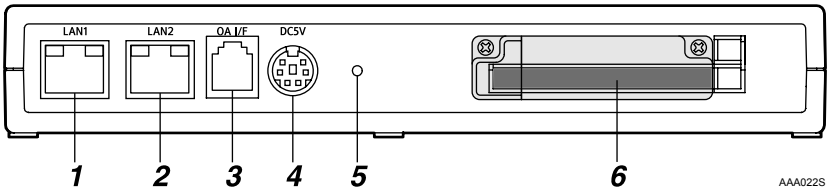
OFF when correctly communicating with the Communication Server. Lights orange when access to the Communication Server fails. Check the LAN cable is correctly connected. Then turn the power of this equipment off and turn it on again. Connect the power cable if it not connected. Contact your service representative if the problem persists.

Note

- ❒ When re-booted and started, the LEDs blink for a while.
- ❒ If the equipment stops functioning due to error, the red and orange LEDs flash rapidly and alternately. Call your service representative if this happens.

Back

Remote Communication Gate Type BN1



1. LAN1 Port

The network (Ethernet) interface port for maintenance. The IP address of the port is set to 192.168.10.1 as the factory default, but you can change the address to 192.168.1.1 or 192.168.250.1. This is used by the service engineer for the maintenance of this equipment, and also used for the first LAN2 port IP address setting.

2. LAN2 Port

The network (Ethernet) interface port to connect this equipment to the network. The default IP address is 192.168.0.2, but it can be changed.

3. OA I/F

This is an RS-485 interface port to be connected to the image I/O devices to collect information without connection setting via Network. The modular cable (black) is used for the connection. Contact your service representative for the connection service. The actual connection operation is to be conducted by your service representative.

4. Power Socket

Connect to the power cable.

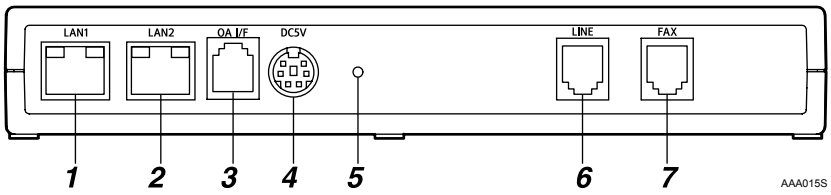
5. Screw Hole

A hole for a screw to set the bracket.

6. A port for Wireless LAN Card (Option)

An optional wireless LAN card interface for the network connection of this equipment.

Remote Communication Gate Type BM1



1. LAN1 Port

The network (Ethernet) interface port for maintenance. The IP address of the port is set to 192.168.10.1 as the factory default, but you can change the address to 192.168.1.1 or 192.168.250.1. This is used by the service engineer for the maintenance of this equipment, and also used for the first LAN2 port IP address setting.

2. LAN2 Port

The network (Ethernet) interface port to connect this equipment to the network. The default IP address is 192.168.0.2, but it can be changed.

3. OA I/F

This is an RS-485 interface port to be connected to the image I/O devices to collect information without connection setting via Network. The modular cable (black) is used for the connection. Contact your service representative for the connection service. The actual connection operation is to be conducted by your service representative.

4. Power Socket

Connect to the power cable.

5. Screw Hole

A hole for a screw to set the bracket.

6. LINE

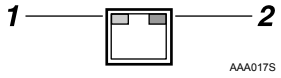
Interface port to connect the telephone line.

7. FAX

Interface port to connect the FAX line when using the same line with your FAX.

LAN Port Indicator

You can check the connection condition of the LAN1 port and the LAN2 port.



1. Orange

This colour lights on when connected to the 100 Mbps network. Lights off when connected to the 10Mbps network or is not connected to the network.

2. Green

This colour lights on while transmitting data.

2. Setup and Connection

This chapter will describe how to setup and connect the equipment to the network.

Checking the Setup Environment

⚠ ***WARNING:***

- ***Confirm that the wall outlet is near the equipment and easily accessible so as to be unplugged quickly in an emergency.***

⚠ ***CAUTION:***

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

Place the equipment on a level and vibration free surface.

Place the equipment on a location that guarantees a space of 1cm (0.4inch) or more from the front/back/left/right sides of the equipment.

Important

❒ Do not locate the equipment where it is exposed to:

- direct sunlight
- air conditioner, heater, or humidifier emission
- electronic/magnetic interference from radios, televisions, or other electrical equipments
- Areas excessively cold, hot, or humid
- extreme heat, cold, or humidity

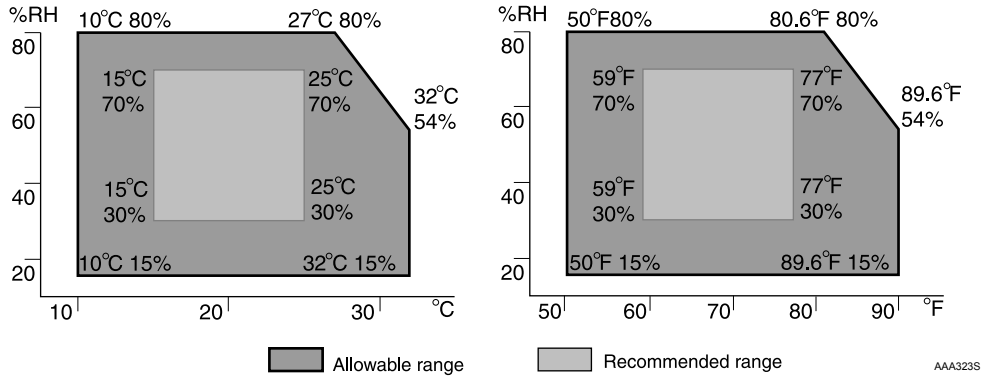
❒ Locate this equipment in a secure environment such as an enclosed office.

❒ This equipment supports manufacturer genuine I/O devices only.

❒ Connect this equipment and the image I/O devices to a responsibly administrated network that is protected by a firewall or a similar Internet security/virus protection facility.

❒ Choose appropriate persons as the administrator and registrant. The administrator is responsible for management and operation of the equipment; the registrant is responsible for registering the equipment on the Communication Server. Both must read the “Operating Instructions” and “Setup Guide” carefully.

Place the equipment in the recommended temperature and humidity shown below:



Important

- ❒ When the equipment is moved from a cold to a warm location, or vice versa, internal dew condensation can occur. In this case, leave the equipment in the new environment for at least one hour.
- ❒ Keep the equipment's power on during normal operation.

Connecting the Power Cable

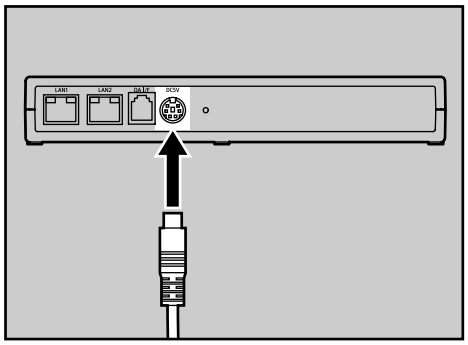
This procedure shows you how to connect the power cable to the equipment.

⚠ ***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 the equipment only to the power source described on the inside front cover of this manual. Connect the power cord directly into a wall outlet and do not use an extension cord.***
- ***Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it. Do not pull it hard nor bend it more than necessary. These actions could cause an electric shock or fire.***

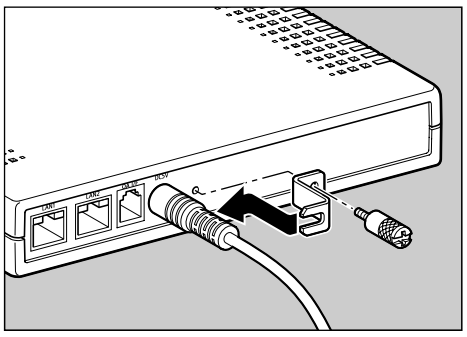
1 **Connect the AC adapter to the power cable.**

2 **Connect the AC adapter securely to the power socket of the equipment.**



AAA001S

3 **Secure the cable with the bracket and fix it with the screw.**



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Note

❒ Use a coin when you fix the screw.

4 Plug the power cable into the wall outlet.

Note

❒ The LED blinks when the equipment is warming up or in maintenance mode, and then the orange and green LEDs are lit.

❒ For details about the shutdown procedure, see p.123 “Shut Down RC Gate”.

⚠ ***WARNING:***

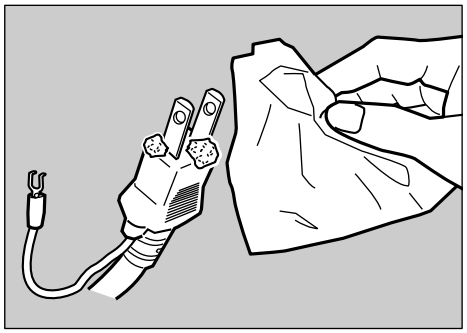
- ***Do not plug in or out with wet hands.***

⚠ ***CAUTION:***

- *When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).*

⚠ ***CAUTION:***

- *Clean the plug end of the power cable at least once a year so as to avoid a possible fire.*



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Connecting Telephone Line to Type BM1

The procedures here show how to connect a telephone line to the Remote Communication Gate Type BM1.

Note

❒ Skip this procedure when you are setting up the Remote Communication Type BN1.

⚠ WARNING:

- ***For the Type BM1, please connect the telephone line after the power is on, and disconnect the telephone line before the power is off. If you do not follow the procedures, you might get an electric shock.***

⚠ WARNING:

- ***While thundering nearby, do not touch this equipment to avoid a possible electric shock.***

Telephone Line Shared with Facsimile

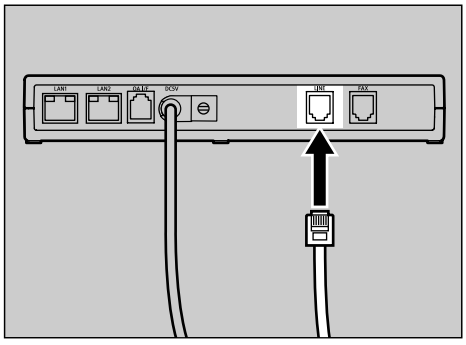
Follow the telephone line connection procedure below, when you use your facsimile line to communicate with the Communication Server.

Reference

See p.5 “Dial-up Method” for details.

1 Disconnect the telephone line cable from the LINE port of the facsimile.

2 Connect the telephone line cable thus disconnected, to the LINE port of this equipment.



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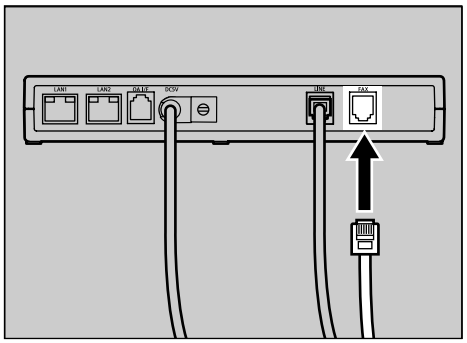
3 **Connect the supplied white telephone line cable to the FAX port of this equipment.**



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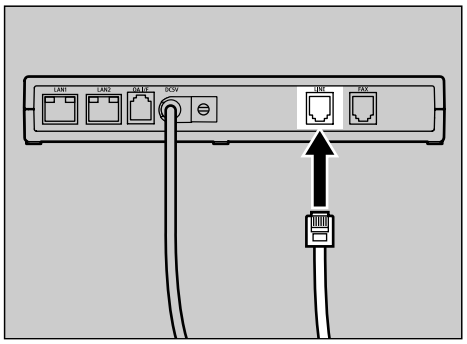
4 **Connect the other end of the white telephone line cable to the LINE port of the facsimile.**

Telephone Line Exclusively Used for the Remote Communication Gate

The following instructions describe the connection procedures of the telephone line, when the telephone line is used exclusively for this equipment.

1 **Connect the telephone line cable to the telephone line socket exclusively prepared for this equipment.**

2 **Connect the other end of the telephone line cable to the LINE port of this equipment.**



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Note

❒ The FAX port will not be used.

Changing the IP Address (LAN2 Port)

The IP address of LAN2 port is set to 192.168.0.2, and the Subnet mask is set to 255. 255.255.0 as the factory default. If you cannot use 192.168.0.2 as the IP address of this equipment, use LAN1 port to change the IP address of LAN2 port.

Preparation

Depending on the OS of your computer, login as a member of the Administrators group is required.

When you can use 192.168.0.2 as the IP address of this equipment, please skip this procedure.

When you use an optional wireless LAN card, a wireless LAN setting is necessary according to the procedures below.

❖ **Cases to follow this procedure:**

- The subnet in use is not 192.168.0.xxx.
- When the subnet is 192.168.0.xxx, but 192.168.0.2 is already in use, and the address cannot be used for this equipment.
- When the subnet is 192.168.0.xxx, but the IP address is given dynamically by the DHCP server.
- When an optional wireless LAN card is used for this equipment.

Important

❒ If the subnet is 192.168.10.xxx but the IP address 192.168.10.1 is unavailable for the LAN1 port of this equipment, please contact your service representative.

❒ Connect the equipment and the network by the supplied network cable. You can use 10BASE-T or category5 100BASE-TX network cable instead of the supplied network cable.

❒ In the following cases, connect this equipment and the computer directly by a cross network cable available on the market, and follow the procedures from Step 3.

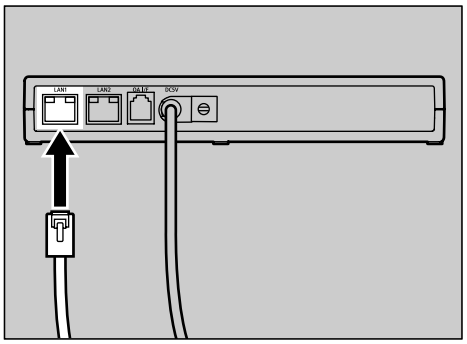
- In your network, only a wireless LAN is available but a wired LAN is unavailable.
- All the ports of the network devices such as HUB are occupied.
- The segment of this equipment and the computer to set this equipment are different.

The flow below shows the way to setup the IP address of the LAN2 port by accessing from the LAN1 port with the computer on the network. The computer must have web browsers confirmed on p.29 “System Requirements for the RC Gate Monitor”.

Note

❒ In this document, we show the description and screen illustration, using Windows 2000 and Internet Explorer 6.0. Procedures may be different depending on your hardware/software environment.

1 Connect the supplied network cable to the LAN1 port.



2 Connect the other end of the network cable to the network HUB or other network devices.

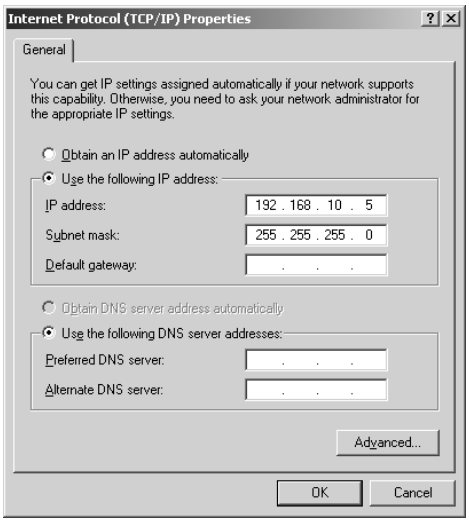
3 Write down the current network setting information of the computer, such as the IP address, etc.

Note

❒ On the next procedure, temporarily the IP address of the PC is changed. Write down the PC network setting information to restore the setting after the operation is completed.

❒ You can add an IP address to your PC depending on the OS of the PC. In this case, you do not need to write down the IP address.

4 Set the IP address of the PC to 192.168.10.x (x can be any number between 2 and 254), and the Subnet mask to 255.255.255.0.



Note

❒ The screen varies by operating system used.

5 Follow the instructions on the screen.

The IP address of the PC will be set to 192.168.10.x.

6 Open your web browser of the computer.

7 Enter "https://192.168.10.1/index.html" in [address] box of the web browser.

An SSL certification warning screen will appear.

Note

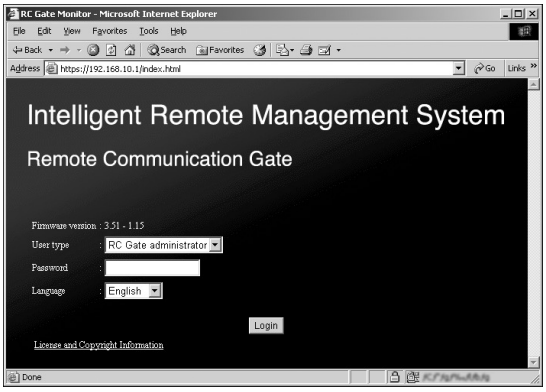
❒ SSL certification warning screen may differ according to your web browser.

8 Confirm the issuer is "Ricoh Remote Service CA", and then agree to the conditions.

Note

❒ An example of Internet Explorer 6.0: Click **[Yes]**.

The login page of the RC Gate Monitor appears.



Note

❒ The RC Gate Monitor is the software to register, make settings, and configure equipment, devices, and Auto Discovery. The software is pre-installed in the equipment, and therefore, it is not necessary to install it to your computer. To start the RC Gate Monitor, access "https://(IP address of the LAN1 port or LAN2 port)/index.html" with the web browser.

❒ The LAN1 port's default IP address is "192.168.10.1".

9 **Select your language from [Language]. Select "RC Gate registrant" from [User type]. Enter the password for the RC Gate registrant to [Password]. Click [Login].**

Reference

Regarding the default password, please refer to the "Setup Guide."

Important

❒ Do not use the factory default password as it is, and never fail to change it. See p.129 "Password" for details.

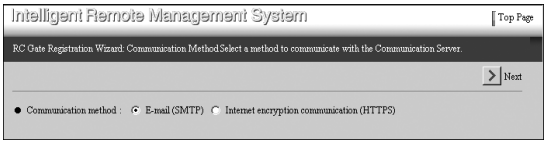
Note

❒ If an invalid password is entered, the login page will appear again. In this case, make sure **[User type]** indicates "RC Gate registrant", and enter the correct password.

Top Page for the RC Gate registrant appears.

10 **Click [RC Gate Registration Wizard].**

[RC Gate Registration Wizard: Communication Method] screen appears.



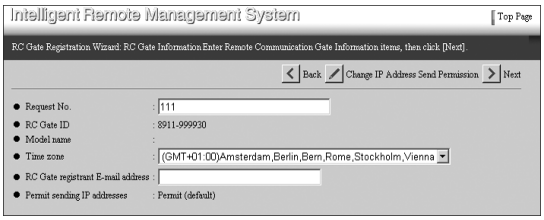
11 Select either [E-mail (SMTP)] or [Internet encryption communication (HTTPS)], and click [Next].

Note

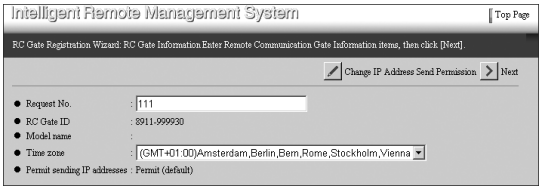
❒ Select your contracted communication method. Please contact and ask your service representative if you do not identify the communication method.

[RC Gate Registration Wizard: RC Gate Information] screen appears.

- When the "E-mail (SMTP)" method is selected



- When the "Internet encryption communication (HTTPS)" method is selected



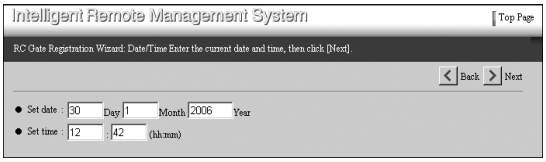
12 Enter [Request No.]. Select your time zone from [Time zone] list. Click [Next].

Note

❒ **[Request No.]** is required to enter. This number will identify your RC Gate with the Communication Server.

❒ At this moment, **[RC Gate registrant E-mail address]** is not required to enter.

The **[RC Gate Registration Wizard: Date/Time]** screen appears.



⓭ Set [Set date] and [Set time] and click [Next].

[RC Gate Registration Wizard: Confirm Network Settings] screen appears.

Important

❒ Check the date and time periodically, and correct them if necessary.

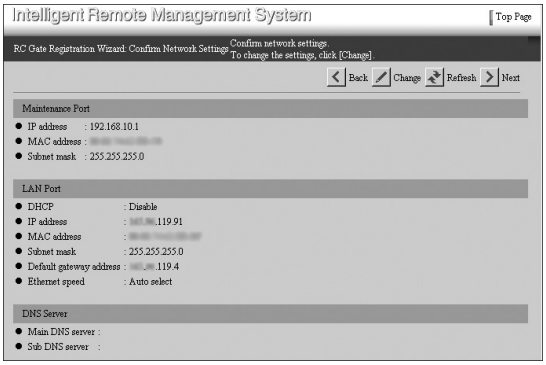
Note

❒ The clock starts to count when you click **[Next]**.

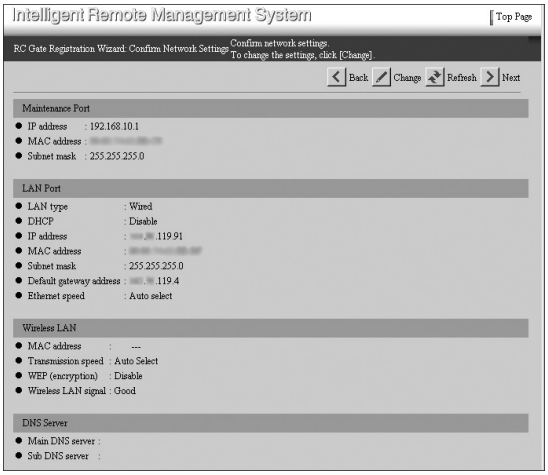
Reference

p.93 “Date/Time”

- Type BN1 (without an optional wireless LAN card) or Type BM1



- With an optional wireless LAN card



14 Click [Change].

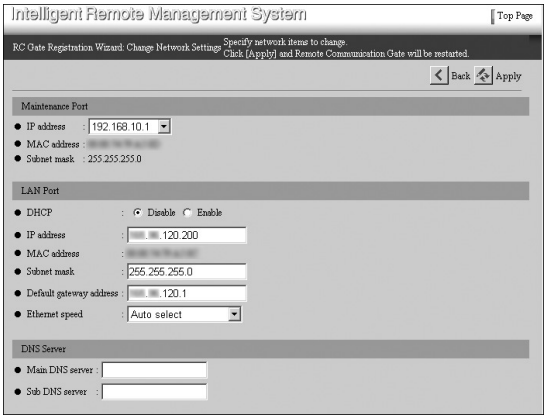
Note

❒ To return to the **[RC Gate Registration Wizard: Date/Time]** screen, click **[Back]** instead of **[Change]**.

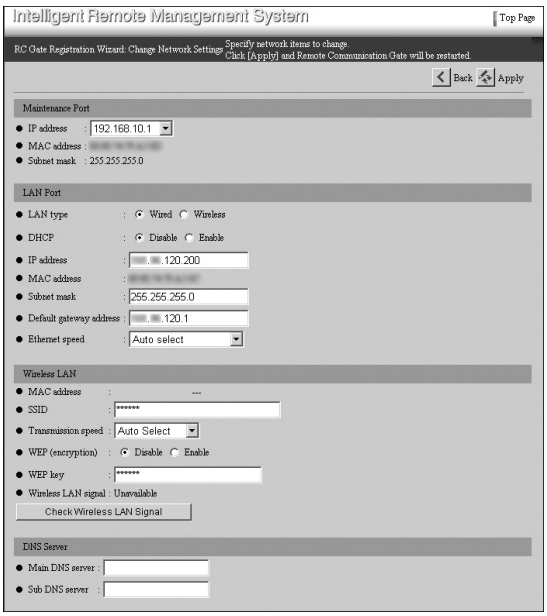
❒ Do not click **[Next]** on this screen. If this button is clicked, the **[RC Gate Registration Wizard: E-mail Settings]** screen appears and you cannot set the IP address.

The **[RC Gate Registration Wizard: Change Network Settings]** screen appears.

- Type BN1 (without an optional wireless LAN card) or Type BM1



- With an optional wireless LAN card



⓯ Enter each item in the "LAN Port" group, "DNS Server" group, and "Wireless LAN" group (When an optional wireless LAN card installed).

Note

❒ When using DHCP, select "Enable" for the **[DHCP]**, and do not enter anything in **[IP address]**, **[Subnet mask]** and **[Default gateway address]**. These values are automatically given from the DHCP Server. Make the same settings when you give the static IP address by the DHCP Server.

❒ When **[DHCP]** is "Disable", enter appropriate numbers (for example, x.x.x.x with x representing 0 to 255), in **[IP address]**, **[Subnet mask]** and **[Default gateway address]**.

❒ Enter the IP address for **[Main DNS server]** and **[Sub DNS server]** (Leave the box blank if it does not exist) when entering the proxy server name and/or the SMTP server name instead of the IP address. Enter appropriate numbers for **[Main DNS server]** and **[Sub DNS server]** (for example, x.x.x.x with x representing 0 to 255).

❒ If you have installed an optional Wireless LAN card, select "Wired" or "Wireless" from **[LAN type]**. If you select "Wireless", enter all items from **[SSID]** to **[WEP key]**.

❒ Do not change the items in the "Maintenance Port" group.

Reference

See p.94 "Network" for the details of each item.

⓰ Click [Apply].

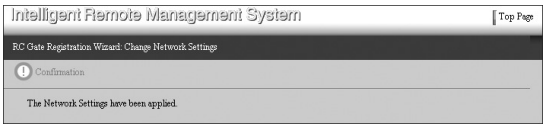
Note

❒ If you click **[Back]** instead of **[Apply]**, the **[RC Gate Registration Wizard: Confirm Network Settings]** screen appears. Entered values are not retained.

⓱ Click [OK].

The screen below appears.

In a few seconds, **[RC Gate Registration Wizard: Confirm Network Settings]** screen which is shown at Step ⓭ re-appears.



If you selected "Enable" for **[DHCP]**, confirm the IP address given by the DHCP server. To confirm the IP address, access the RC Gate Monitor from the LAN1 port according to the following procedure.

❶ Connect the equipment with the network from the LAN2 port to obtain an IP address from the DHCP server.

❷ Follow the Steps ⑥ to ⑫ using the computer connected to the LAN1 port. Then make a note of the IP address of the "LAN Port" group at Step ⑬.

❸ Click [Top Page] at Step ⑬, and proceed from Step ⑲.

18 Click [Top Page] on the upper right of the screen.

Login screen appears.

19 Click [×] on the web browser.

The web browser closes.

Note

❒ Procedures to close web browser may differ according to your Operating System and web browser. Proceed according to your environment.

20 Restore the network settings of your computer according to the setting information in Step 3 of this section.

Important

❒ If you change the equipment's IP address, this step is essential for re-establishing connection with the equipment.

21 Disconnect the network cable from the LAN1 port of this equipment.

Connecting the Network Cable

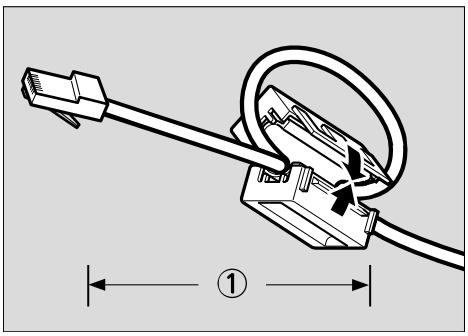
The procedures here show how to connect a network cable to the equipment.

Important

❒ Connect the equipment and the network by the supplied network cable. If you do not use the supplied cable, use a 10BASE-T or 100BASE-TX network cable. For the 100BASE-TX, use a category-5 product.

❒ The IP address of the LAN2 port is set to 192.168.0.2, and the subnet mask is set to 255.255.255.0 as the factory default. If you cannot use 192.168.0.2 as the IP address of this equipment, change the IP address of the LAN2 port and then connect to your network. Please refer to p.17 “Changing the IP Address (LAN2 Port)” for details.

1 Twist the network cable in a loop and fix the supplied ferrite core at about 10cm (4inch, ①) from the end of the cable.



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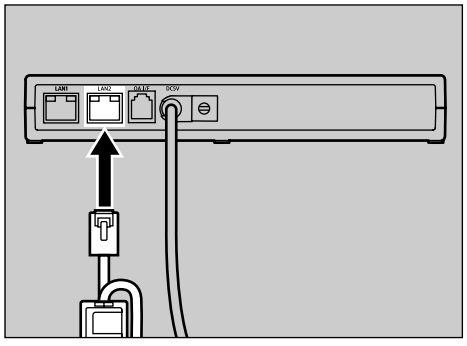
Note

❒ The ferrite core is clipped when supplied. Open the core before clipping it to the network cable.

2 Connect the network cable to the LAN2 port of this equipment.



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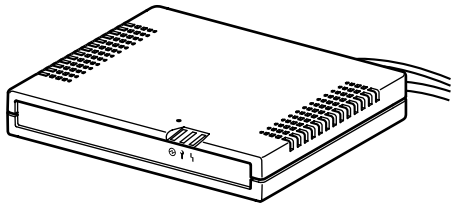
3 Connect the other end of the cable to network devices, such as HUB, etc.

Installing the RC Gate

Make sure the environment where you want to install the equipment meets the conditions listed on p.11 “Checking the Setup Environment”, and then begin the installation procedure.

Setting the Equipment Horizontally

Lay the equipment on a flat surface, its LEDs upward.



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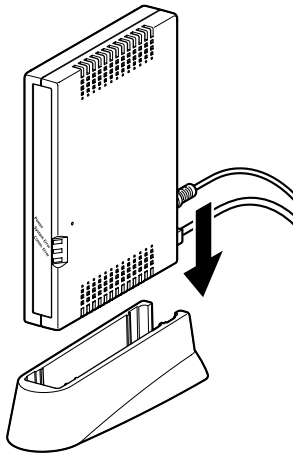
Setting the Equipment Upright

You can set the equipment vertically to minimize its footprint.

1 Lift the equipment, tilt vertically (LAN1 port downward) and then slot it fully into the supplied stand, as shown below.



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3. About the RC Gate Monitor

System Requirements for the RC Gate Monitor

The RC Gate Monitor is the software used to register, make settings, and configure the equipment, devices, and Auto Discovery. The software is pre-installed in the equipment, and therefore, it is not necessary to install it to your computer.

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

❖ **Applicable Operating System**

Use operating systems which support the recommended web browsers below.

❖ **Web Browsers Recommended**

- Netscape Navigator 7.1 or higher
- Microsoft Internet Explorer 6.0 or higher

Important

❒ Use a browser that can display disguised characters (such as asterisks) during password entry.

Limitation

❒ Some failure in operation or in displaying might occur if you use web browsers lower than the recommended version.

❒ Some failure in operation or in displaying might occur if JavaScript is not set to valid.

❒ Some failure in operation or in displaying might occur if Cookie is not set to valid.

❒ Some failure in operation or in displaying might occur if 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 the web browser.

Starting and Closing the RC Gate Monitor

To Start the RC Gate Monitor

1 Start the web browser of the computer, which is on the same network with the equipment.

2 Enter "https://(IP address of the LAN2 port)/index.html" in the [address] box of the web browser.

An SSL certification warning screen appears.

Note

❒ If you cannot access the RC Gate Monitor, check the proxy settings.

Proxy Settings (for Internet Explorer 6.0)

❶ **On your web browser's [Tools] menu, select [Internet Options].**

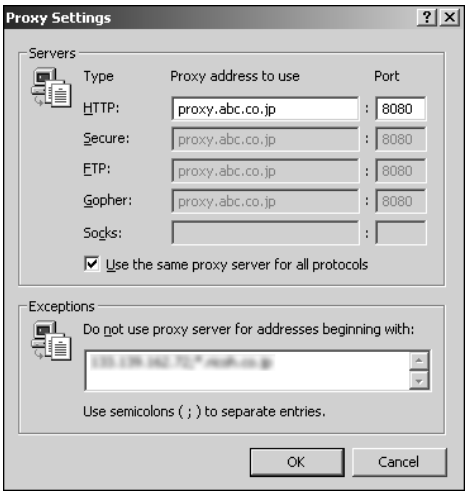
The **[Internet Options]** screen appears.

❷ **Click the [Connections] tab.**

❸ **Click the [LAN Settings] button.**

❹ **Click the [Advanced] button.**

❺ **Under [Exceptions], after [Do not use proxy server for addresses beginning with], enter the IP address of the equipment's LAN2 port.**



❻ **Click the [OK] button three times.**

The setting is activated.

3 Accept the new certificate.

Note

❒ The SSL certification warning screen may differ according to your web browser.

With Internet Explorer 6.0

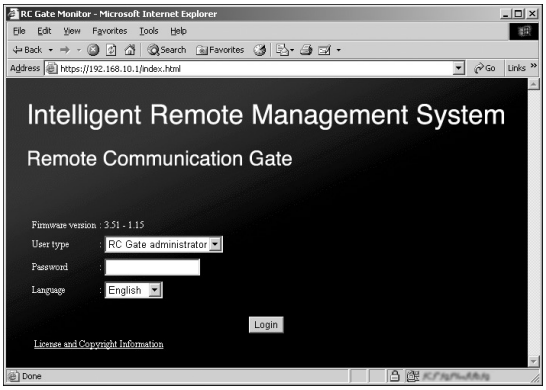
❶ **Click [OK].**

❷ **Click [Yes].**

The SSL certification is accepted. The SSL certification will be valid till you disconnect the equipment, for example, close the web browser.

The RC Gate Monitor Login screen appears.

4 **Select your language in [Language]. Select "RC Gate registrant" or "RC Gate administrator" from [User type]. Enter your password for each user.**



❖ **RC Gate registrant**

Use this to setup and register the equipment. The RC Gate registrant can register the equipment, setup Auto Discovery, register image I/O devices (When using Internet encryption communication (HTTPS) method).

Important

❒ Change the password. Do not use the factory default password for actual operation. See p.129 "Password" for details.

❖ **RC Gate administrator**

User to administrate the equipment. The RC Gate administrator can change and configure the necessary settings for operating the equipment and confirm the settings of the managed devices.

Important

❒ Change the password. Do not use the factory default password for actual operation. See p.129 "Password" for details.

Important

❒ Access logs can be configured. See p.131 "Access Log" for details.

❒ For security, further login attempts are rejected if you fail to login three times within five minutes. Wait one minute before attempting to login again.

5 **Click [Login].**

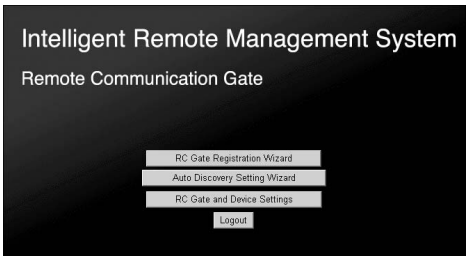
The Top Page (menu screen) for the selected user appears.

According to the communication method (E-mail (SMTP)/Internet encryption communication (HTTPS)) or user (RC Gate registrant/RC Gate administrator), the Top Page (menu screen) will be different due to the operating purview for each user.

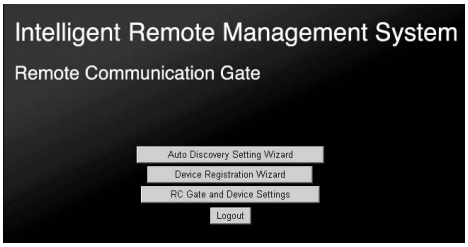
❖ RC Gate registrant

- Before the **[RC Gate Registration Wizard]** is completed
  Top Page with **[RC Gate Registration Wizard]** and **[RC Gate and Device Settings]** will appear.

- When the **[RC Gate Registration Wizard]** of the "E-mail (SMTP)" method is completed
  [Auto Discovery Setting Wizard] will appear as well as the buttons above.



- When **[RC Gate Registration Wizard]** of the "Internet encryption communication (HTTPS)" is completed
  [RC Gate Registration Wizard] will not appear. **[Auto Discovery Setting Wizard]**, **[Device Registration Wizard]**, and **[RC Gate and Device Settings]** will appear.



❖ RC Gate administrator

Top Page with **[RC Gate and Device Settings]** for both E-mail (SMTP) and Internet encryption communication (HTTPS) method will appear.

About the Menu Buttons

❖ **RC Gate Registration Wizard**

Use the wizard to register the equipment to the Communication Server.
It will appear when you login as "RC Gate registrant." In the "Internet encryption communication (HTTPS)" method, it will disappear after you have completed the wizard for the first time.
In the "E-mail (SMTP)" method, the settings will be maintained after you have completed the wizard. You can change the settings anytime.

Reference

See p.39 "Registering the Equipment" for the details of **[RC Gate Registration Wizard]**.

❖ **Auto Discovery Setting Wizard**

Make settings for network range and period of time to execute "Auto Discovery." "Auto Discovery" is a function to search image I/O devices on the network over a period of time and send the collected information of the devices to the Communication Server.
It will appear when you login as "RC Gate registrant" and **[RC Gate Registration Wizard]** is completed.

Reference

See p.61 "Setting the Auto Discovery" for the details of **[Auto Discovery Setting Wizard]**.

❖ **Device Registration Wizard**

Starts the wizard for registering the image I/O devices to manage in the Communication Server.
Appears when the "RC Gate registrant" logins, and when registration using the **[RC Gate Registration Wizard]** is complete.

Reference

See p.75 "Registering Image I/O Devices to the Communication Server" for details of **[Device Registration Wizard]**.

❖ **RC Gate and Device Settings**

You can change and configure the details of the settings made with the above wizards. Also, you can reboot the equipment and confirm communication log (this is available only when you use the "Internet encryption communication (HTTPS)" method) from this button.
This button appears whenever you login as "RC Gate registrant", or "RC Gate administrator." Then details may differ according to the login user (RC Gate registrant or RC Gate administrator) and communication method (E-mail (SMTP) or Internet encryption communication (HTTPS)).

Reference

See p.87 "Configuring the Details of the Registered Information" for the details of **[RC Gate and Device Settings]**.

To Close the RC Gate Monitor

1 **Click [Top Page] in the Header Area.**

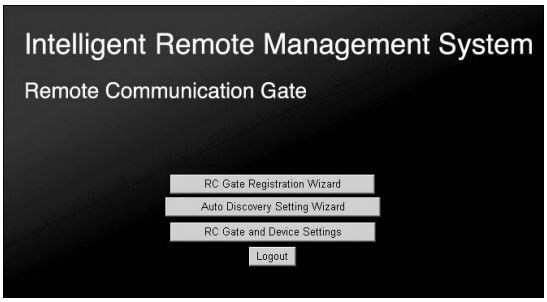
Reference

See p.36 “Header Area”

See p.37 “Header Area”

Top Page will appear.

2 **Click [Logout].**

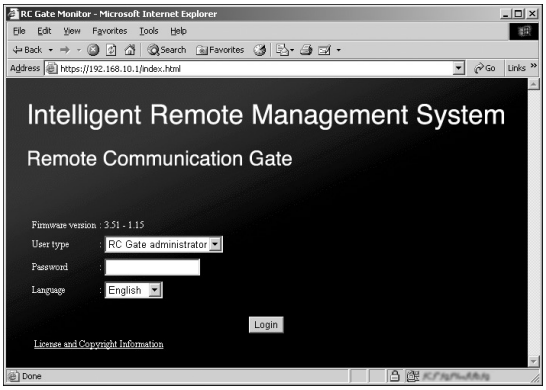


Note

❒ The illustration shows the screen when you use the “E-mail (SMTP)” method and login as the RC Gate registrant. The Top Page will differ according to the communication method and login user.

Login screen appears.

3 **Click [×] of the web browser.**



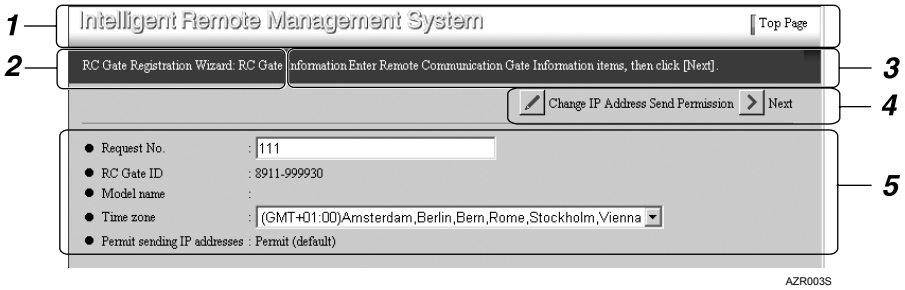
Important

❒ Be sure to click **[Logout]** in the Step **2** before **[×]**

Note

❒ The operation to close the web browser differs according to the operating system and the web browser. Operate according to your environment.

RC Gate Monitor Wizard Screen and Operation



1. Header Area

A link button with the Top Page is here on every page. You can return to the Top Page by clicking this button.

Note

❒ To quit the wizard, click **[Top Page]**.

2. Screen Title

Name of the current screen is shown.

3. Guidance

A guide for current operations is shown.

4. Command Buttons

Click to show the next/previous screen, and to update values.

❖ **Next**

Proceeds to the next screen.

❖ **Back**

Returns to the previous screen, in general. When an error occurs during confirmation or registration to the Communication Server with the "Internet encryption communication (HTTPS)" method, click **[Back]** to return to the **[RC Gate Registration Wizard: RC Gate Information]** screen and restart the wizard from the beginning.

❖ **Change**

Moves to the screen to change the settings.

❖ **Apply**

Applies the changes.

❖ **Selected Device List**

The Selected Device List screen will appear in another window.

❖ **Additional Search**

Returns the **[Device Registration Wizard: Search Range Settings]** screen to allow device searching by more detailed search conditions.

❖ **Stop searching**

Stops the device search and returns the previous screen.

❖ **Machine ID Error List**

Displays the **[Machine ID Error List]** screen in a different window.

❖ **Refresh**

Updates the screen.

❖ **Close**

Closes the screen appearing in another window.

❖ **Finish**

Finishes the wizard and returns to the Top Page.

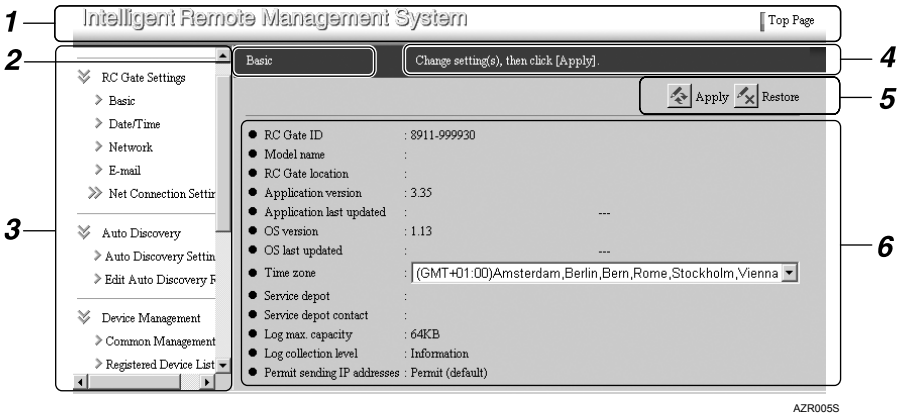
5. Work Area

Name of the menu items are shown in the left and contents of the items are shown in the right. You can enter the white, 3-D effected item box.

Reference

See p.38 "About the Chart Screen" for the details of the chart screen.

About the RC Gate and Device Settings



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1. Header Area

A link button to Top Page is shown in this area. You can exit from **[RC Gate and Device Settings]** and jump to the Top Page anywhere on the setting screen.

2. Screen Title

The title of the screen is shown here.

3. Menu Area

The menu is shown with hyperlinks. A Work Area will appear when you click the bottom layer of the menu.

❖ »

This graphic indicates that the sub menus are folded and hidden. Click it to open and show the sub menus.

❖ ⌄⌄

This graphic indicates that the sub menus are open and shown. Click it to fold and hide the sub menus.

❖ ›

The menu with this graphic is in the bottom layer. Click to show the Work Area of the menu.

4. Guidance

Outline of the current operation on the screen is shown here.

5. Command Buttons

Button to apply and cancel the changes are shown here.

❖ **Apply**

Applies the changes.

❖ **Restore**

Cancel the current settings and returns to the previous applied settings.

❖ **Refresh**

Shows the latest applied settings. (If you click this button while entering the values, the screen returns to the previous applied settings.)

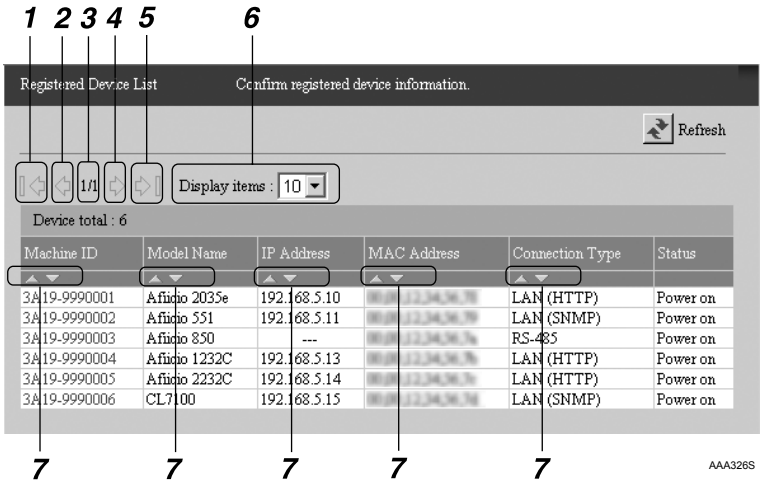
6. Work Area

Items will be shown according to the selected menu in the Menu Area. You can change the white, 3-D effected item.

Reference

See p.38 “About the Chart Screen” for the contents of the chart screen.

About the Chart Screen



1. ⏮

Click to move to the top page. The button appears pale and it will be unable to click if there is only one page or if the current page is the top page.

2. ◀

Click to move to the previous page. The button appears pale and it will be unable to click if there is only one page or if the current page is the top page.

3. Current Page/Total Page

Shows the current page number and the total page number.

4. ▶

Click to move to the next page. The button appears pale and it will be unable to click if there is only one page or if the current page is the last page.

5. ⏭

Click to move to the last page. The button appears pale and it will be unable to click if there is only one page or if the current page is the last page.

6. Display items

This sets the number of the shown items in one page.

7. △▽

Click **[△]** to arrange the records in ascending order. Click **[▽]** to arrange the records in descending order.

4. Registering the Equipment

This chapter shows the procedure to register the equipment using **[RC Gate Registration Wizard]**.

Settings in **[RC Gate Registration Wizard]** differ according to the communication method (E-mail (SMTP) or Internet encryption communication (HTTPS)).

[RC Gate Registration Wizard] button appears when you logged in as RC Gate registrant.

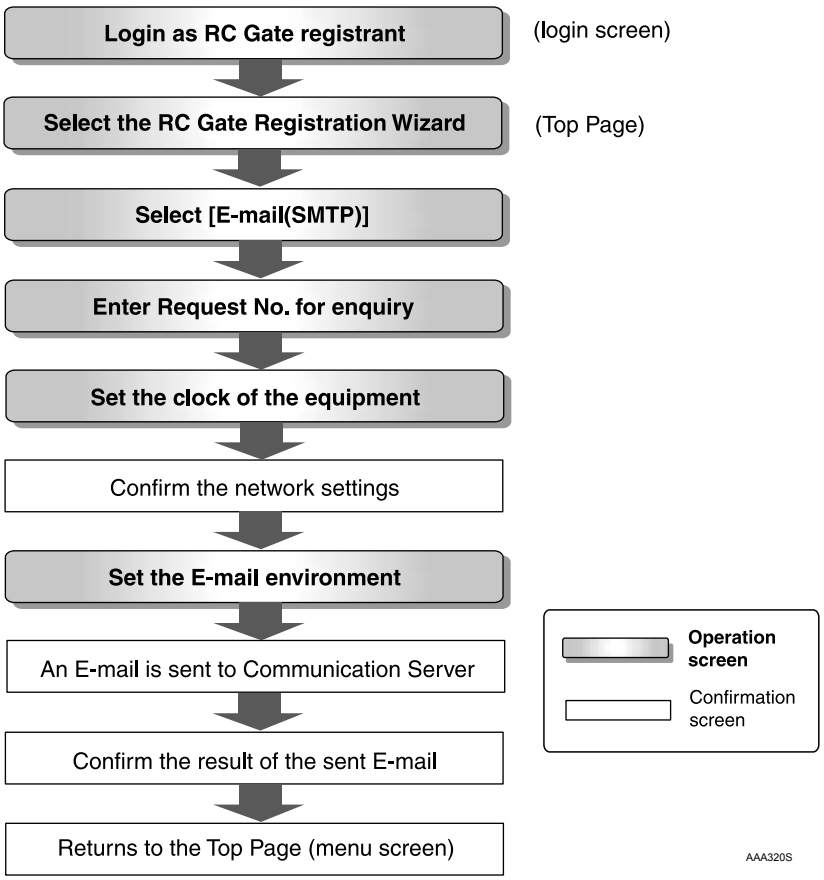
When Registering with the E-mail (SMTP) Method

Outline of the RC Gate Registration Wizard

In this method, enter E-mail information for the equipment. The equipment will send an E-mail to the Communication Server when the equipment is connected in the network. If you enter **[RC Gate registrant E-mail address]**, you will receive a registration result E-mail from the Communication Server.

Preparation

Ask your network administrator for the necessary e-mail settings.



Operating the RC Gate Registration Wizard

1 **Start the web browser. Access the RC Gate Monitor and login as "RC Gate registrant."**

Reference

p.30 "To Start the RC Gate Monitor"

The Top Page for the "RC Gate registrant" will appear.

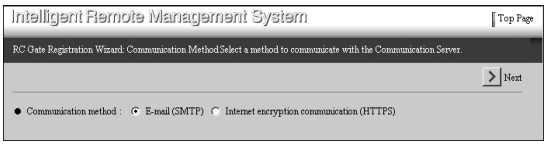
2 **Click [RC Gate Registration Wizard].**

Note

❒ **[RC Gate Registration Wizard]** will not appear if you login as the "RC Gate administrator."

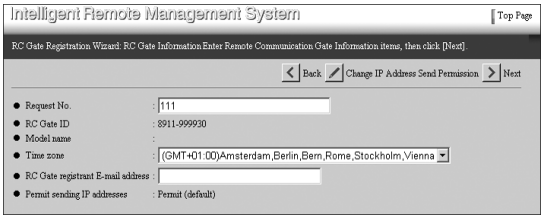
The **[RC Gate Registration Wizard: Communication Method]** screen appears.

3 **Confirm that [E-mail (SMTP)] is selected. Click [Next].**



The **[RC Gate Registration Wizard: RC Gate Information]** screen will appear.

4 **Confirm [Request No.] and [Time zone]. Enter [RC Gate registrant E-mail address] if necessary.**



Note

❒ Confirm the values. The values that you entered when you set the IP address for the equipment are shown.

❖ **Request No.**

This is a required item to be entered.

❖ **Time zone**

Select your region. The value shows the standard time for the region (difference from the Greenwich mean time) where the equipment is set.

Note

❒ The region that you selected when setting the IP address for the equipment is shown.

❖ **RC Gate registrant E-mail address**

This item is optional. The Communication Server will send a result of registration completion by E-mail to this address. By this E-mail, the RC Gate registrant can confirm that the setting is done.

5 **Confirm that [Permit sending IP addresses] is set to [Permit (default)].**

If you need to change the setting to **[Do not permit]**, see p.57 “When Forbidding Sending IP Addresses to the Communication Server”.

❖ **Permit sending IP addresses**

When **[Permit (default)]** is selected, the IP addresses of the equipment and registered devices are sent to the Communication Server.
When **[Do not permit]** is selected, the IP addresses of the equipment and registered devices are not sent to the Communication Server. In this case, a part of the services will be unavailable. For details, see p.57 “When Forbidding Sending IP Addresses to the Communication Server”.

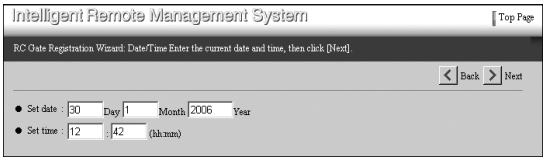
Reference

p.57 “When Forbidding Sending IP Addresses to the Communication Server”

6 **Click [Next].**

[RC Gate Registration Wizard: Date/Time] screen will appear.

7 Enter the date and time. Click [Next].



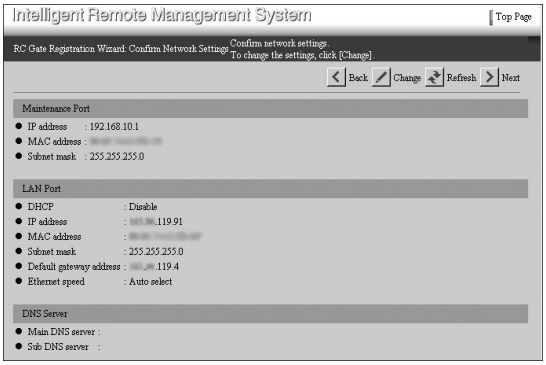
Note

❒ Entered time starts to count when you click **[Next]**.

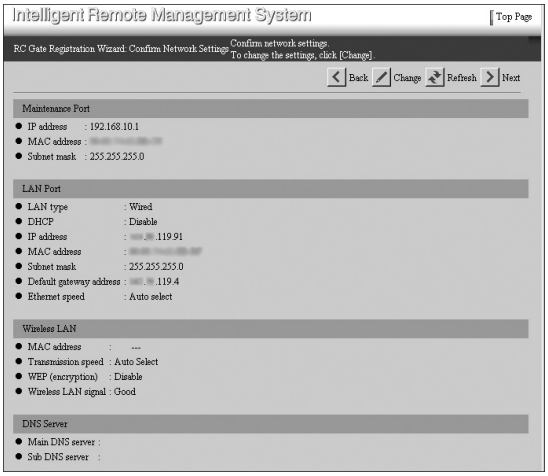
[RC Gate Registration Wizard: Confirm Network Settings] screen will appear.

8 Confirm the network settings. Click [Next].

- When connected by Ethernet cable



- When connected by the Wireless LAN (option)



[RC Gate Registration Wizard: E-mail Settings] screen will appear.

Changing the Network Settings

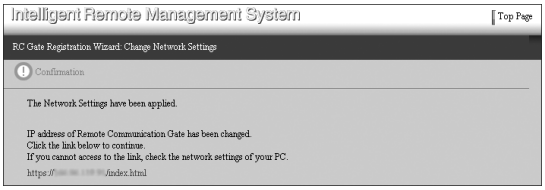
❶ **Click [Change] instead of [Next].**

The **[RC Gate Registration Wizard: Change Network Settings]** screen appears.

❷ **Follow the Steps 15 to 17 in p.17 "Changing the IP Address (LAN2 Port)".**

Note

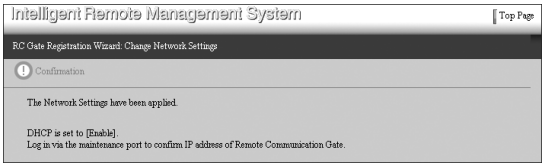
❒ The screen below appears when the IP address of the LAN2 port has been changed. In this case, follow the procedures below.



① Click the URL link on the screen.
The login screen of the RC Gate Monitor appears.

② Login the RC Gate Monitor again as the RC Gate registrant and start from the Step 2.

❒ When **[DHCP]** is set to "Enable", the following screen appears. Follow the procedures below to confirm the IP address given by the DHCP server and proceed to the Step 9.



① Click **[×]** on the web browser to close the web browser.
Procedures to close the web browser may differ according to your operating system and web browser. Proceed according to your environment.

② Disconnect the network cable connecting the LAN2 port of the equipment and the network device such as a HUB.

③ Follow the Steps 1 to 13 of p.17 "Changing the IP Address (LAN2 Port)".
Confirm the IP address of the "LAN Port" group and write it down.

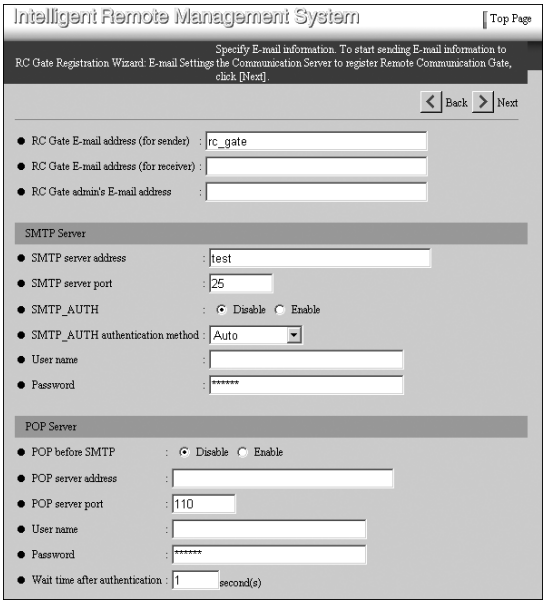
④ Follow the Steps 18 to 21 of p.17 "Changing the IP Address (LAN2 Port)".

⑤ Connect the network cable to the LAN2 port of the equipment to connect with the network device such as a HUB.

⑥ Follow the Steps 1 to 3 of p.30 "To Start the RC Gate Monitor".
Start the RC Gate Monitor using the IP address written down at ③.

⑦ Follow the Steps 1 to 8 of p.41 "Operating the RC Gate Registration Wizard".

9 Enter items from [RC Gate E-mail address (for sender)] to [SMTP server port].



Reference

See p.97 "E-mail" for the details of each item. **[RC Gate E-mail address (for sender)]** and **[SMTP server address]** are required items to be entered.

10 Set the security authentication of your SMTP server.

❖ **For "SMTP_AUTH" Authentication**

Set **[SMTP_AUTH]** to "Enable." Enter items from **[SMTP_AUTH authentication method]** to **[Password]**.

❖ **For "POP before SMTP" Authentication**

Set **[POP before SMTP]** to "Enable." Enter items from **[POP server address]** to **[Wait time after authentication]**.

❖ **No Authentication**

Set **[SMTP_AUTH]** and **[POP before SMTP]** to "Disable."

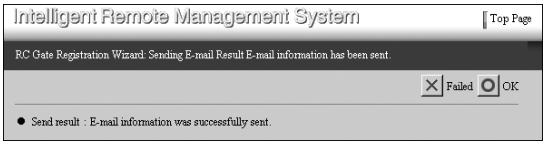
Reference

See p.97 "E-mail" for details of each item.

11 Click [Next].

The equipment will send an E-mail to let the Communication Server know that the registration wizard has finished. **[RC Gate Registration Wizard: Sending E-mail Result]** screen will appear.

⓬ Confirm that "E-mail information was successfully sent." is shown in "Send result." Click [OK].



Note

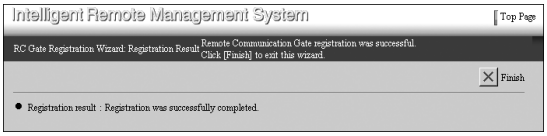
❒ If the equipment fails to send an E-mail to the SMTP server, **[OK]** button will not appear. Click **[Failed]**. Return to the **[RC Gate Registration Wizard: E-mail Settings]** screen and then set the values again.

❒ If you entered **[RC Gate registrant E-mail address]**, the Communication Server will send an E-mail to the **[RC Gate registrant E-mail address]** to notice that the Communication Server has received the E-mail from the equipment. Confirm the E-mail.

❒ If you want to change **[RC Gate registrant E-mail address]**, click **[Failed]** instead of **[OK]**. Return to the **[RC Gate Registration Wizard: E-mail Settings]** screen, and then set the values again.

The **[RC Gate Registration Wizard: Confirmation Result]** screen appears.

⓭ Confirm that "Registration was successfully completed." is shown. Click [Finish].

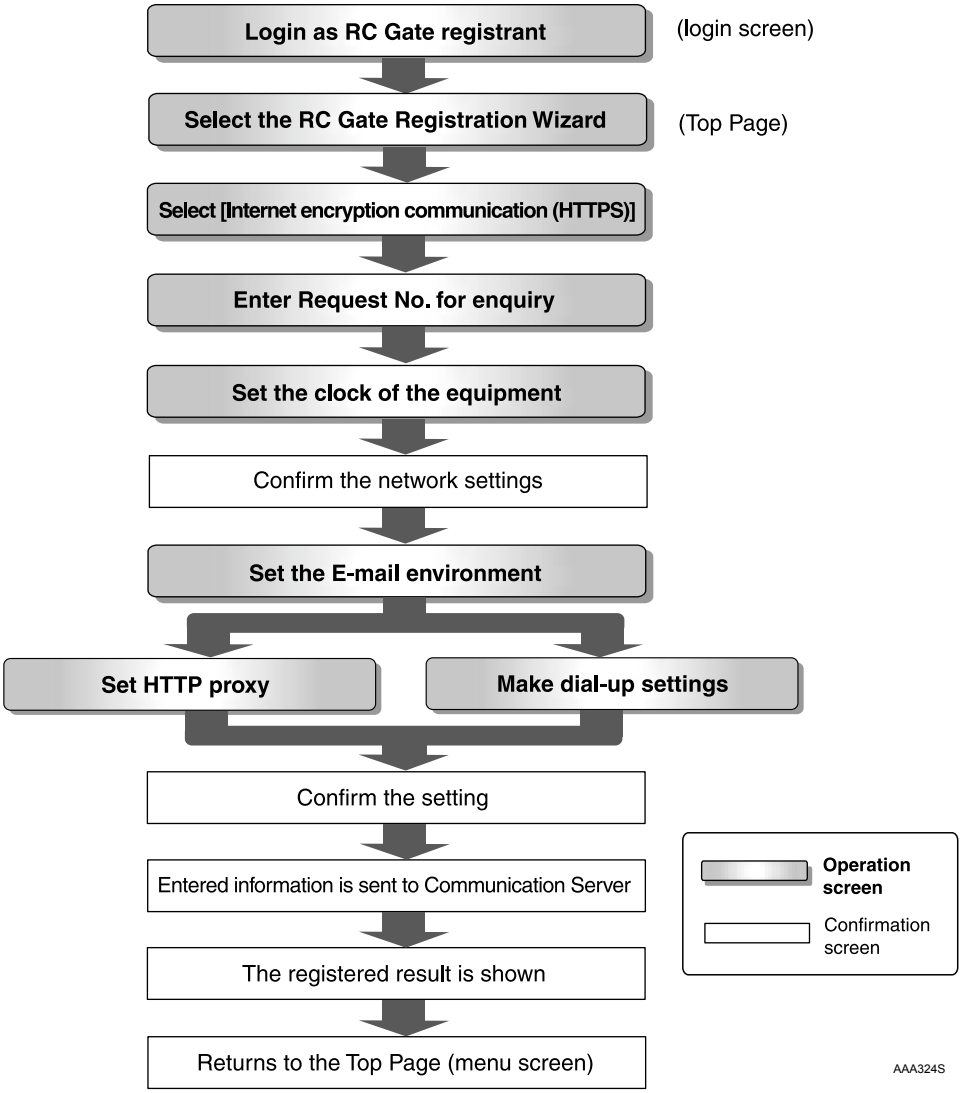


RC Gate Registration Wizard finishes and returns to the Top Page.

When Registering with the Internet encryption communication (HTTPS) Method

Outline of the RC Gate Registration Wizard

This section describes how to make the settings, to register and confirm the equipment to the Communication Server.



Operating the RC Gate Registration Wizard

1 **Start the web browser. Access the RC Gate Monitor and login as "RC Gate registrant."**

Reference

p.30 "To Start the RC Gate Monitor"

Top Page for the "RC Gate registrant" will appear.

2 **Click [RC Gate Registration Wizard].**

Note

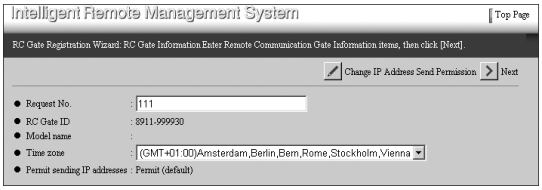
- **[RC Gate Registration Wizard]** will not appear if you login as the "RC Gate administrator."
- If **[RC Gate Registration Wizard]** does not appear even if you logined as "RC Gate registrant", the equipment is already registered to Communication Server.

[RC Gate Registration Wizard: Communication Method] screen will appear.

3 **Select [Internet encryption communication (HTTPS)]. Click [Next].**

The **[RC Gate Registration Wizard: RC Gate Information]** screen will appear.

4 Confirm [Request No.] and [Time zone].



Note

❒ Confirm the values. The values that you entered when setting the IP address for the equipment are shown.

❖ **Request No.**

[Request No.] is required to enter. This number will identify your RC Gate at the Communication Server.

❖ **Time zone**

Select your region. The value shows the standard time for the region (different from the Greenwich mean time) where the equipment is set.

5 Confirm that [Permit sending IP addresses] is set to [Permit (default)].

If you need to change the setting to **[Do not permit]**, see p.57 “When Forbidding Sending IP Addresses to the Communication Server”.

❖ **Permit sending IP addresses**

When **[Permit (default)]** is selected, the IP addresses of the equipment and registered devices are sent to the Communication Server.

When **[Do not permit]** is selected, the IP addresses of the equipment and registered devices are not sent to the Communication Server. In this case, a part of the services will be unavailable. For details, see p.57 “When Forbidding Sending IP Addresses to the Communication Server”.

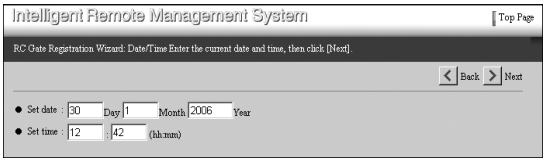
Reference

p.57 “When Forbidding Sending IP Addresses to the Communication Server”

6 Click [Next].

The **[RC Gate Registration Wizard: Date/Time]** screen will appear.

7 Enter the date and time. Click [Next].



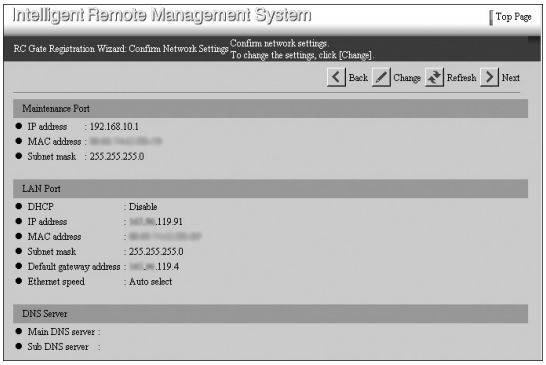
Note

❒ Entered time starts to count when you click **[Next]**.

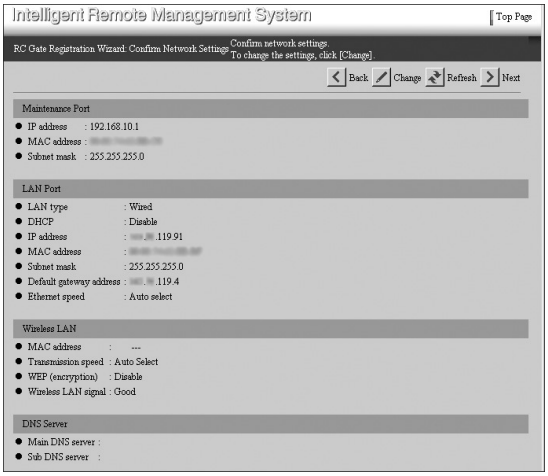
The **[RC Gate Registration Wizard: Confirm Network Settings]** screen will appear.

8 Confirm the network settings. Click [Next].

- When connected by Ethernet cable



- When connected by the Wireless LAN (option)



[RC Gate Registration Wizard: E-mail Settings] screen will appear.

Changing the Network Settings

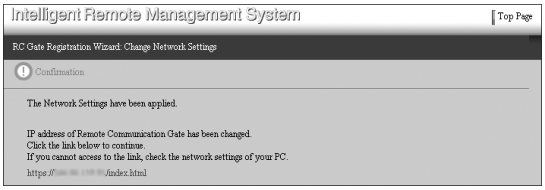
❶ **Click [Change] instead of [Next].**

The **[RC Gate Registration Wizard: Change Network Settings]** screen will appear.

❷ **Follow the Steps 15 to 17 in p.17 "Changing the IP Address (LAN2 Port)".**

Note

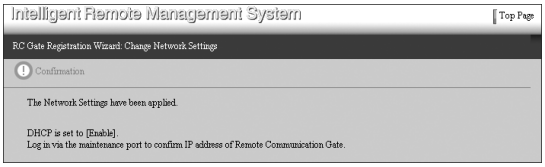
❒ The screen below appears when the IP address of the LAN2 port has been changed. In this case, follow the procedures below.



① Click the URL link on the screen.
The login screen of the RC Gate Monitor appears.

② Login the RC Gate Monitor again as the RC Gate registrant and start from the Step 2.

❒ When **[DHCP]** is set to "Enable", the following screen appears. Follow the procedures below to confirm the IP address given by the DHCP server and proceed to the Step 9.



① Click **[ ]** on the web browser to close the web browser.
Procedures to close the web browser may differ according to your operating system and web browser. Proceed according to your environment.

② Disconnect the network cable connecting the LAN2 port of the equipment and the network device such as a HUB.

③ Follow the Steps 1 to 13 of p.17 "Changing the IP Address (LAN2 Port)".
Confirm the IP address of the "LAN Port" group and write it down.

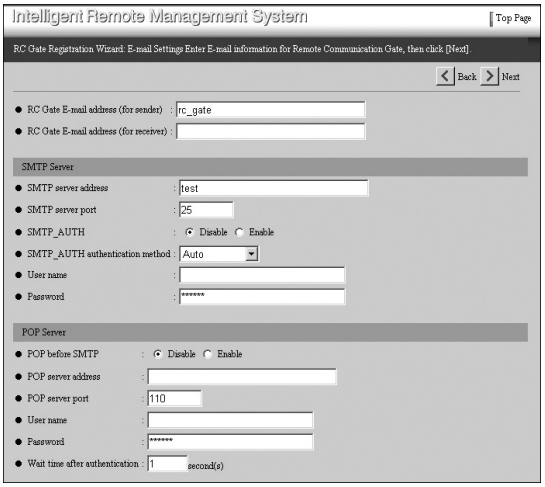
④ Follow the Steps 18 to 21 of p.17 "Changing the IP Address (LAN2 Port)".

⑤ Connect the network cable to the LAN2 port of the equipment to connect with the network device such as a HUB.

⑥ Follow the Steps 1 to 3 of p.30 "To Start the RC Gate Monitor".
Start the RC Gate Monitor using the IP address written down at ③.

⑦ Follow the Steps 1 to 8 of p.48 "Operating the RC Gate Registration Wizard".

9 Enter items from [RC Gate E-mail address (for sender)] to [SMTP server port].



Note

❒ Entering the items on this screen is optional.

❒ The following E-mails will be sent to the RC Gate administrator if the items on this screen are entered.

- Notice: Suspended Device
  This E-mail is sent when the communication between the equipment and registered devices has been suspended.
- Notice: Connection to the Communication Server Suspended
  This E-mail is sent when the communication between the equipment and the Communication Server has been suspended.
- Notice: Reconnected to the Communication Server
  This E-mail is sent when the communication between the equipment and the Communication Server is restored after a suspension.
- Notice: Update Device Firmware
  This E-mail is sent when the firmware of the registered devices is updated and the administrator's check is required.

❒ The **[RC Gate E-mail address (for receiver)]** specifies the destination address to reply to the E-mails from the **[RC Gate E-mail address (for sender)]**.

Reference

See p.97 "E-mail" for the details of each item.

⓾ Set the security authentication of your SMTP server.

❖ **For "SMTP_AUTH" Authentication**
Set **[SMTP_AUTH]** to "Enable." Enter items from **[SMTP_AUTH authentication method]** to **[Password]**.

❖ **For "POP before SMTP" Authentication**
Set **[POP before SMTP]** to "Enable." Enter items from **[POP server address]** to **[Wait time after authentication]**.

❖ **No Authentication**
Set **[SMTP_AUTH]** and **[POP before SMTP]** to "Disable."

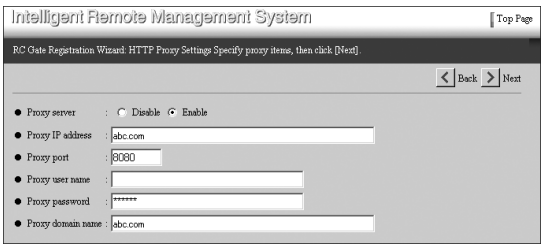
Reference
See p.97 "E-mail" for details of each item.

⓫ Click [Next].

When using Always connected on Type BN1

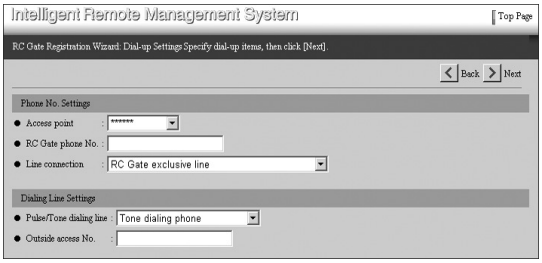
The **[RC Gate Registration Wizard: HTTP Proxy Settings]** screen will appear if you are using your network environment to access the Communication Server.

❶ **If your environment uses a proxy server, set "Enable" for [Proxy server] and enter from [Proxy IP address] to [Proxy password]. If your environment does not use a proxy server, set "Disable" for [Proxy server]. If you use Windows authentication, enter [Proxy domain name] as well. Only NTLMv2 authentication is available.**



When using Dial-up on Type BM1

The **[RC Gate Registration Wizard: Dial-up Settings]** screen will appear if you are using a modem board installed on Remote Communication Gate Type BM1.



❶ Enter [Access point], [RC Gate phone No.] and [Line connection].

❖ **Access point**
Click **[▼]** and select your country or region from the list.

❖ **RC Gate phone No.**
Enter the telephone number for the equipment, starting with your country code number. You can enter the values using numbers, -, #, and *. Enter the telephone numbers in the following format: (country code)-(telephone number).
Example:
The Netherlands: 31-12-3456789
France: 33-1-23-45-67-89

Note

❒ Enter the telephone number of the equipment, not of the access point. This number is required to make calls from the Communication Server to the equipment.

❖ **Line connection**
If the equipment shares a telephone line with a fax, select "RC Gate and fax shared line (RC Gate priority)" or "RC Gate and fax shared line (Fax priority)." If the equipment exclusively uses a telephone line, select "RC Gate exclusive line."

Note

❒ "FAX" interface on the modem board will be enabled when "RC Gate and fax shared line (RC Gate priority)" or "RC Gate and fax shared line (Fax priority)" is selected.

❒ With "RC Gate and fax shared line (RC Gate priority)", the telephone line is not switched to the fax even if fax transmission occurs during communication of the equipment.

❒ With "RC Gate and fax shared line (Fax priority)", the telephone line is switched to the fax if fax transmission occurs during communication of the equipment.

❒ You must enable the dial-tone detection of the fax when you select "RC Gate and fax shared line (Fax priority)."

❷ **Set [Pulse/Tone dialing line] and [Outside access No.].**

❖ **Pulse/Tone dialing line**

Select your line type.

- Tone dialing phone
- Pulse dialing phone (20PPS)
- Pulse dialing phone (10PPS)

❖ **Outside access No.**

When the line is connected to the PBX, enter the numbers and symbols for the external line. If the input is not required, leave it blank.

Note

❒ If a pause is needed between outside access number and the phone number, enter a comma (,). One comma will give a pause for two seconds.

⓬ **Click [Next].**

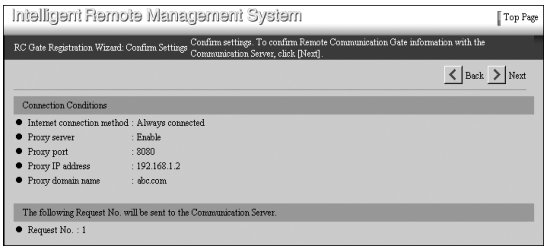
Note

❒ If you click **[Back]** instead of **[Next]**, entered values will be cleared and you will return to the **[RC Gate Registration Wizard: E-mail Settings]** screen.

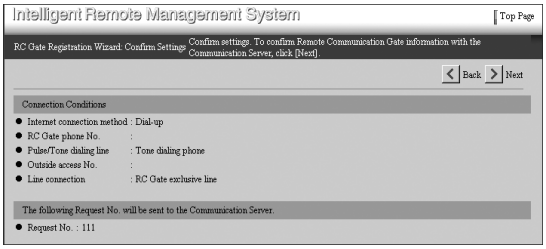
The **[RC Gate Registration Wizard: Confirm Settings]** screen will appear.

⓭ **Confirm the entered values. Click [Next].**

- When using Always connected



- When using Dial-up



Note

❒ Click **[Back]** to make changes. Returns to the **[RC Gate Registration Wizard: RC Gate Information]** screen in **4**.

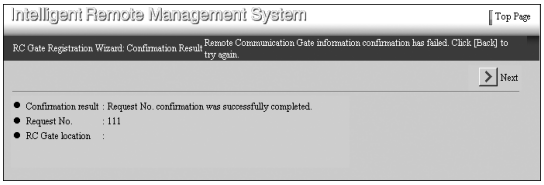
The **[RC Gate Registration Wizard: Confirmation]** screen will appear. The equipment will confirm the entered settings to the Communication Server.

The **[RC Gate Registration Wizard: Confirmation Result]** screen will appear when the confirmation finished.

Note

❒ Confirmation of the Communication Server takes a few minutes. When using "Dial-up", confirmation will take time because the equipment is testing the communication (making and receiving the phone call). Wait until the **[RC Gate Registration Wizard: Confirmation Result]** screen appears.

14 Confirm that "Request No. confirmation was successfully completed." is shown in [Confirmation Result]. Click [Next].



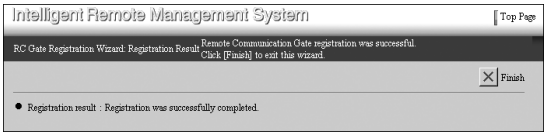
The **[RC Gate Registration Wizard: Registration]** screen will appear. Settings are registered to the Communication Server.

The **[RC Gate Registration Wizard: Registration Result]** screen will appear when the registration is finished.

Note

❒ **[Back]** will appear when the confirmation fails. Click **[Back]** and start the wizard again from **[RC Gate Registration Wizard: RC Gate Information]** in **4**.

15 Confirm that "Registration was successfully completed." is shown in [Registration result]. Click [Finish].



RC Gate Registration Wizard closes and returns to Top Page.

Note

❒ If the confirmation fails, for example, due to the communication error, **[Back]** appears. Click **[Back]** and start again from **[RC Gate Registration Wizard: RC Gate Information]** in **4**.

When Forbidding Sending IP Addresses to the Communication Server

If you forbid sending the IP addresses of the equipment and registered devices to the Communication Server, read carefully and understand the following important information before you change the setting.

Important

- If **[Permit sending IP addresses]** is set to **[Do not permit]**, the data of the equipment and the registered devices can not be migrated. In the event of replacing the equipment due to troubles, you need to register the equipment and the devices again.
- If **[Permit sending IP addresses]** is set to **[Do not permit]**, a part of Auto Discovery function with the "Internet encryption communication (HTTPS)" method will be limited. The Communication Server can not automatically register the device found by Auto Discovery to the equipment even if **[Permit setting of Auto Discovery from Communication Server]** is set to **[Permit]** because the IP addresses are not provided. For details about Auto Discovery, see p.61 "Setting the Auto Discovery" and p.105 "Auto Discovery Settings".
- You can change the setting of **[Permit sending IP addresses]** before completing the registration of the equipment. Once you complete the registration of the equipment, you can not change it.

Reference

p.61 "Setting the Auto Discovery"

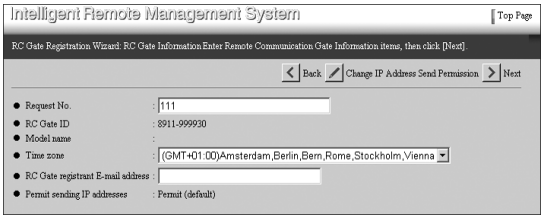
p.105 "Auto Discovery Settings"

When using the "E-mail (SMTP)" Method

1 Follow the Steps 1 to 3 of p.41 "Operating the RC Gate Registration Wizard".

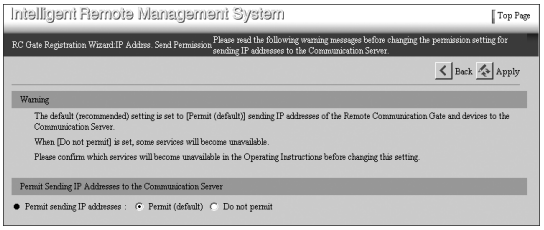
The **[RC Gate Registration Wizard: RC Gate Information]** screen will appear.

2 Click [Change IP Address Send Permission] button.



The **[RC Gate Registration Wizard:IP Addrss. Send Permission]** screen will appear.

3 **Select [Do not permit] for [Permit sending IP addresses].**



Note

❒ Click **[Back]** to return to the **[RC Gate Registration Wizard: RC Gate Information]** screen without changing the setting.

4 **Click [Apply].**

The **[RC Gate Registration Wizard: RC Gate Information]** screen will appear.

5 **Follow the Steps 6 to 13 of p.41 "Operating the RC Gate Registration Wizard".**

Reference

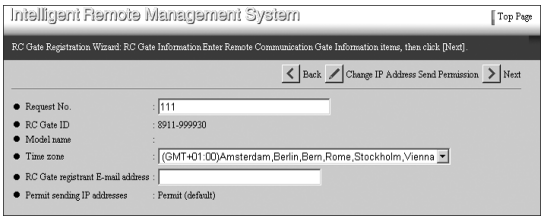
p.41 "Operating the RC Gate Registration Wizard"

When using the "Internet encryption communication (HTTPS)" Method

1 **Follow the Steps 1 to 3 of p.48 "Operating the RC Gate Registration Wizard".**

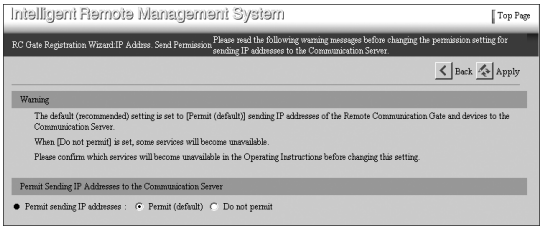
The **[RC Gate Registration Wizard: RC Gate Information]** screen will appear.

2 **Click [Change IP Address Send Permission] button.**



The **[RC Gate Registration Wizard:IP Addrss. Send Permission]** screen will appear.

3 **Select [Do not permit] for [Permit sending IP addresses].**



Note

❒ Click **[Back]** to return to the **[RC Gate Registration Wizard: RC Gate Information]** screen without changing the setting.

4 **Click [Apply].**

The **[RC Gate Registration Wizard: RC Gate Information]** screen will appear.

5 **Follow the Steps 6 to 15 of p.48 "Operating the RC Gate Registration Wizard".**

Reference

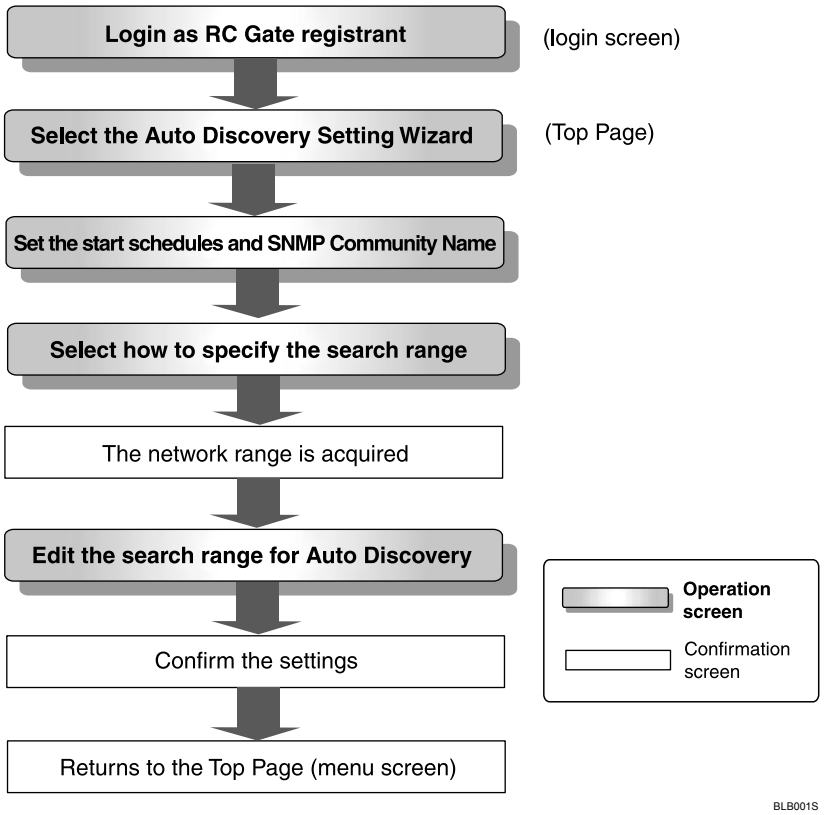
p.48 "Operating the RC Gate Registration Wizard"

5. Setting the Auto Discovery

This chapter shows the procedures to set the equipment to search and collect information of the devices on the network and send it to the Communication Server over a period of time. This is called "Auto Discovery." Make settings for Auto Discovery with **[Auto Discovery Setting Wizard]**.

[Auto Discovery Setting Wizard] appears when you login as the RC Gate registrant, and when **[RC Gate Registration Wizard]** is finished.

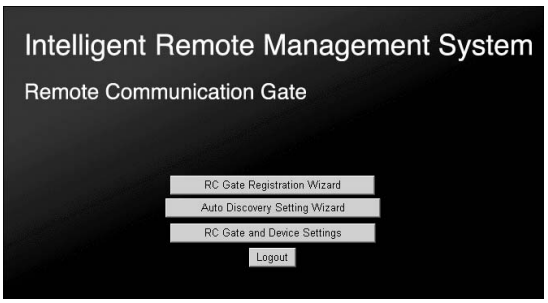
Outline of the Auto Discovery Setting Wizard



Operating the Auto Discovery Setting Wizard

When Specifying Auto Discovery Range by Subnet Mask

1 **Click [Auto Discovery Setting Wizard] from Top Page of RC Gate registrant.**

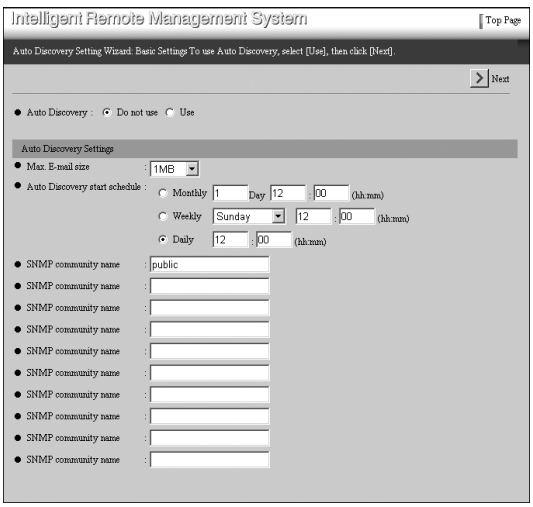


Note

- ❒ If Top Page for RC Gate registrant is not shown, follow the procedures from **1** to **5** of p.30 "To Start the RC Gate Monitor".
- ❒ The illustration shows the screens of the "E-mail (SMTP)" method. Screens differ when in the "Internet encryption communication (HTTPS)" method.
- ❒ **[Auto Discovery Setting Wizard]** will not be shown if **[RC Gate Registration Wizard]** is not finished.
- ❒ If you login as RC Gate administrator, **[Auto Discovery Setting Wizard]** will not be shown.

[Auto Discovery Setting Wizard: Basic Settings] screen will appear.

2 **Select "Use" for [Auto Discovery], and enter and select the items of the "Auto Discovery Settings" group.**



Note

- ❒ See p.105 “Auto Discovery Settings” for the details of each item.
- ❒ Input **[SNMP community name]** in the order of higher usage frequency.
- ❒ Remove **[SNMP community name]** you do not use.
- ❒ The illustration shows the screens of the “E-mail (SMTP)” method. Screens differ when in the “Internet encryption communication (HTTPS)” method.

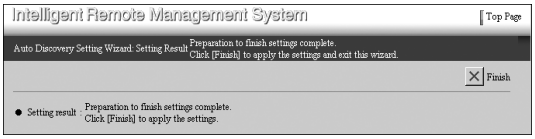
Disabling Auto Discovery

❶ **Select “Do not use” for [Auto Discovery].**

❷ **Click [Next].**

The **[Auto Discovery Setting Wizard: Setting Result]** screen will appear.

❸ **Click [Finish].**

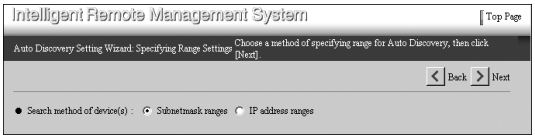


Top Page appears.

3 **Click [Next].**

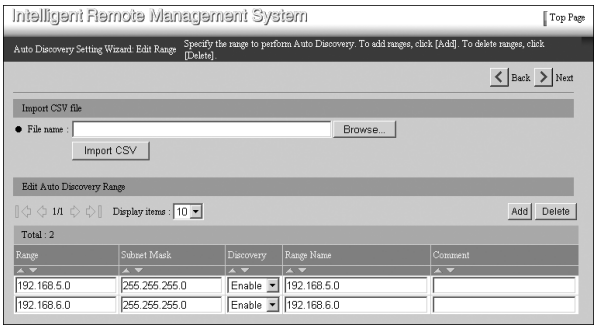
The **[Auto Discovery Setting Wizard: Specifying Range Settings]** screen will appear.

4 **Select [Subnetmask ranges], and click [Next].**



The equipment starts to obtain the address information of the network. The **[Auto Discovery Setting Wizard: Edit Range]** screen will appear when acquisition finishes.

5 **Add the range which the equipment could not automatically obtain, or edit the obtained information.**



❖ **Range and Subnet Mask**

The IP address of the network will be calculated from the AND operation of **[Range]** and **[Subnet Mask]**.

For example, if **[Range]** is set to "192.168.5.0" and **[Subnet Mask]** is set to "255.255.255.192", the search range for Auto Discovery will be 192.168.5.1 to 192.168.5.63.

❖ **Discovery**

If you set "Disable" for this item, information within the search range of the line will not be collected.

❖ **Range Name**

The IP address for **[Range]** is shown when the information is automatically obtained. Enter the range name, for example, the workgroup name, domain name, or the name of your section. You can enter up to 61 characters.

❖ **Comment**

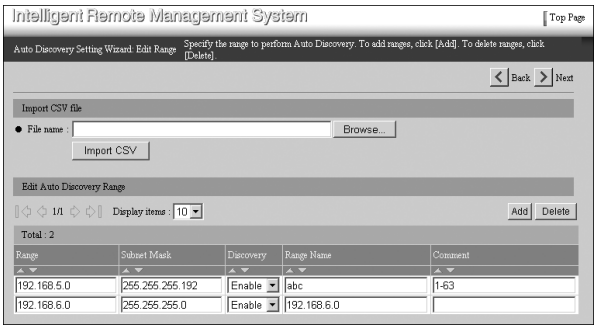
You can enter comments for up to 61 characters.

Example of Editing

This is an example of editing the screen shown on Step **5**. Procedures below show how to change, add and delete the search range.

❶ **Edit the line for the "192.168.5.0" directly to change the search range.**

In this example, change the **[Subnet Mask]** from "255.255.255.0" to "255.255.255.192."



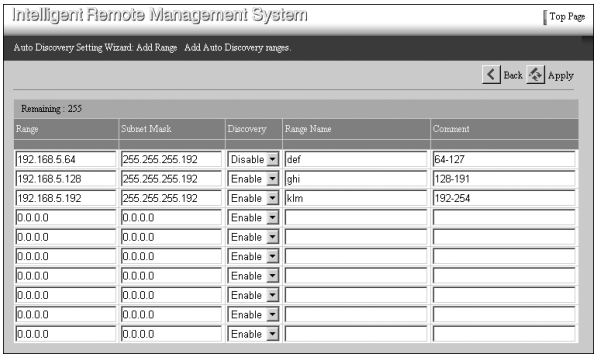
The search range is changed from 192.168.5.1 - 192.168.5.254 to 192.168.5.1 - 192.168.5.63.

❷ **To add a new search range to Auto Discovery, click [Add].**

The **[Auto Discovery Setting Wizard: Add Range]** screen will appear.

❸ **Add the new search range.**

See Step **5** for the detail of each item.



Note

❒ You can add 10 ranges at a time.

❒ If **[Range]** is "0.0.0.0.", the search range will not be added.

❹ **Click [Apply].**

The entered search range will be added. The new **[Auto Discovery Setting Wizard: Add Range]** screen will appear.

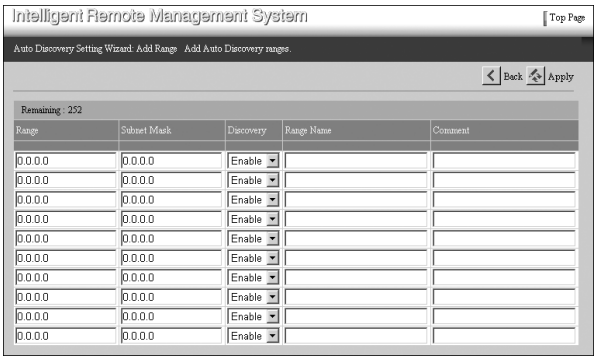
Note

❒ To add another 10 search ranges, repeat from ❸.

❒ You cannot enter the search ranges which are already registered.

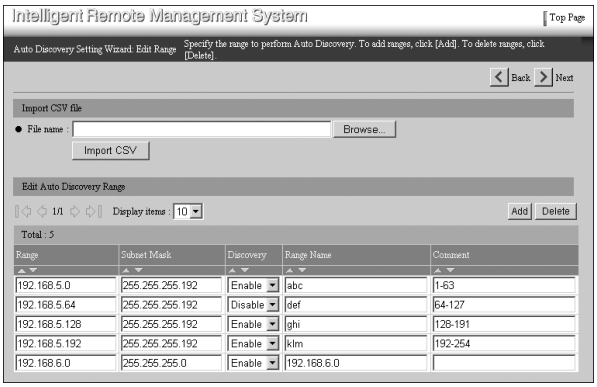
❒ The remaining number of search range that you can add is shown in **[Remaining]**.

❺ **Click [Back].**



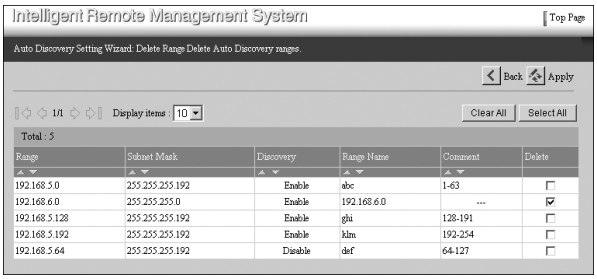
Returns to the **[Auto Discovery Setting Wizard: Edit Range]** screen.

❻ **To delete a search range of Auto Discovery, click [Delete].**



The **[Auto Discovery Setting Wizard: Delete Range]** screen will appear.

❼ **Select the line which you want to delete by checking the [Delete] checkbox.**



Note

❒ Click **[Clear All]** to clear **[Delete]** checkmark of all lines.

❒ Click **[Select All]** to check **[Delete]** checkbox for all of the lines.

❽ **Click [Apply].**

The selected line will be deleted.

Note

❒ If you have more lines to delete, repeat from ❼.

❾ **Click [Back].**

Returns to the **[Auto Discovery Setting Wizard: Edit Range]** screen.

Importing search ranges from a CSV file

To import search ranges from a CSV file stored on your computer, use the screen shown in Step **5**.

To create the CSV file: enter the relevant items of information for **[Range]**, **[Subnet mask]**, **[Discovery]**, **[Range Name]**, and **[Comment]**. You can enter multiple search ranges if necessary. Be sure to separate each item with a comma.

❖ **Example:**

```
192.168.5.0,255.255.255.192,Enable,abc,1-63
192.168.5.64,255.255.255.192,Disable,def,64-127
192.168.5.128,255.255.255.192,Enable,ghi,128-191
192.168.5.192,255.255.255.192,Enable,klm,192-254
192.168.6.1,255.255.255.0,Enable,192.168.6.0,
```

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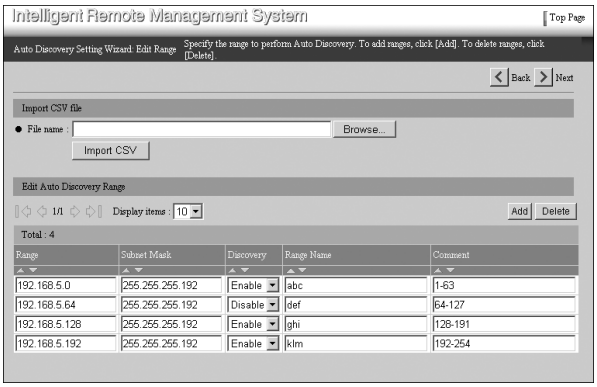
❶ **Click [Browse], locate your CSV file, and then click [Open]. Alternatively, enter the path to your CSV file directly in [File name].**

❷ **Click [Import CSV].**

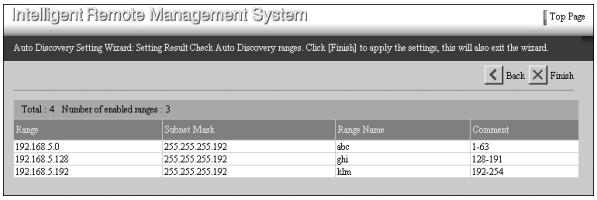
The search ranges will be imported from the CSV file. All previously specified ranges will be deleted.

6 Click [Next].



The **[Auto Discovery Setting Wizard: Setting Result]** screen will appear.

7 Click [Finish].



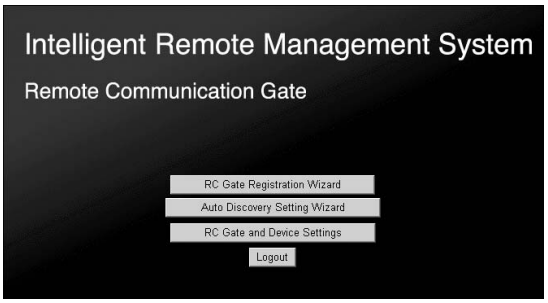
Returns to the Top Page of the RC Gate registrant.

Reference

To close the RC Gate Monitor, see p.35 “To Close the RC Gate Monitor” for details.

When Specifying Auto Discovery Range by IP address

1 **Click [Auto Discovery Setting Wizard] from Top Page of RC Gate registrant.**

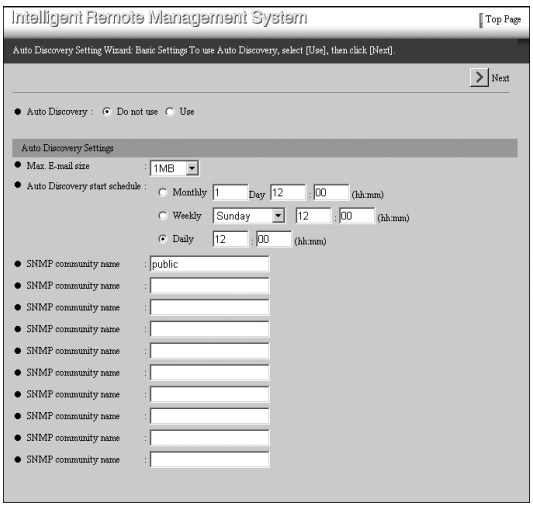


Note

- If Top Page for RC Gate registrant is not shown, follow the procedures from **1** to **5** of p.30 "To Start the RC Gate Monitor".
- The illustration shows the screens of the "E-mail (SMTP)" method. Screens differ when in the "Internet encryption communication (HTTPS)" method.
- **[Auto Discovery Setting Wizard]** will not be shown if **[RC Gate Registration Wizard]** is not finished.
- If you login as RC Gate administrator, **[Auto Discovery Setting Wizard]** will not be shown.

[Auto Discovery Setting Wizard: Basic Settings] screen will appear.

2 **Select "Use" for [Auto Discovery], and enter and select the items of the "Auto Discovery Settings" group.**



Note

- ❒ See p.105 “Auto Discovery Settings” for the details of each item.
- ❒ Input **[SNMP community name]** in the order of higher usage frequency.
- ❒ Remove **[SNMP community name]** you do not use.
- ❒ The illustration shows the screens of the “E-mail (SMTP)” method. Screens differ when in the “Internet encryption communication (HTTPS)” method.

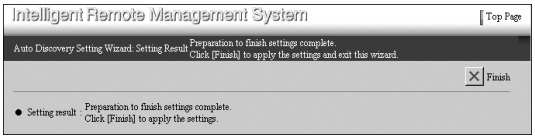
Disabling Auto Discovery

❶ **Select “Do not use” for [Auto Discovery].**

❷ **Click [Next].**

The **[Auto Discovery Setting Wizard: Setting Result]** screen will appear.

❸ **Click [Finish].**

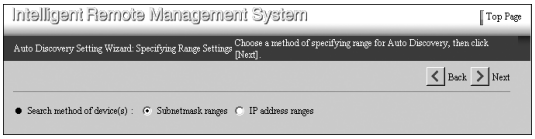


Top Page appears.

3 **Click [Next].**

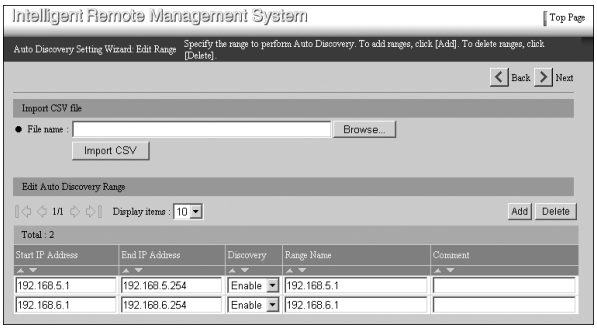
The **[Auto Discovery Setting Wizard: Specifying Range Settings]** screen will appear.

4 **Select [IP address ranges], and click [Next].**



The equipment starts to obtain the address information of the network. The **[Auto Discovery Setting Wizard: Edit Range]** screen will appear when acquisition finishes.

5 **Add the range which the equipment could not automatically obtain, or edit the obtained information.**



❖ **Start IP Address and End IP Address**

Enter the IP address to start and finish in "x.x.x.x" format ("x" stands for any number between 0 to 255).

❖ **Discovery**

If you set "Disable" for this item, information within the search range of the line will not be collected.

❖ **Range Name**

The IP address for **[Start IP Address]** is shown when the information is automatically obtained. Enter the range name, for example, the workgroup name, domain name, or the name of your section. You can enter up to 61 characters.

❖ **Comment**

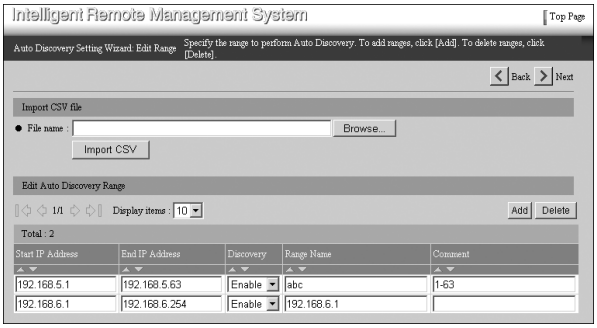
You can enter comments for up to 61 characters.

Example of Editing

This is an example of editing the screen shown on Step **5**. Procedures below show how to change, add and delete the search range.

❶ **Edit the line for the "192.168.5.1" directly to change the search range.**

In this example, change the **[End IP Address]** from "192.168.5.254" to "192.168.5.63."



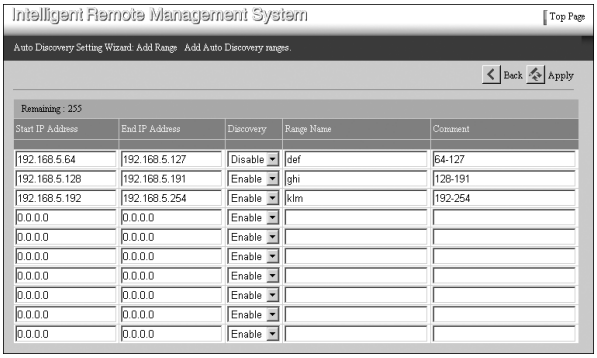
The search range is changed from 192.168.5.1 - 192.168.5.254 to 192.168.5.1 - 192.168.5.63.

❷ **To add a new search range to Auto Discovery, click [Add].**

The **[Auto Discovery Setting Wizard: Add Range]** screen will appear.

❸ **Add the new search range.**

See Step **5** for the detail of each item.



Note

- ❒ You can add 10 ranges at a time.
- ❒ If **[Start IP Address]** is "0.0.0.0.", the search range will not be added.

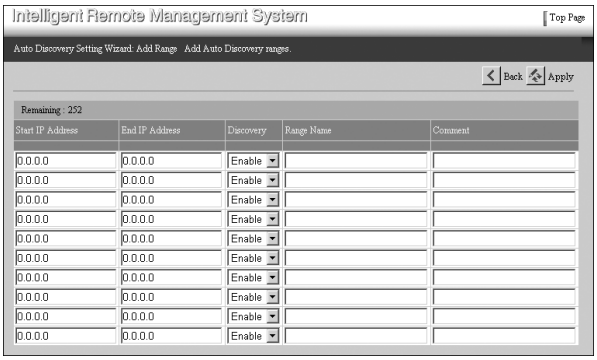
❹ **Click [Apply].**

The entered search range will be added. The new **[Auto Discovery Setting Wizard: Add Range]** screen will appear.

Note

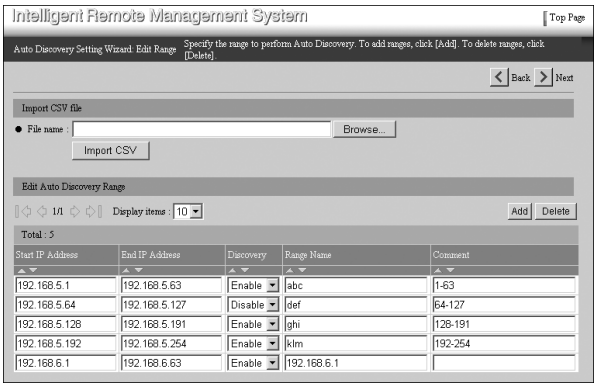
- ❒ To add another 10 search ranges, repeat from ❸.
- ❒ You cannot enter the search ranges which are already registered.
- ❒ The remaining number of search range that you can add is shown in **[Remaining]**.

❺ **Click [Back].**



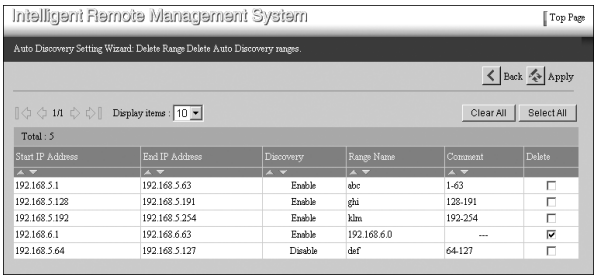
Returns to the **[Auto Discovery Setting Wizard: Edit Range]** screen.

❻ **To delete a search range of Auto Discovery, click [Delete].**



The **[Auto Discovery Setting Wizard: Delete Range]** screen will appear.

❼ **Select the line which you want to delete by checking the [Delete] checkbox.**



Note

❒ Click **[Clear All]** to clear **[Delete]** checkmark of all lines.

❒ Click **[Select All]** to check **[Delete]** checkbox for all of the lines.

❽ **Click [Apply].**

The selected line will be deleted.

Note

❒ If you have more lines to delete, repeat from ❼.

❾ **Click [Back].**

Returns to the **[Auto Discovery Setting Wizard: Edit Range]** screen.

Importing search ranges from a CSV file

To import search ranges from a CSV file stored on your computer, use the screen shown in Step **5**.

To create the CSV file: enter the relevant items of information for **[Start IP Address]**, **[End IP Address]**, **[Discovery]**, **[Range Name]**, and **[Comment]**. You can enter multiple search ranges if necessary. Be sure to separate each item with a comma.

❖ **Example:**

```
192.168.5.1,192.168.5.63,Enable,abc,1-63
192.168.5.128,192.168.5.191,Enable,ghi,128-191
192.168.5.192,192.168.5.254,Enable,klm,192-254
192.168.6.1,192.168.6.63,Enable,192.168.6.0,
192.168.5.64,192.168.5.127,Disable,def,64-127
```

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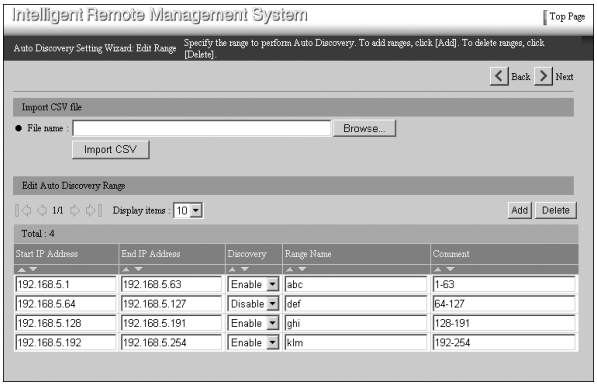
❶ **Click [Browse], locate your CSV file, and then click [Open]. Alternatively, enter the path to your CSV file directly in [File name].**

❷ **Click [Import CSV].**

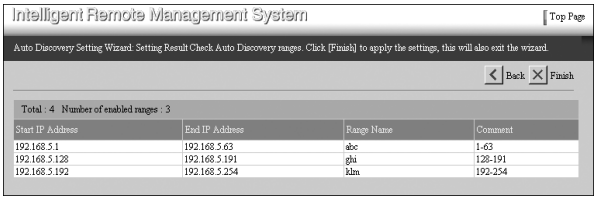
The search ranges will be imported from the CSV file. All previously specified ranges will be deleted.

6 **Click [Next].**



The **[Auto Discovery Setting Wizard: Setting Result]** screen will appear.

7 **Click [Finish].**



Returns to the Top Page of the RC Gate registrant.

Reference

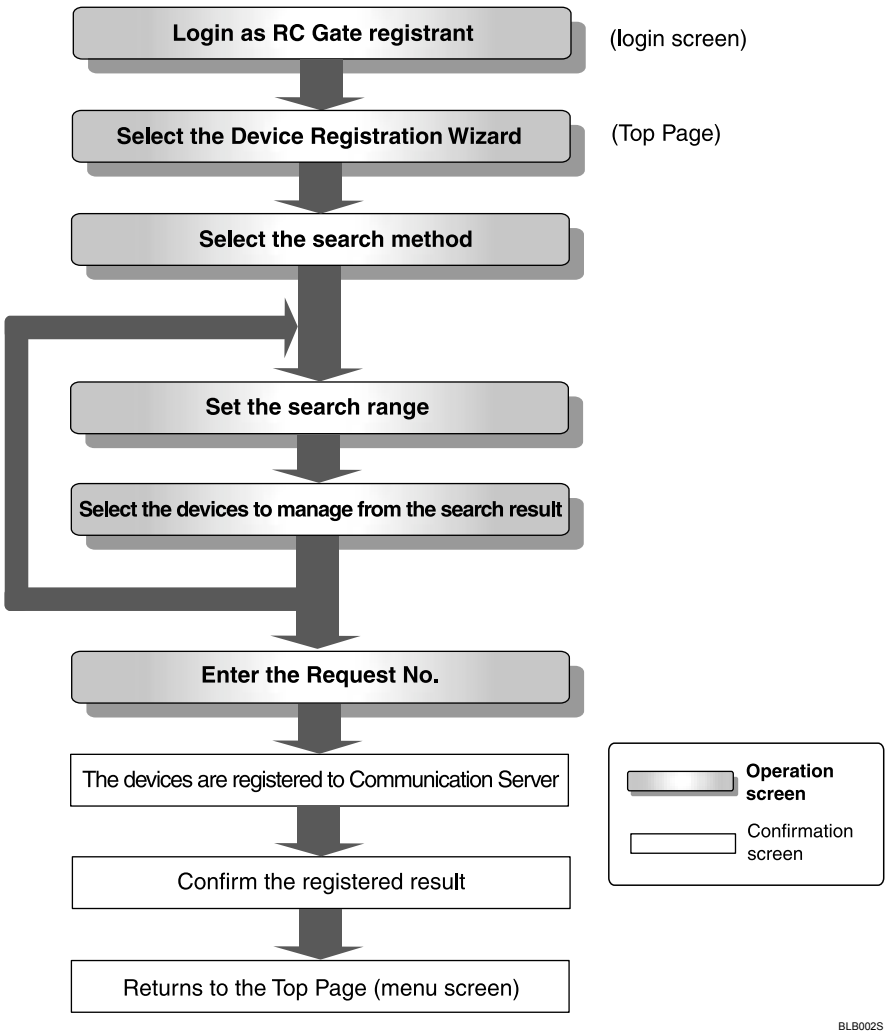
To close the RC Gate Monitor, see p.35 “To Close the RC Gate Monitor” for details.

6. Registering Image I/O Devices to the Communication Server

When in the "Internet encryption communication (HTTPS)" method, use **[Device Registration Wizard]** to register and confirm the managing image I/O devices to the Communication Server.

[Device Registration Wizard] will appear when you login as the RC Gate registrant, and **[RC Gate Registration Wizard]** is finished with the "Internet encryption communication (HTTPS)" method.

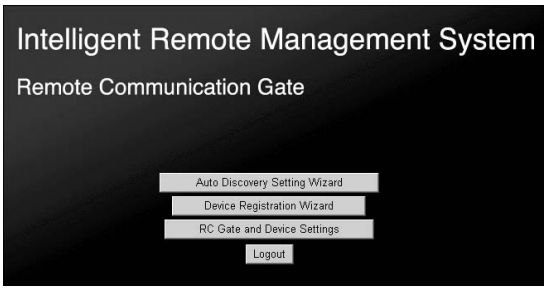
Outline of the Device Registration Wizard



Operating the Device Registration Wizard

Searching for Devices by IP Address

1 **Click [Device Registration Wizard] from the Top Page of the RC Gate registrant.**



Note

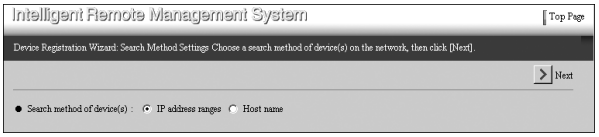
❒ If the Top Page of the RC Gate registrant does not appear, follow the Steps **1** to **5** of p.30 "To Start the RC Gate Monitor".

❒ **[Device Registration Wizard]** will not be shown if **[RC Gate Registration Wizard]** is not finished.

❒ If you login as the RC Gate administrator, **[Device Registration Wizard]** will not be shown.

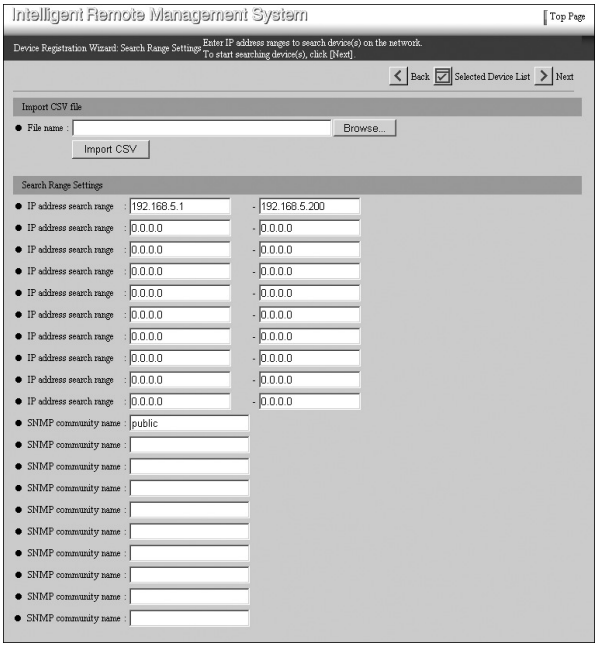
The **[Device Registration Wizard: Search Method Settings]** screen will appear.

2 **Select [IP address ranges], and then click [Next].**



The **[Device Registration Wizard: Search Range Settings]** screen will appear.

3 **To find the image I/O devices to manage, enter [IP address search range] or [SNMP community name].**



❖ **IP address search range**

Enter to set the managing image I/O devices connected to network. Enter the IP address to start and finish in "x.x.x.x" format ("x" stands for any number between 0 to 255).

Note

- ❒ The image I/O devices connected by RS-485 are searched regardless of the entered IP address range.
- ❒ If the IP address of the managing image I/O devices connected to the network is already defined, enter the IP address on both starting (the left side box) and finishing (the right side box) IP address box. This will shorten the search time.
- ❒ Enter larger values for finishing the IP address (the right side box) than the starting (the left side box) IP address. An error will occur if you enter a larger value for starting the IP address than finishing the IP address.
- ❒ If you set "0.0.0.0" for the finishing address, the range of IP address on the line will not be searched.
- ❒ An error will occur if you set values other than "0.0.0.0" to the finishing IP address, and "0.0.0.0" for the starting IP address.

❖ **SNMP community name**

Enter SNMP community name within thirty characters to search for SNMP correspondent devices with **[IP address search range]**.

Note

- ❒ Leave the item blank if the managing devices are only HTTP correspondent devices and RS-485 connected devices.
- ❒ The SNMP community name works as a "password" when the equipment tries to access the SNMP correspondent devices. See the operating instructions for each device for details.
- ❒ Input **[SNMP community name]** in the order of higher usage frequency.
- ❒ Remove **[SNMP community name]** you do not use.

Limitation

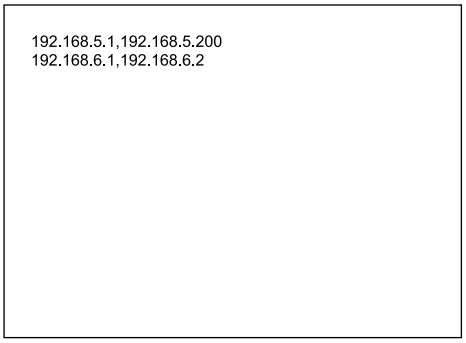
- ❒ You can set 10 search ranges at a time. To search for more than 10 ranges, click **[Additional Search]** in 6 and repeat the searching and selecting. Click **[Selected Device List]** to show devices which have already been searched and selected.
- ❒ The equipment can manage a maximum of 100 devices.

Importing search ranges from a CSV file

To import search ranges from a CSV file stored on your computer, use the screen shown in Step 3.

To create the CSV file: enter the starting IP address and the finishing IP address. You can enter multiple search ranges if necessary. Be sure to separate each address with a comma.

❖ **Example:**



❶ **Click [Browse], locate your CSV file, and then click [Open]. Alternatively, enter the path to your CSV file directly in [File name].**

❷ **Click [Import CSV].**

The search ranges will be imported from the CSV file. All previously specified ranges will be deleted.

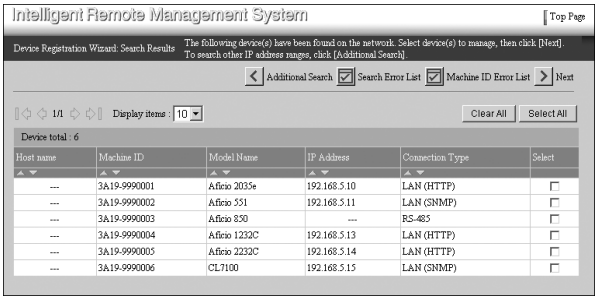
4 Click [Next].

Note

❒ **[Selected Device List]** window will be closed automatically.

[Device Registration Wizard: Search Results] will appear after the **[Device Registration Wizard: Search]** screen and the completion of searching.

5 Check the [Select] checkbox of the line for the device you want to manage.



Note

❒ The **[Select]** checkbox masked in grey indicates that the device has been already registered to the Communication Server.

❒ When you search and select more than one time and the current search range includes the previous search range, the devices checked in the previous search will appear with checked in **[Select]** checkbox. Clear the checkmark if you do not want to manage the device.

❒ Click **[Select All]** to select all devices including the devices which are not on the current page.

❒ Click **[Clear All]** to clear the selection of all devices including the devices which are not on the current page.

❒ Click **[Machine ID Error List]** to display the **[Device Registration Wizard: Machine ID Error List]** screen on another window. This screen shows the IP Address, MAC Address, Model Name, Connection Type of the devices for which the equipment could not identify the Machine ID.

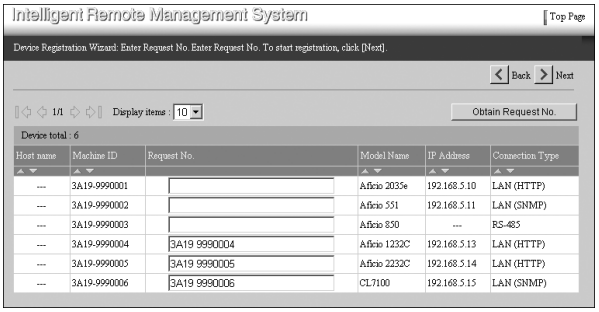
6 Click [Next].

Note

❒ To repeat searching and selecting of devices, click **[Additional Search]** instead of **[Next]**. The screen returns to **[Device Registration Wizard: Search Range Settings]**, and you can search for the devices by changing the values.

The **[Device Registration Wizard: Prepare Registration]** screen will appear. When the equipment is ready, the **[Device Registration Wizard: Enter Request No.]** screen will appear.

7 Click [Obtain Request No.].



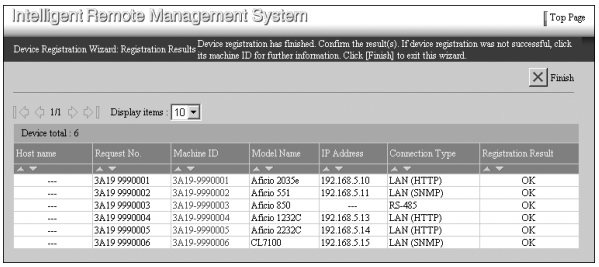
Note

❒ **[Request No.]** are set for all devices controlled, including the pages not being displayed on the screen. There is no re-setting of the number for the devices for which the numbers are already set.

8 Click [Next].

A **[Device Registration Wizard: Registration Results]** screen will appear after the devices are registered to the Communication Server.

9 Confirm the registered items.



Note

❒ Click **[△]** under **[Registration Result]** to sort in order of "Failed" and "OK."

❒ If "Failed" is displayed in the **[Registration Result]**, device registration has failed. Click **[Machine ID]** of a device whose result is "Failed". The **[Device Registration Wizard: Details]** screen appears in a separate window, and a solution is displayed in the **[Registration result]**. Alternatively, you can find instructions by referring to the error code.

❒ The device with the "OK" hyperlink in the **[Confirmation Result]** is the one which has succeeded to register. Click Machine ID to open the **[Device Registration Wizard: Details]** screen on another window. After checking, click the **[Close]** button, and then return to the **[RC Gate Registration Wizard: Registration Result]** screen.

10 Click [Finish].

Returns to the Top Page of RC Gate registrant.

Reference

To close the RC Gate Monitor, see p.35 "To Close the RC Gate Monitor" for details.

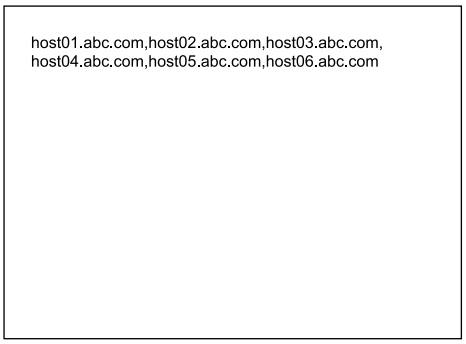
Searching for Devices by Host Name

Preparation

To search for devices by specifying host names, you must save the host names in a CSV file beforehand.

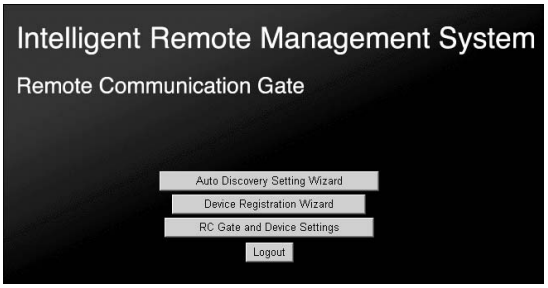
To create the CSV file: enter the host names you want to use for searches. Be sure to separate each host name with a comma.

❖ **Example:**



BLB006S

1 **Click [Device Registration Wizard] from the Top Page of the RC Gate registrant.**



Note

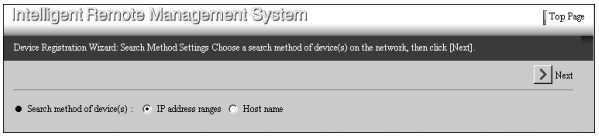
❒ If the Top Page of the RC Gate registrant does not appear, follow the Steps **1** to **5** of p.30 "To Start the RC Gate Monitor".

❒ **[Device Registration Wizard]** will not be shown if **[RC Gate Registration Wizard]** is not finished.

❒ If you login as the RC Gate administrator, **[Device Registration Wizard]** will not be shown.

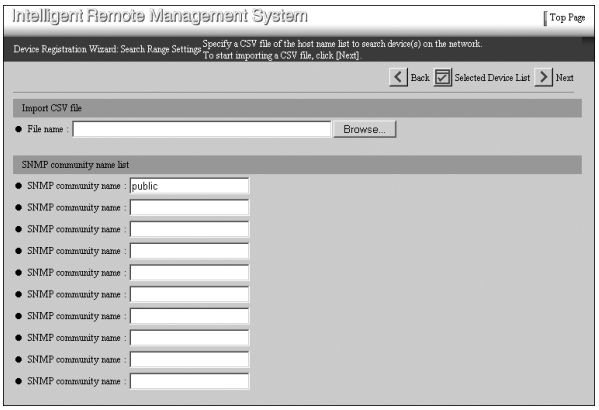
The **[Device Registration Wizard: Search Method Settings]** screen will appear.

2 **Select [Host name], and then click [Next].**



The **[Device Registration Wizard: Search Range Settings]** screen will appear.

3 **Click [Browse], locate your CSV file, and then click [Open]. Alternatively, enter the path to your CSV file directly in [File name].**



4 **Enter [SNMP community name] if required, and then click [Next].**

A list of host names imported from the CSV file appears.

Note

❒ The image I/O devices connected by RS-485 are searched regardless of the entered host names.

❖ **SNMP community name**

Enter SNMP community name within thirty characters.

Note

❒ Leave the item blank if the managing devices are only HTTP correspondent devices and RS-485 connected devices.

❒ The SNMP community name works as a "password" when the equipment tries to access the SNMP correspondent devices. See the operating instructions for each device for details.

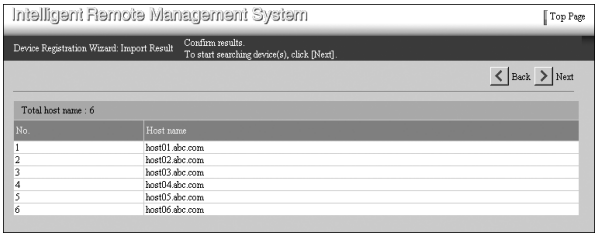
❒ Input **[SNMP community name]** in the order of higher usage frequency.

❒ Remove **[SNMP community name]** you do not use.

Limitation

❒ The equipment can manage a maximum of 100 devices.

5 Click [Next].

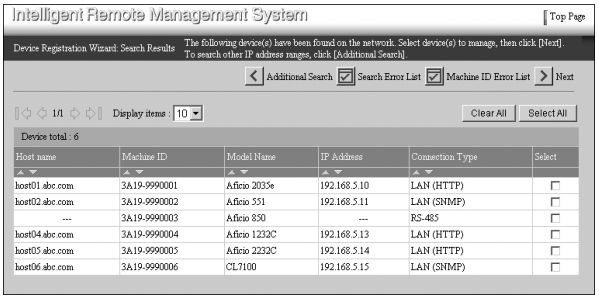


Note

❒ **[Selected Device List]** window will be closed automatically.

[Device Registration Wizard: Search Results] will appear after the **[Device Registration Wizard: Search]** screen and the completion of searching.

6 Check the [Select] checkbox of the line for the device you want to manage.



Note

❒ The **[Select]** checkbox masked in grey indicates that the device has been already registered to the Communication Server.

❒ When you search and select more than one time and the current search range includes the previous search range, the devices checked in the previous search will appear with checked in **[Select]** checkbox. Clear the checkmark if you do not want to manage the device.

❒ Click **[Select All]** to select all devices including the devices which are not on the current page.

❒ Click **[Clear All]** to clear the selection of all devices including the devices which are not on the current page.

❒ Click **[Machine ID Error List]** to display the **[Device Registration Wizard: Machine ID Error List]** screen on another window. This screen shows the IP Address, MAC Address, Model Name, Connection Type of the devices for which the equipment could not identify the Machine ID.

❒ Click **[Search Error List]** to display the **[Device Registration Wizard: Search Error List]** screen in another window. This screen shows the host names that were not found.

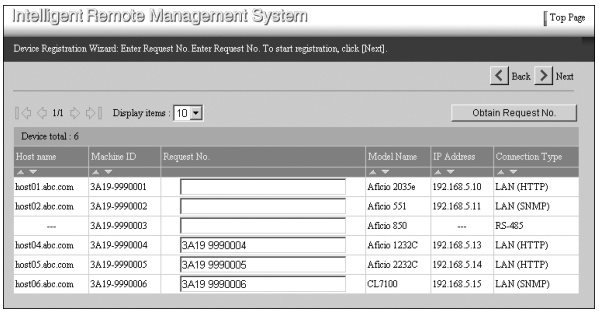
7 Click [Next].

Note

❒ To repeat searching and selecting of devices, click **[Additional Search]** instead of **[Next]**. The screen returns to **[Device Registration Wizard: Search Range Settings]**, and you can search for the devices by changing the values.

The **[Device Registration Wizard: Prepare Registration]** screen will appear. When the equipment is ready, the **[Device Registration Wizard: Enter Request No.]** screen will appear.

8 Click [Obtain Request No.].



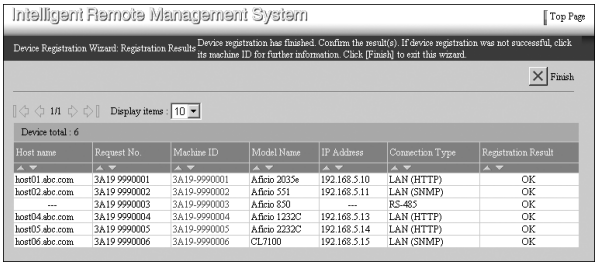
Note

❒ **[Request No.]** are set for all devices controlled, including the pages not being displayed on the screen. There is no re-setting of the number for the devices for which the numbers are already set.

9 Click [Next].

A **[Device Registration Wizard: Registration Results]** screen will appear after the devices are registered to the Communication Server.

⑩ Confirm the registered items.



Note

- ❒ Click **[△]** under **[Registration Result]** to sort in order of "Failed" and "OK."
- ❒ If "Failed" is displayed in the **[Registration Result]**, device registration has failed. Click **[Machine ID]** of a device whose result is "Failed". The **[Device Registration Wizard: Details]** screen appears in a separate window, and a solution is displayed in the **[Registration result]**. Alternatively, you can find instructions by referring to the error code.
- ❒ The device with the "OK" hyperlink in the **[Confirmation Result]** is the one which has succeeded to register. Click Machine ID to open the **[Device Registration Wizard: Details]** screen on another window. After checking, click the **[Close]** button, and then return to the **[RC Gate Registration Wizard: Registration Result]** screen.

⑪ Click [Finish].

Returns to the Top Page of RC Gate registrant.

Reference

To close the RC Gate Monitor, see p.35 "To Close the RC Gate Monitor" for details.

7. Configuring the Details of the Registered Information

You can change and confirm the settings from **[RC Gate and Device Settings]** on the Top Page. Also, you can configure the information of each of the managed devices. You can reboot, confirm access and communication logs from this button.

Menus and the screens for **[RC Gate and Device Settings]** differ when you select E-mail (SMTP) or Internet encryption communication (HTTPS) as the Communication method. Menus and the screens also differ depending on whether are has logged in as "RC Gate administrator" or "RC Gate registrant."

RC Gate and Device Settings Screen and Access Authority

When using the "E-mail (SMTP)" method

The list below shows the menu and the access authority when you click **[RC Gate and Device Settings]**. This list shows the case when the Communication method used is "E-mail (SMTP)."

Consider "RC Gate administrator" as "Admin", "RC Gate registrant" as "Registrant" in the list below.

Main Menus	Screen Names	Outline	Admin	Registrant
RC Gate Settings	Basic	Shows the details of the equipment.	✓	✓
	Date/Time	Adjusts the clock inside the equipment.	✓	✓
	Network	Sets the network for the equipment.	✓	✓
	E-mail	Sets the E-mail for the equipment.	✓	✓
	Communication Method	Shows the method to send the collected information to the Communication Server.	✓	✓
Auto Discovery	Auto Discovery Settings	Sets basic items for Auto Discovery. e.g.; performing period	✓	✓
	Edit Auto Discovery Range	Sets the range for performing Auto Discovery.	✓	✓
	Auto Discovery Settings by Specifying Range	Sets the method for specifying the Auto Discovery range.	✓	✓

Main Menus	Screen Names	Outline	Admin	Registrant
Maintenance	Restart RC Gate	Rebooting the equipment.	-	✓
	Shut Down RC Gate	Shuts down the equipment.	✓	✓
	Service Call	Shows the substance of the errors.	✓	✓
Security	Password	Changing the password for logging on the RC Gate Monitor.	✓	✓
	Permissions	Limits the login of the customer engineer.	✓	-
	Access Log	Shows the access logs to the RC Gate Monitor.	✓	✓
	Format RC Gate	Deletes all of the settings and returns the equipment to the factory default value.	✓	-

✓: Shown -: Not Shown

When using the "Internet encryption communication (HTTPS)" Method

The list below shows the menu and the access authority when you click **[RC Gate and Device Settings]**. This list shows the case when the Communication method used is "Internet encryption communication (HTTPS)."

Consider "RC Gate administrator" as "Admin", "RC Gate registrant" as "Registrant" in the list below.

Main Menus	Sub Menus	Screen Names	Outline	Admin	Registrant
RC Gate Settings		Basic	Shows the details of the equipment.	✓	✓
		Date/Time	Adjusts the clock inside the equipment.	✓	✓
		Network	Sets the network for the equipment.	✓	✓
		E-mail	Sets the E-mail for the equipment.	✓	✓
		Communication Method	Shows the method to send the collected information to the Communication Server.	✓	✓
	Net Connection Settings	Connection Details	Sets HTTP proxy on Type BN1. Sets Dial-up for Type BM1.	✓	✓
Auto Discovery		Auto Discovery Settings	Sets basic items for Auto Discovery, e.g.; performing period	✓	✓
		Edit Auto Discovery Range	Sets the range for performing Auto Discovery.	✓	✓
		Auto Discovery Settings by Specifying Range	Sets the method for specifying the Auto Discovery range.	✓	✓

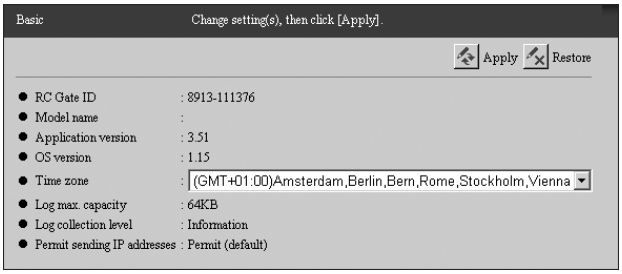
Main Menus	Sub Menus	Screen Names	Outline	Admin	Registrant
Device Management		Common Management	Shows settings common to all devices managed by the equipment.	✓	✓
		Registered Device List	Displays the information of the devices managed by the equipment. Click **[Machine ID]** of the displayed device. The **[Details]** screen appears.	✓	✓
		Update Device Firmware	When a notice comes from the Communication Server, updates the firmware of the devices managed by the equipment.	✓	✓
Maintenance		Restart RC Gate	Reboots the equipment.	-	✓
		Shut Down RC Gate	Shuts down the equipment.	✓	✓
	Communication Server Calls	Service Test Call	Tests communications with the Communication Server.	-	✓
		Device Check Req. Call	Tests communications with the Communication Server and sends the results to the Communication Server.	✓	✓
		Communication Log	Shows the communication log with the Communication Server.	✓	✓
		Service Call	Shows the substances of the errors.	✓	✓
		System Status	Shows the system status of the equipment.	✓	✓
Security		Password	Changes the password for logging on the RC Gate Monitor.	✓	✓
		Permissions	Limits the login of the customer engineer and updates the device firmware from the Communication Server.	✓	-
		Access Log	Shows the access logs to RC Gate Monitor.	✓	✓

✓: Shown -: Not Shown

Basic

When using the “E-mail (SMTP)” Method

You can confirm the basic information of the equipment. Click **[RC Gate Settings]** - **[Basic]** to show the screen.

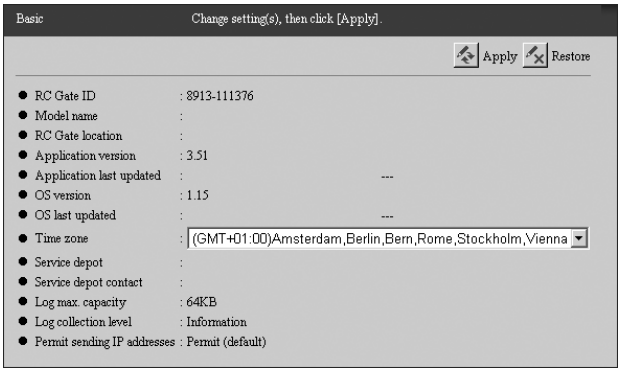


Items	Descriptions	Admin	Registrant
RC Gate ID	A serial number to identify the equipment. A unique ID is set to each equipment.	†	†
Model name	A model name for the equipment.	†	†
Application version	The current application version of the equipment.	†	†
OS version	The current operating system version of the equipment.	†	†
Time zone	The standard time of the place where the equipment is set. (Time difference from the Greenwich mean time is set.)	❍	❍
Log max. capacity	The maximum value of the log file which the equipment collects.	-	†
Log collection level	The log level which the equipment collects. Levels are; Errors, Warnings, Operation, Information	-	†
Permit sending IP addresses	The current condition if sending the IP addresses of the equipment and the registered devices to the Communication Server is permitted or not.	†	†

-: Not Shown †: Confirmation Only ❍: Able to change

When using the “Internet encryption communication (HTTPS)” Method

You can confirm the basic information of the equipment. Click **[RC Gate Settings]** - **[Basic]** to show the screen.



Items	Descriptions	Admin	Registrant
RC Gate ID	A serial number to identify the equipment. A unique ID is set to each equipment.	†	†
Model name	A model name for the equipment.	†	†
RC Gate location	A place/section where the equipment is set.	†	†
Application version	Software that is built into the equipment.	†	†
Application last updated	The date the built-in software was most recently updated.	†	†
OS version	The current operating system version of the equipment.	†	†
OS last updated	The latest date and time of the operating system update for the equipment.	†	†
Time zone	The standard time of the place where the equipment is set. (Time difference from the Greenwich mean time is set.)	❍	❍
Service depot	The service depot of the equipment.	†	†
Service depot contact	The phone number of the service depot.	†	†
Log max. capacity	The maximum value of the log file which the equipment collects.	-	†
Log collection level	The log level which the equipment collects. Levels are Errors, Warnings, Operation, Information	-	†
Permit sending IP addresses	The current condition if sending the IP addresses of the equipment and the registered devices to the Communication Server is permitted or not.	†	†

-: Not Shown †: Confirmation Only ❍: Able to change

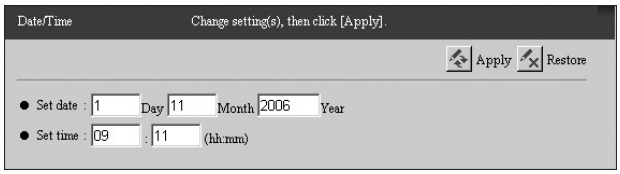
Date/Time

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can confirm and change the clock of the equipment. Click **[RC Gate Settings]** - **[Date/Time]** to show the screen. The confirmation dialog appears when you click **[Apply]**. The clock starts to count when you click **[OK]**.

Important

❒ Check the time and date regularly, and correct these if necessary.



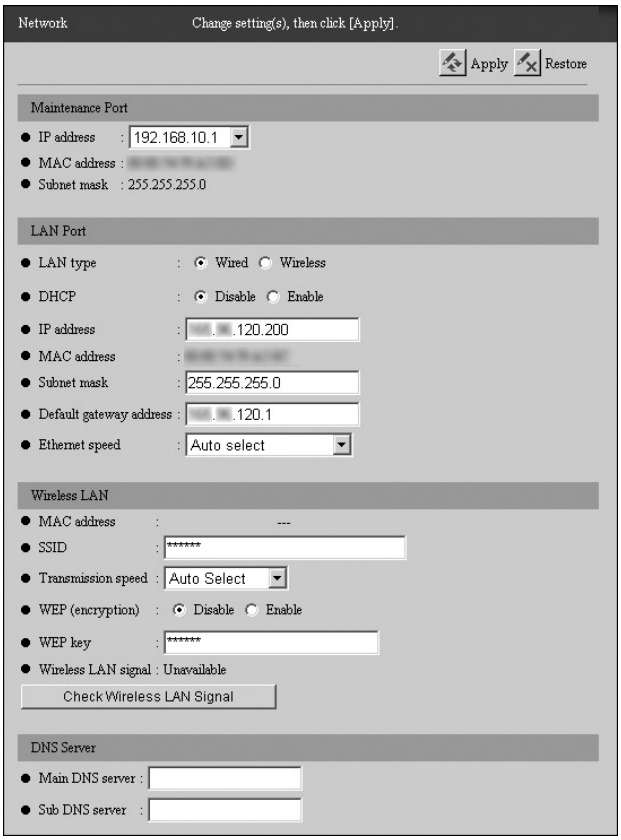
Items	Descriptions	Admin	Registrant
Set date	Set the current date of the place where the equipment is set. Set it to today.	❍	❍
Set time	Set the current time of the place where the equipment is set. Set it to now.	❍	❍

❍: Able to Change

Network

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can change and confirm the network settings for the equipment. Click **[RC Gate Settings]** - **[Network]** to show the screen. After changing the values, click **[Apply]**. A confirmation dialog to change the settings will appear. Click **[OK]** to change the settings. (The illustration shows the screen with the wireless LAN option.)



Groups	Items	Descriptions	Admin	Registrant
Maintenance Port	IP address	An IP address for the LAN1 port. If you cannot use 192.168.10.1 for the LAN1 port in your environment, it is possible to change it to 192.168.1.1 or 192.168.250.1.	†	❍
	MAC address	A MAC address for the LAN1 port.	†	†
	Subnet mask	A subnet mask for the LAN1 port.	†	†
LAN Port	LAN type *1	Select Wired or Wireless when using the optional Wireless LAN board.	❍	❍
	DHCP	Select "Enable" for the environment using the DHCP server.	❍	❍
	IP address	An IP address for the equipment (LAN2 port). If "Enable" is selected for the DHCP, an IP address which the DHCP server assigned will be shown.	❍	❍
	MAC address	A MAC address of the equipment (LAN2 port).	†	†
	Subnet mask	A subnet mask for the equipment. If "Enable" is selected for the DHCP, a subnet mask which the DHCP server assigned will be shown.	❍	❍
	Default gateway address	A gateway address for the equipment. If "Enable" is selected for the DHCP, an IP address which the DHCP server assigned will be shown.	❍	❍
	Ethernet speed	Select the Ethernet speed for the equipment's LAN2 port.	❍	❍
Wireless LAN *1	MAC address *1	The MAC address of the wireless LAN card.	†	†
	SSID *1	Enter SSID for wireless LANs within 30 characters.	❍	❍
	Transmission speed *1	Select the communication speed of wireless LANs from among Auto Select, 1 Mbps Only, 2 Mbps Only, 5.5 Mbps Only and 11 Mbps Only.	❍	❍
	WEP (encryption) *1	Select "Enable" to encrypt the communication data.	❍	❍

Groups	Items	Descriptions	Admin	Registrant
Wireless LAN *1	WEP key *1	A encryption key when you set "Enable" for WEP (encryption). If you use 40 bit data (64 bit WEP), enter 5 characters or 10 digits as a hexadecimal number. Enter 13 characters or 26 digits as a hexadecimal number for 128 bit WEP.	❍	❍
	Wireless LAN signal *1	This shows the conditions of the wireless LAN signals. • Good: –40dBm or more • Fair: from –80 to –61dBm • Poor: from –100 to –81dBm • Unavailable: –101dBm or under	†	†
	Check Wireless LAN Signal (button) *1	Refreshes **[Wireless LAN signal]**.	❍	❍
DNS Server	Main DNS server	Enter the IP address of the DNS server which the equipment mainly uses. Enter the IP address in "x.x.x.x" format ("x" stands for a number from 0 to 255). This is not required when you enter the proxy server or SMTP server by its IP address and not by its name.	❍	❍
	Sub DNS server	Enter the IP address of the Sub DNS server, if you have a secondary DNS server, a server to use where the **[Main DNS server]** cannot be used for some reason. Enter the IP address in "x.x.x.x" format ("x" stands for a number from 0 to 255).	❍	❍

†: Confirmation Only ❍: Able to click/change

*1 This item will be shown with the optional wireless LAN card for Type BN1.

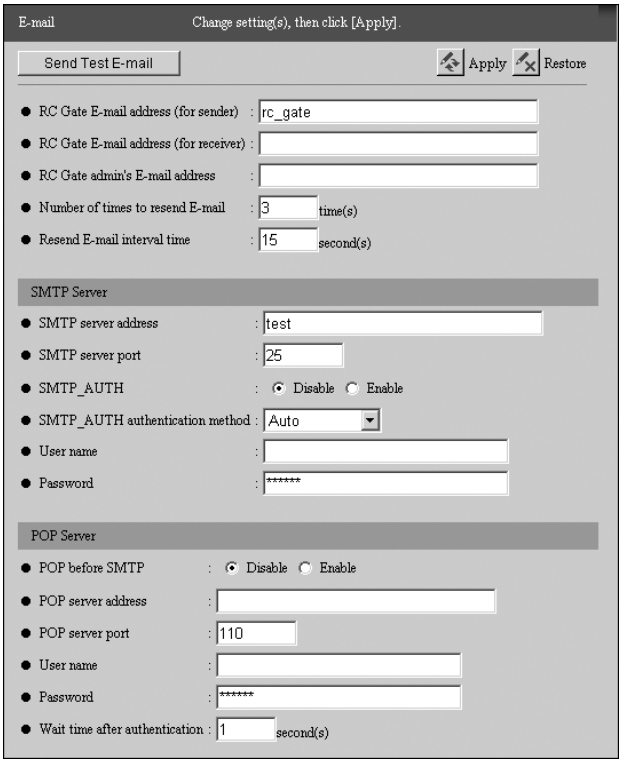
E-mail

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

Important

❒ Do not use the RC Gate administrator’s E-mail function in environments where security is a concern. Although E-mail to the Communication Server is encrypted, E-mail sent to the administrator is in plain text.

You can change and confirm the E-mail settings for the equipment. Click **[RC Gate Settings]** - **[E-mail]** to show the relevant screen. (The illustration shows the screen for the RC Gate administrator when using the “E-mail (SMTP)” method.)



Groups	Items	Description	Admin	Registrant
	Send Test E-mail (button)	A button to send a test E-mail to check the settings. The equipment will send a test mail to **[RC Gate admin's E-mail address]** when you click this button.	❍	❍
	RC Gate E-mail address (for sender)	An E-mail address for the equipment. "rc_gate" is set to default. In the "E-mail (SMTP)" method, the E-mail address is used to send the collected information to Communication Server. In the "Internet encryption communication (HTTPS)" method, the E-mail address is used to send E-mail to the RC Gate admin's E-mail address when events (for example, error, updating firmware of the devices, stop/recovery of the Communication Server) occurs. Set the E-mail address within 126 characters.	❍	❍
	RC Gate E-mail address (for receiver)	An E-mail address to send a reply E-mail to the equipment. You can set a different E-mail address from the RC Gate E-mail address (for sender). You can set multiple addresses by dividing each E-mail address with a comma (,). Set them within 255 characters.	❍	❍
	RC Gate admin's E-mail address	In the "E-mail (SMTP)" method, device information found by Auto Discovery will be sent to this address as well as to the Communication Server. You can set multiple addresses by dividing each E-mail address with a comma (,). Set them within 255 characters. In the "Internet encryption communication (HTTPS)" method, an E-mail is sent to this address when an event (for example, error) occurs. When in the "Internet encryption communication (HTTPS)" method, this button will not appear before the registration of the equipment completes.	‡	‡
	Number of times to resend E-mail	Set the number of retries to the SMTP server when an E-mail transmission fails. Set it from 1 to 10.	❍	-
	Resend E-mail interval time	Set the period of retries to the SMTP server when an E-mail transmission fails. Set it from 1 to 60 seconds.	❍	-

Groups	Items	Description	Admin	Registrant
SMTP Server	SMTP server address	This is the IP address or name of the SMTP server (a server to send E-mails). It is required to enter this when using the "E-mail (SMTP)" method.	❍	❍
	SMTP server port	This is a port number for the SMTP server. Usually set to 25.	❍	❍
	SMTP_AUTH	Select "Enable" if your SMTP Server uses SMTP authentication. Select "Disable" if your SMTP does not use SMTP authentication or uses POP before SMTP authentication.	❍	❍
	SMTP_AUTH authentication method	Set this item when **[SMTP_AUTH]** is set to "Enable". Select from among Auto, DIGEST-MD5, CRAM-MD5, LOGIN and PLAIN.	❍	❍
	User name	This is the user name (User ID) used for SMTP_AUTH authentication. Usually, the same E-mail address with **[RC Gate E-mail address (for sender)]** is applied, but it may be different for security reasons.	❍	❍
	Password	A password for **[User name]** used for SMTP_AUTH authentication. Usually, the same password for **[RC Gate E-mail address (for sender)]** is applied, but it may be different for security reasons.	❍	❍
POP Server	POP before SMTP	Select "Enable" if your SMTP uses POP before SMTP authentication. Select "Disable" if your server does not use SMTP authentication or uses SMTP_AUTH authentication.	❍	❍
	POP server address	This is the IP address or the name of the POP server when using "POP before SMTP" authentication.	❍	❍
	POP server port	This is the number of the POP server port when using "POP before SMTP" authentication. Usually set to 110.	❍	❍
	User name	This is the user name (User ID) used for POP before SMTP authentication. Usually, the same E-mail address with **[RC Gate E-mail address (for sender)]** is applied, but it may be different for security reasons.	❍	❍

Groups	Items	Description	Admin	Registrant
POP Server	Password	This is the password used for **[User name]** when using POP before SMTP authentication. Usually, the same E-mail address with **[RC Gate E-mail address (for sender)]** is applied, but it may be different for security reasons.	❍	❍
	Wait time after authentication	Set the wait time longer if an error occurs with POP before SMTP authentication. Set the time at 0 to 30 seconds.	❍	❍

-: Not Shown ❍: Able to click/change

‡: Able to change when using the "E-mail (SMTP)" method. Confirmation only when using the "Internet encryption communication (HTTPS)" method.

Check the Settings with the Test E-mail

Follow the procedure to check if the E-mail is sent correctly.

Note

❒ Ask your system administrator for your authentication of the SMTP server before settings.

7

1 Click [Send Test E-mail].

2 Check if the RC Gate administrator has received the test E-mail.

If the test E-mail has been received, operate with the current settings.

3 If the test E-mail has not been received, enter settings 1 and 2 again or enter the E-mail address for the RC Gate administrator to [RC Gate E-mail address (for sender)].

Note

❒ Make settings according to your E-mail environment. For example, enter the characters that follow the "@" of the E-mail address.

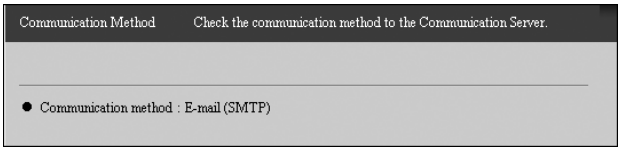
❒ When an error occurs with POP before SMTP authentication, set the **[Wait time after authentication]** longer.

4 Ask your service representative if the E-mail has not been received in spite of the correction of the settings above.

Communication Method

When using the “E-mail (SMTP)” Method

You can confirm the method to connect Communication Server. Click **[RC Gate Settings]** - **[Communication Method]** to show the screen.



Items	Description	Admin	Registrant
Communication method	Shows the communication method.	†	†

†: Confirmation Only

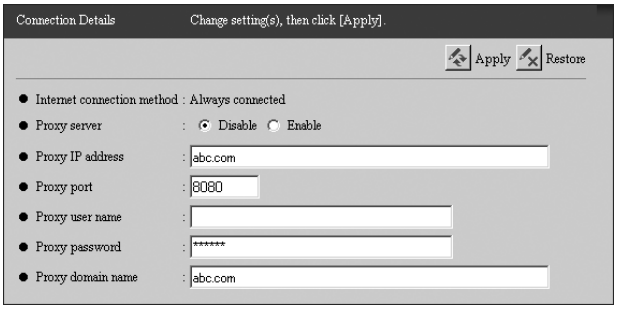
Connection Details

When using the "Internet encryption communication (HTTPS)" Method

You can confirm and change the details of the internet connection. Click **[RC Gate Settings]** - **[Net Connection Settings]** - **[Connection Details]** to show the screen. The screen will be different according to the method of the internet connection, whether it is "Always connected" or "Dial-up."

When with Type BN1 (Always connected)

You can confirm and change the HTTP settings with Type BN1.



Limitation

❒ If your environment changes the HTTP proxy password periodically, the equipment cannot communicate with Communication Server correctly.

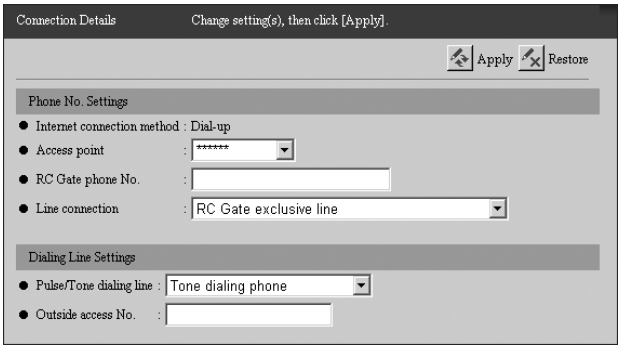
Items	Descriptions	Admin	Registrant
Internet connection method	This shows that "Always connected" is selected.	†	†
Proxy server	This can be set to enable the HTTP proxy or not. Set the items below when "Enable" is selected. If "Disable" is selected, there is no need to set the items below.	❍	❍
Proxy IP address	Enter the HTTP proxy server name. If the domain name is specified by HTTP proxy server, make DNS server settings as described on p.94 "Network".	❍	❍
Proxy port	Enter the port number of the HTTP proxy.	❍	❍
Proxy user name	Enter the user name for HTTP proxy authentication, within 30 characters.	❍	❍

Items	Descriptions	Admin	Registrant
Proxy password	Enter the password for HTTP proxy authentication, within the 30 characters.	❍	❍
Proxy domain name	When using Windows authentication, enter the proxy domain name, within 255 characters. Only NTLMv2 authentication is available.	❍	❍

†: Confirmation Only ❍: Able to Change

When with Type BM1 (Dial-up)

This screen appears with Type BM1, the equipment with the modem. You can confirm and change the settings for Dial-up.



Groups	Items	Descriptions	Admin	Registrant
Phone No. Settings	Internet connection method	This shows that "Dial-up" is selected.	†	†
	Access point	Select the access point from the list.	†	❍
	RC Gate phone No.	This is the telephone number for the equipment. Enter the telephone number from the country code with numerals, -, # and *. Do not use (). For example: 810312345678	†	❍

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Groups	Items	Descriptions	Admin	Registrant
Phone No. Settings	Line connection	Select a telephone line type for the equipment. If the equipment exclusively uses a telephone line, select "RC Gate exclusive line." If the equipment shares a telephone line with a fax, select "RC Gate and fax shared line (RC Gate priority)" or "RC Gate and fax shared line (Fax priority)." *1 You must enable the dial-tone detection of the fax when you select "RC Gate and fax shared line (Fax priority)." The "FAX" interface on the modem board will be enabled when "RC Gate and fax shared line (RC Gate priority)" or "RC Gate and fax shared line (Fax priority)" is selected.	†	❍
Dialing Line Settings	Pulse/Tone dialing line	Select the dial type of the telephone line. Select from "Tone dialing phone", "Pulse dialing phone (10PPS)" and "Pulse dialing phone (20PPS)."	†	❍
	Outside access No.	The numbers or characters (#, * or comma) to connect outside. If a pause is needed after the outside access number, add comma. A comma gives a 2 second pause.	†	❍

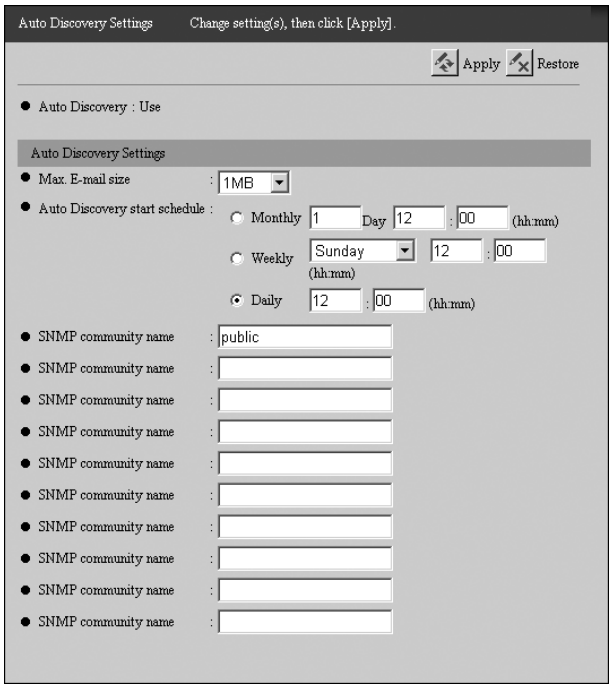
†: Confirmation Only ❍: Able to Change

*1 To prioritize the communication of the equipment over the fax transmission, select "RC Gate and fax shared line (RC Gate priority)." To prioritize the fax transmission over the communication of the equipment, select "RC Gate and fax shared line (Fax priority)."

Auto Discovery Settings

Common to the "E-mail (SMTP)" and "Internet encryption communication (HTTPS)" Method

Make settings for Auto Discovery. Click **[Auto Discovery]** - **[Auto Discovery Settings]** to show the screen. (The illustration shows the screen for the "E-mail (SMTP)" method.)



Items	Descriptions	Admin	Registrant
Auto Discovery	Shows whether to use Auto Discovery, or not.	†	†
Permit setting of Auto Discovery from Communication Server	This is shown only with the "Internet encryption communication (HTTPS)" method. If you select "Permit", the Communication Server will automatically register the device found by Auto Discovery to the equipment. To make this function invalid, select "Do not permit."	❍	❍
Max. E-mail size	This is shown only with the "E-mail (SMTP)" method. Select the maximum capacity for each E-mail from the Communication Server. The E-mail contains the results of Auto Discovery.	❍	❍

Items	Descriptions	Admin	Registrant
Auto Discovery start schedule	Set the period of time to run Auto Discovery.	❍	❍
SNMP community name	Enter an SNMP community name within 30 characters if there are SNMP correspondent devices in the target devices of Auto Discovery. Input **[SNMP community name]** in the order of higher usage frequency. Remove **[SNMP community name]** you do not use.	❍	❍

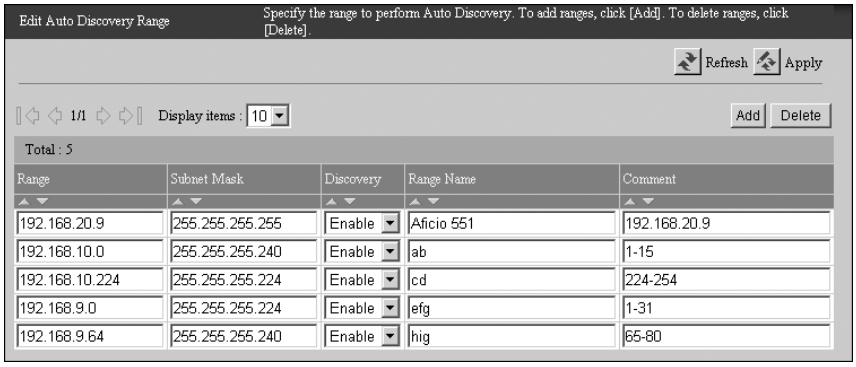
†: Confirmation Only ❍: Able to Change

Edit Auto Discovery Range

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

Set the range of devices on the network to use Auto Discovery. Click **[Auto Discovery]** - **[Edit Auto Discovery Range]** to show the screen.

When “Subnetmask ranges” is selected on the [Auto Discovery Settings by Specifying Range] screen

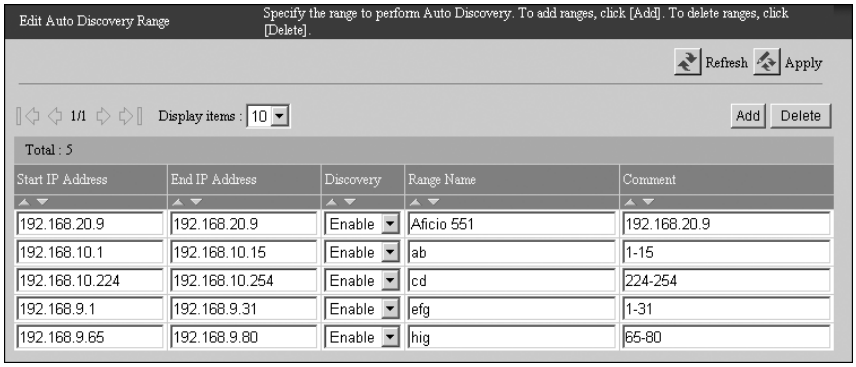


Items	Descriptions	Admin	Registrant
Total	Shows the total of the registered Range.	†	†
Range	The network address to use Auto Discovery. Enter the IP address in “x.x.x.x” format (“x” stands for a number from 0 to 255).	❍	❍
Subnet Mask	The subnet mask to determine the enable range for the Range. Enter the subnet mask in “x.x.x.x” format (“x” stands for a number from 0 to 255).	❍	❍
Discovery	Select to set Auto Discovery enable for the device or not.	❍	❍
Range Name	The network address name entered for the IP address in **[Range]**.	❍	❍
Comment	You can enter comments for each **[Range]** within 61 characters.	❍	❍

Items	Descriptions	Admin	Registrant
Add(button)	Adds new **[Range]**. **[Add Auto Discovery Range]** appears when you click **[Add]**. See p.110 "Add Auto Discovery Range" for details.	❍	❍
Delete(button)	Deletes **[Range]**. **[Delete Auto Discovery Range]** appears when you click **[Delete]**. See p.112 "Delete Auto Discovery Range" for details.	❍	❍

†: Confirmation Only ❍: Able to Click/Change

When “IP address ranges” is selected on the [Auto Discovery Settings by Specifying Range] screen



Items	Descriptions	Admin	Registrant
Total	Shows the total of the registered Range.	†	†
Start IP Address	Beginning of the IP address range. Enter the IP address in “x.x.x.x” format (“x” stands for a number from 0 to 255).	❍	❍
End IP Address	End of the IP address range. Enter the IP address in “x.x.x.x” format (“x” stands for a number from 0 to 255).	❍	❍
Discovery	Select whether or not to use the IP address range for Auto Discovery.	❍	❍
Range Name	You can enter a name for each range, using up to 61 characters.	❍	❍
Comment	You can enter a comment for each range, using up to 61 characters.	❍	❍
Add(button)	Adds new ranges. **[Add Auto Discovery Range]** appears when you click **[Add]**. See p.110 “Add Auto Discovery Range” for details.	❍	❍
Delete(button)	Deletes ranges. **[Delete Auto Discovery Range]** appears when you click **[Delete]**. See p.112 “Delete Auto Discovery Range” for details.	❍	❍

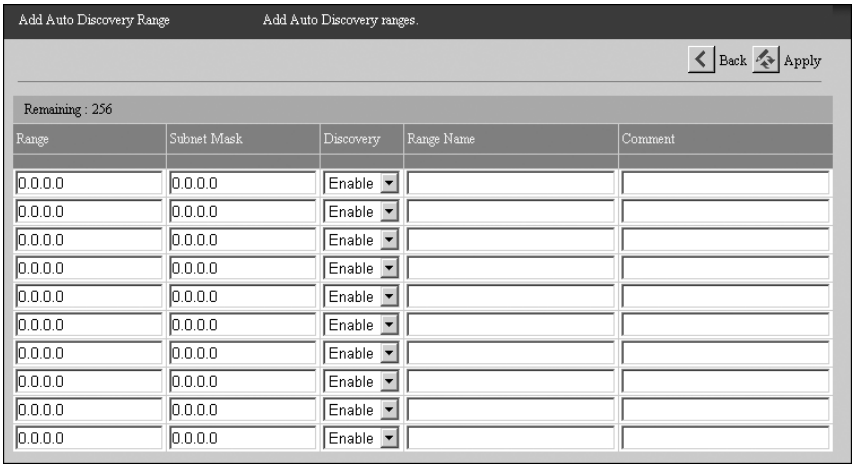
†: Confirmation Only ❍: Able to Click/Change

Add Auto Discovery Range

Common to the "E-mail (SMTP)" and "Internet encryption communication (HTTPS)" Method

Add the range of devices on the network to use Auto Discovery. Click **[Add]** in the **[Auto Discovery]** - **[Edit Auto Discovery Range]** to show the screen. Entered Range will be added when you click **[Apply]**.

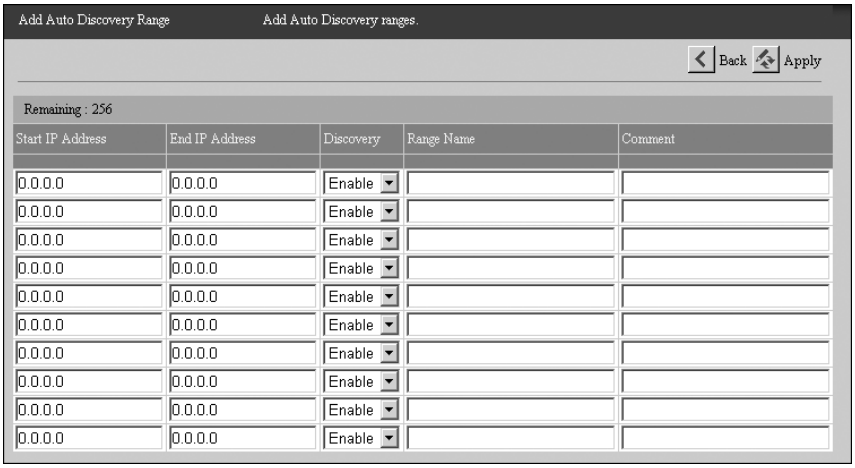
When "Subnetmask ranges" is selected on the [Auto Discovery Settings by Specifying Range] screen



Items	Description	Admin	Registrant
Remaining	Shows the remaining amount of Range which you can register.	†	†
Range	The network address to use Auto Discovery. Enter the IP address in "x.x.x.x" format ("x" stands for a number from 0 to 255).	❍	❍
Subnet Mask	The subnet mask to determine the enable range for Range. Enter the subnet mask in "x.x.x.x" format ("x" stands for a number from 0 to 255).	❍	❍
Discovery	Select to set Auto Discovery enable for the device or not.	❍	❍
Range Name	The network address name entered for the IP address in **[Range]**.	❍	❍
Comment	You can enter comments within 61 characters.	❍	❍

†: Confirmation Only ❍: Able to Change

When “IP address ranges” is selected on the [Auto Discovery Settings by Specifying Range] screen



Items	Description	Admin	Registrant
Remaining	Shows the remaining amount of Range which you can register.	†	†
Start IP Address	Beginning of the IP address range. Enter the IP address in “x.x.x.x” format (“x” stands for a number from 0 to 255).	❍	❍
End IP Address	End of the IP address range. Enter the IP address in “x.x.x.x” format (“x” stands for a number from 0 to 255).	❍	❍
Discovery	Select whether or not to use the IP address range for Auto Discovery.	❍	❍
Range Name	You can enter a name for each range, using up to 61 characters.	❍	❍
Comment	You can enter a comment for each range, using up to 61 characters.	❍	❍

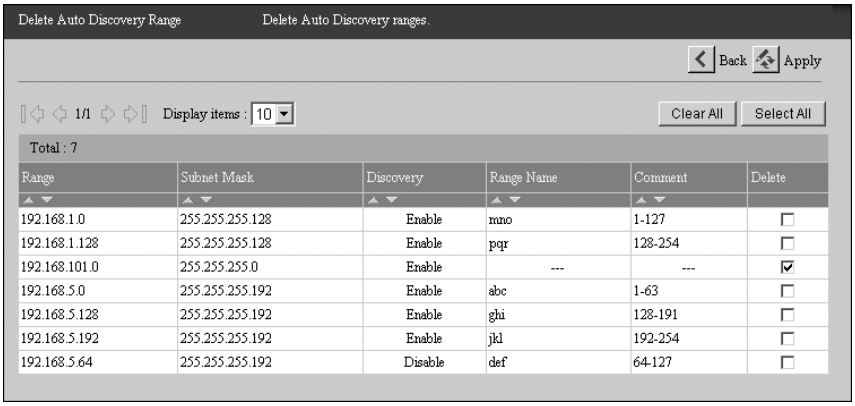
†: Confirmation Only ❍: Able to Change

Delete Auto Discovery Range

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

Delete the range of devices on the network to use Auto Discovery. Click **[Delete]** in **[Auto Discovery]** - **[Edit Auto Discovery Range]** to show the screen. Click **[Apply]** to delete the Range with a check in the **[Delete]** row.

When “Subnetmask ranges” is selected on the [Auto Discovery Settings by Specifying Range] screen

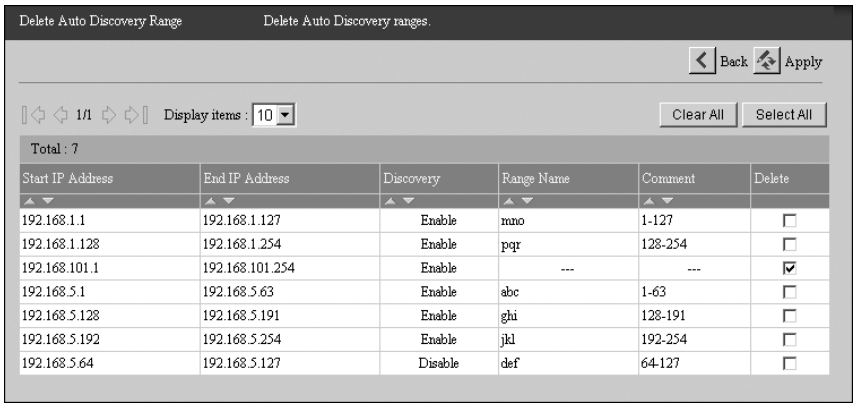


Items	Description	Admin	Registrant
Total	Shows all of the registered Range.	†	†
Range	The network address permitted to use Auto Discovery.	†	†
Subnet Mask	The subnet mask used to determine the enable range for Range.	†	†
Discovery	Shows Auto Discovery is enabled for the device or not.	†	†
Range Name	The network address name entered for the IP address in **[Range]**.	†	†
Comment	This is a comment for the **[Range]**.	†	†
Delete	Select and make the check on for the line you want to delete.	❍	❍

Items	Description	Admin	Registrant
Clear All (button)	Click to clear all of the checks on **[Delete]** including devices not shown on the current page.	❍	❍
Select All (button)	Click to make a check for every item affected by of the **[Delete]** including devices not shown on the current page.	❍	❍

†: Confirmation Only ❍: Able to Change/Click

When "IP address ranges" is selected on the [Auto Discovery Settings by Specifying Range] screen



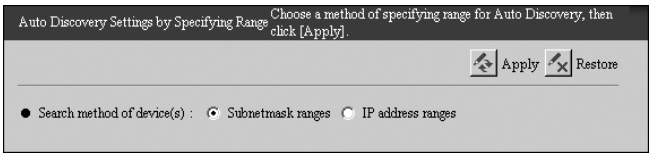
Items	Description	Admin	Registrant
Total	Shows all of the registered Range.	†	†
Start IP Address	Beginning of the IP address range.	†	†
End IP Address	End of the IP address range.	†	†
Discovery	Shows Auto Discovery is enabled for the device or not.	†	†
Range Name	The name entered for the range.	†	†
Comment	The comment entered for the range.	†	†
Delete	Select and make the check on for the line you want to delete.	❍	❍
Clear All (button)	Click to deselect all selected ranges, including selected ranges not shown on the current page.	❍	❍
Select All (button)	Click to select all ranges, including ranges not shown on the current page.	❍	❍

†: Confirmation Only ❍: Able to Change/Click

Auto Discovery Settings by Specifying Range

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can select the method for specifying the Auto Discovery range.



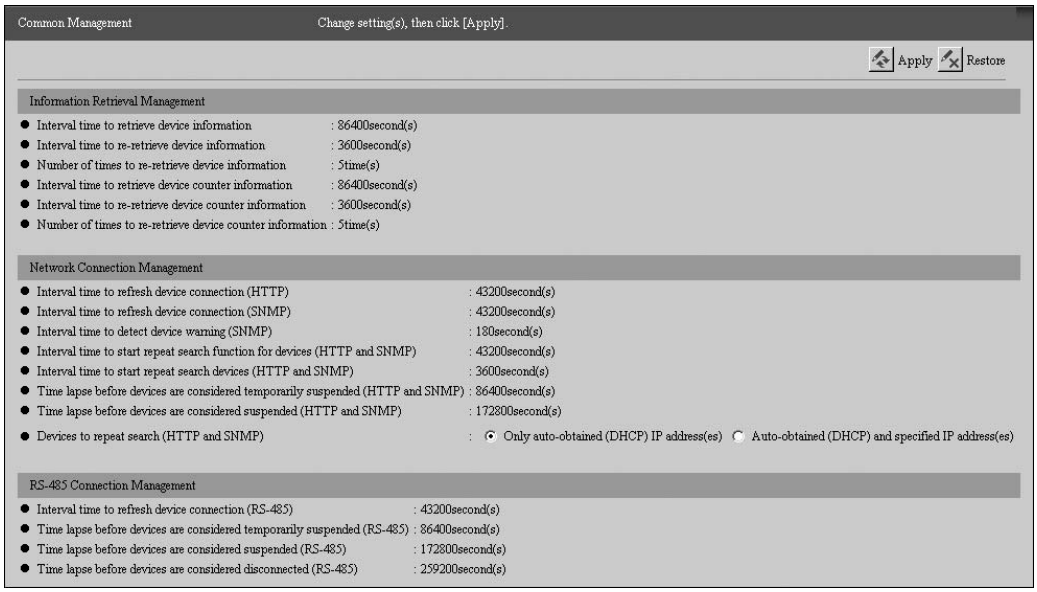
Items	Description	Admin	Registrant
Search method of device(s)	Sets the method for specifying the Auto Discovery range.	❍	❍

❍: Able to Change

Common Management

When using the “Internet encryption communication (HTTPS)” Method

You can confirm the settings to manage the registered devices. Click **[Device Management]** - **[Common Management]** to show the screen. (The illustration shows the screen for RC Gate administrator)



Groups	Items	Descriptions	Admin	Registrant
Information Retrieval Management	Interval time to retrieve device information	The period of time to receive the information from devices.	†	†
	Interval time to re-retrieve device information	The period of time to retry when the equipment could not receive information from devices.	†	†
	Number of times to re-retrieve device information	The number of times to retry when the equipment could not receive information from devices.	†	†
	Interval time to retrieve device counter information	The period of time to receive counter data from devices.	†	†
	Interval time to re-retrieve device counter information	The period of time to retry when the equipment could not receive counter information from devices.	†	†
	Number of times to re-retrieve device counter information	The number of times to retry when the equipment could not receive counter information from devices.	†	†

Groups	Items	Descriptions	Admin	Registrant
Network Connection Management	Interval time to refresh device connection (HTTP)	The period of time to check the connection to devices communicated to with HTTP protocol.	†	-
	Interval time to refresh device connection (SNMP)	The period of time to check the connection to devices communicated to with SNMP protocol.	†	-
	Interval time to detect device warning (SNMP)	The period of time to detect the warnings from devices communicated to with SNMP protocol.	†	-
	Interval time to start repeat search function for devices (HTTP and SNMP)	The period of time to start searching again for lost devices connected to the network.	†	-
	Interval time to start repeat search devices (HTTP and SNMP)	The period of time to start searching again for lost devices connected to the network.	†	-
	Time lapse before devices are considered temporarily suspended (HTTP and SNMP)	The period of time to decide on lost devices connected to the network being temporarily suspended.	†	-
	Time lapse before devices are considered suspended (HTTP and SNMP)	The period of time to decide on lost devices connected to the network being suspended.	†	-
	Devices to repeat search (HTTP and SNMP)	Select the target device on the network on which to repeat searching from "Only auto-obtained (DHCP) IP address(es)" and "Auto-obtained (DHCP) and specified IP address(es)."	❍ *1	-
RS-485 Connection Management	Interval time to refresh device connection (RS-485)	The period of time to start searching again for devices connected to the RS-485.	†	-
	Time lapse before devices are considered temporarily suspended (RS-485)	The period of time to decide on lost devices connected to the RS-485 being suspended for a short time.	†	-
	Time lapse before devices are considered suspended (RS-485)	The period of time to decide on lost devices connected to the RS-485 being suspended.	†	-
	Time lapse before devices are considered disconnected (RS-485)	The period of time to decide on lost devices connected to the RS-485 being disconnected.	†	-

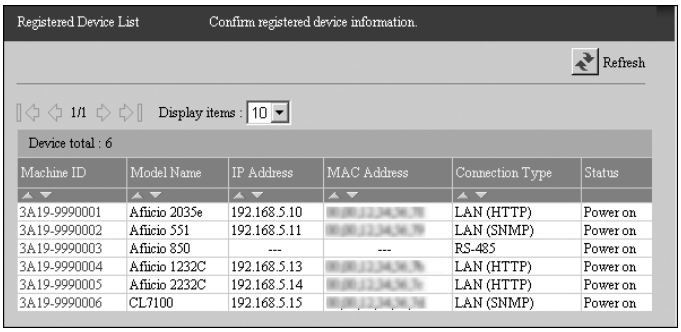
-: Not Shown †: Confirmation Only ❍: Able to change

*1 Ask your service representative to change.

Registered Device List

When using the “Internet encryption communication (HTTPS)” Method

This is the list of image I/O devices managed by the equipment. Click **[Device Management]** - **[Registered Device List]** to show the screen. Click **[Refresh]** to show the latest information.



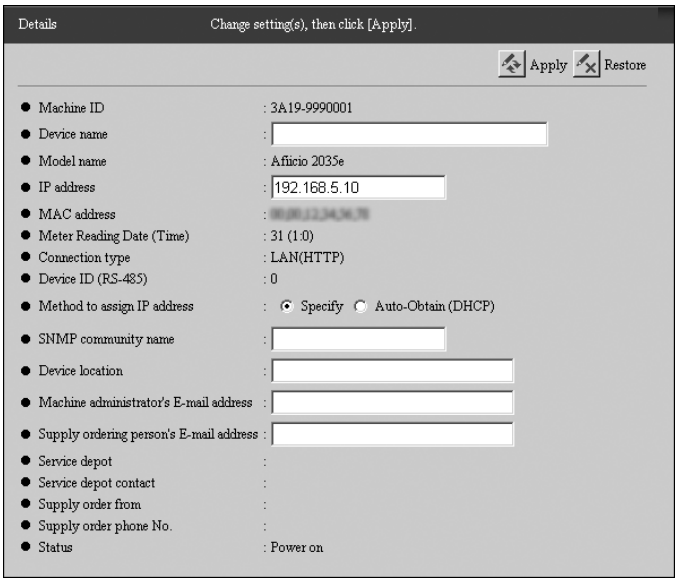
Items	Descriptions	Admin	Registrant
Machine ID	The machine ID for the device.	❍	❍
Model Name	The model name of the device. If the equipment could not collect the model name, it will be shown with “---.”	†	†
IP Address	The IP address for the device. “---” will be shown for the devices connected by RS-485.	†	†
MAC Address	The device's MAC address. “---” is displayed for devices connected by RS-485.	†	†
Connection Type	The connecting type of the device. • LAN (HTTP): Devices connected on a network from which information is collected by the HTTP protocol. • LAN (SNMP): Devices connected on the network from which information is collected by the SNMP protocol. • RS-485: Devices connected to OA I/F by RS-485 cable.	†	†
Status	Shows the current status of the devices. • Power on • Disconnected • Power off • Suspended	†	†

†: Confirmation Only ❍: Able to Click

Details

When using the “Internet encryption communication (HTTPS)” Method

You can confirm and change the information details of image I/O devices managed by the equipment. Click **[Device Management]** - **[Registered Device List]** to show the screen. Click **[Machine ID]** of the device you want to confirm and change.



Items	Descriptions	Admin	Registrant
Machine ID	This is the machine ID of the device.	†	†
Device name	This is the name for the device. Enter the name within 30 characters.	†	❍
Model Name	This is the model name of the device.	†	†
IP Address	This is the IP address of the device.	❍	❍
MAC address	This is the MAC address of the device.	†	†
Meter Reading Date (Time)	This is the date and time when the equipment reads the counter of the device.	†	†
Connection Type	This shows the connection type of the device. • LAN (HTTP): Devices connected on the network from which information is collected by the HTTP protocol. • LAN (SNMP): Devices connected on the network from which information is collected by the SNMP protocol. • RS-485: Devices connected to OA I/F by RS-485 cable.	†	†

Items	Descriptions	Admin	Registrant
Device ID (RS-485)	The ID for the device which is connected by RS-485. "0" will be shown for the devices on the network.	†	†
Method to assign IP address	The method to assign IP address for the devices on the network. Select from "Specify" and "Auto-Obtain (DHCP)."	-	❍
SNMP community name	The community name for SNMP correspondent devices. Enter within 30 characters.	†	❍
Device location	The name of the place where the device is located. Enter within 30 characters.	❍	❍
Machine administrator's E-mail address	The E-mail address for the device administrator. Notice E-mails such as "Updating device firmware" and "device suspension" are sent to this address. Enter within 120 characters.	❍	❍
Supply ordering person's E-mail address	The E-mail address for the person responsible for keeping supplies. Enter within 120 characters. Depending on the area and service availability, the address might not be displayed.	❍	❍
Service depot	Your service representative.	†	†
Service depot contact	The phone number of your service representative.	†	†
Supply order from	Your supply representative. Depending on the area and service availability, the address might not be displayed.	†	†
Supply order phone No.	The phone number of your supply representative. Depending on the area and service availability, the address might not be displayed.	†	†
Status	This shows the status of the device. • Power on • Disconnected • Power off • Suspended	†	†

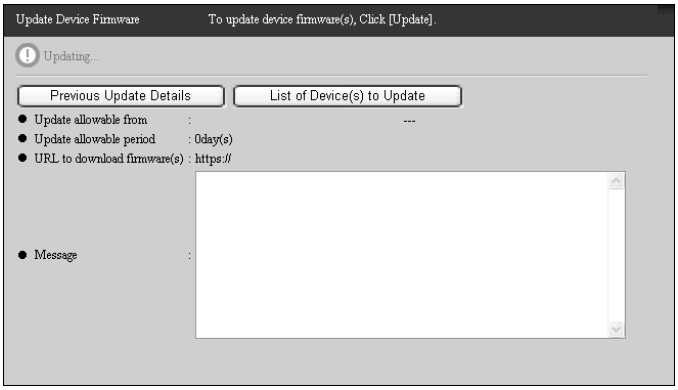
-: Not Shown †: Confirmation Only ❍: Able to change

Update Device Firmware

When using the “Internet encryption communication (HTTPS)” Method

When a notice comes from the Communication Server you can update the firmware of the device. And you can confirm the updating schedule.

Click **[Device Management]** - **[Update Device Firmware]** to show the screen. Also the screen appears when the RC Gate administrator logins the RC Gate monitor from a URL link contained in the e-mail titled “Notice: Update Device Firmware.”



Items	Descriptions	Admin	Registrant
Update (button)	Click to update the firmware. The button will not appear when there is no update scheduled, when the schedule update is running, or before the update is scheduled.	❍	❍
Previous Update Details (button)	Click to show the results of the latest update. Click **[Previous Update Device List]** to show the information of the previous update such as the ID, status, date, and the latest result of the updated devices. If there is no previous update, only **[Back]** will be shown.	❍	❍
List of Device(s) to Update (button)	Click to show the ID of the device which one is able to update, and the updating status (For example, Preparing to update and Updated). If updating is finished, the date and results of the update will be shown. The button will not appear if there is no updating scheduled.	❍	❍
Update allowable from	Shows the date and time when the device will be able to update.	†	†

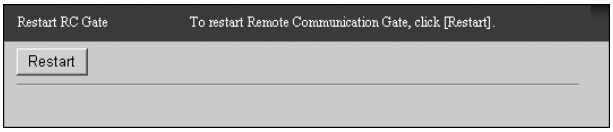
Items	Descriptions	Admin	Registrant
Update allowable period	Shows the time period when the firmware can be updated, starting from the first day when the firmware is able to update. If the update is not executed in this period, it will be considered that the update has failed.	†	†
URL to download firmware(s)	Shows where the firmware is downloaded from.	†	†
Message	Shows the message from the Communication Server.	†	†

†: Confirmation Only ❍: Able to Click

Restart RC Gate

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can reboot the equipment during operation. Click **[Maintenance]** - **[Restart RC Gate]** to show the screen.



Items	Descriptions	Admin	Registrant
Restart (button)	Click to reboot the equipment. It will take a few minutes to complete. Before re-starting your operation, confirm that the red and orange LEDs on the equipment have stopped flashing and the red LED is off.	-	❍

-: Not Shown ❍: Able to Click

7

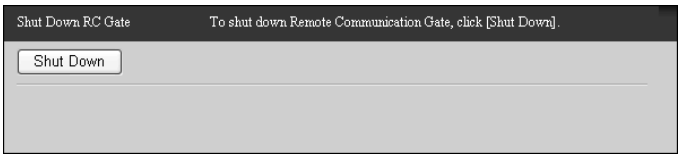
Note

❒ When “RC Gate and fax shared line (RC Gate priority)” has been selected with the dial-up connection method, the equipment does not start rebooting while the fax is in off-hook state. The equipment will start rebooting after the fax is in on-hook state. During the rebooting, the red and orange LEDs of the equipment flash. If the red and orange LEDs of the equipment do not start flashing or continue flashing, confirm if the fax is in on-hook state.

Shut Down RC Gate

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

Perform the following procedure to shut down the equipment. Do not turn off the power before completing the following procedure. To shutdown the equipment, first select **[Maintenance]**, and then **[Shut Down RC Gate]**.



Items	Description	Admin	Registrant
Shut Down (button)	Click the **[Shut Down]** button to shut down the RC Gate.	❍	❍
Shut Down (dialog box)	Click the **[Shut Down]** button to display the Shut Down dialog box. Click the **[OK]** button to begin shutdown. Then **[Shutting down RC Gate...]** screen will appear. Before you turn the power of the equipment off, confirm that the red and orange LEDs on the equipment stop flashing and the green, red and orange LEDs are lit.	❍	❍

❍: The button can be clicked, or the dialog box is displayed.

Important

❒ Turning off the power without shutdown can damage the equipment's hard drive and result in loss of logs up to the most recent one hour.

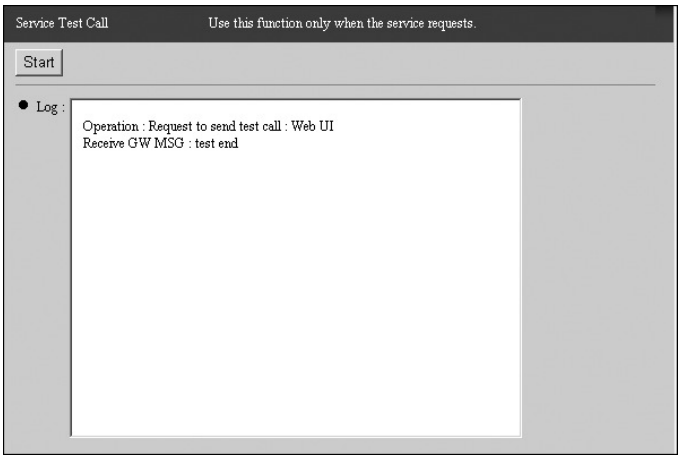
Note

❒ When “RC Gate and fax shared line (RC Gate priority)” has been selected with the dial-up connection method, the equipment does not start shutdown while the fax is in off-hook state. The equipment will start shutdown after the fax is in on-hook state. When shutdown is completed, the green, red and orange LEDs of the equipment will be lit. If the shutdown is not completed, confirm if the fax is in on-hook state.

Service Test Call

When using the "Internet encryption communication (HTTPS)" Method

You can test the connection between the equipment and Communication Server. Click **[Maintenance]** - **[Communication Server Calls]** - **[Service Test Call]** to show the screen.



Important

❒ Execute **[Service Test Call]** only when there is a request from your service representative.

Items	Description	Admin	Registrant
Start (button)	Click to start a test call to the Communication Server.	-	❍
Log	Shows the status message from the Communication Server for the results of the test call.	-	†

-: Not Shown †: Confirmation Only ❍: Able to click

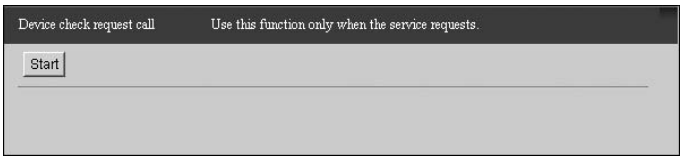
Note

❒ The results of **[Service Test Call]** (The contents of **[Log]**) will not be sent to the Communication Server. This is a communication test only for the equipment.

Device check request call

When using the “Internet encryption communication (HTTPS)” Method

You can test the connection between the equipment and Communication Server. The result will be sent to the Communication Server. Click **[Maintenance]** - **[Communication Server Calls]** - **[Device Check Req. Call]** to show the screen.



Important

❒ Execute **[Device check request call]** only when there is a request from your service representative.

❒ When you make a test call with **[Device check request call]**, the status of the equipment will be sent to the Communication Server.

Items	Descriptions	Admin	Registrant
Start (button)	Click to start a test call to the Communication Server.	❍	❍

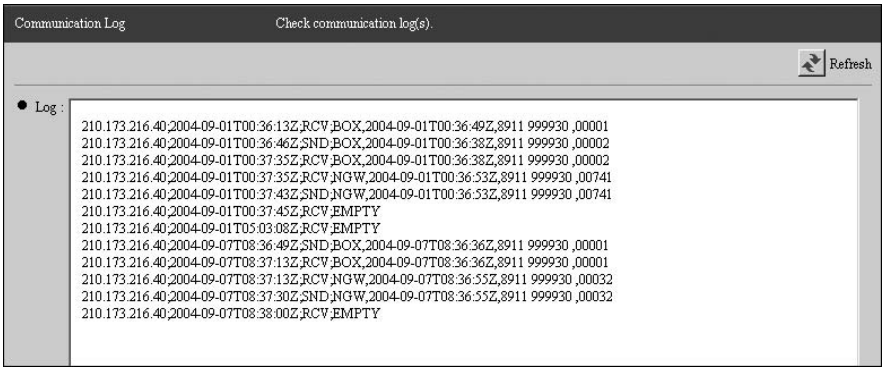
❍: Able to Click

Communication Log

When using the “Internet encryption communication (HTTPS)” Method

You can confirm the communication log with the Communication Server. Click **[Maintenance]** - **[Communication Log]** to show the screen.

Click **[Refresh]** to show the latest communication log.



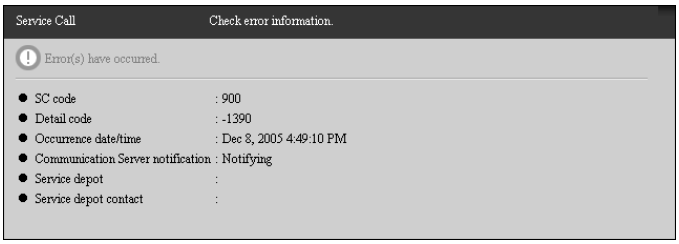
Items	Descriptions	Admin	Registrant
Log	The log is shown sorted by time. The contents are in the order of; IP address, communication date and time, sent or received and communication contents. Date and time will be shown by UTC, similar to Greenwich mean time.	†	†

†: Confirmation Only

Service Call

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can confirm the error codes and other information with this screen. Click **[Maintenance]** - **[Service Call]** to show the screen. Also, the screen will be automatically shown when an error occurs on operating **[RC Gate and Device Settings]**. When an error message appears on operating the RC Gate Monitor, click **[Back]** to show this screen.



Items	Descriptions	Admin	Registrant
(The Status of the equipment)	If the error occurs with the equipment, “Error(s) have occurred.” is shown. During a normal operation, “No error has occurred.” is shown and items below will not appear.	†	†
SC code	Error codes for this equipment.	†	†
Detail code	This displays the service call type by code.	†	†
Occurrence date/time	This shows the date and time when the error has occurred.	†	†
Communication Server notification	This shows the status of the notification to the Communication Server. • Unnecessary • Notifying • Notified • Failed	†	†
Service depot *1	Your service representative.	†	†
Service depot contact *1	The telephone number of your service representative.	†	†

†: Confirmation Only

*1 This item does not appear when using the “E-mail (SMTP)” method.

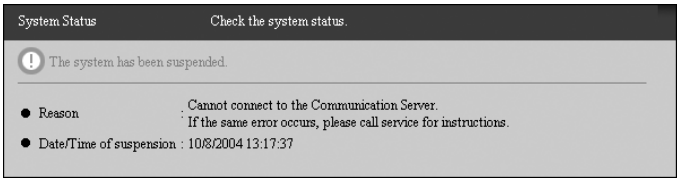
When an error occurs

Contact your service representative.

System Status

When using the "Internet encryption communication (HTTPS)" Method

You can confirm the system status of the equipment. Click **[Maintenance]** - **[System Status]** to show the screen. The "connection suspension" E-mail will be sent to the RC Gate administrator when the equipment is suspended. Also, click hyperlink to the URL in the E-mail which is sent to device administrator. The login page for the RC Gate Monitor will appear and the screen will appear right after the login page.



Items	Descriptions	Admin	Registrant
(Status of the equipment)	Shows if the equipment is in operation or in suspension. If the equipment is operating, the items below will not be shown.	†	†
Reason	Shows the major reason of suspension and action.	†	†
Date/Time of suspension	Shows the date and time when the suspension has occurred.	†	†

†: Confirmation Only

When the system has suspended

Check the items below:

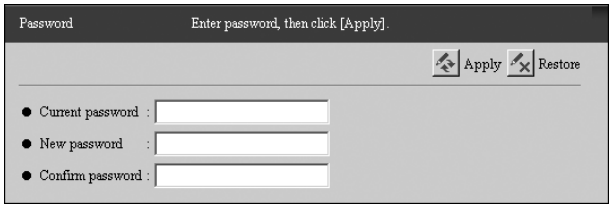
- Confirm that the proxy settings, such as the password, have not changed.
- Confirm that the Ethernet cable of the equipment has not been pulled out.
- Confirm that the network devices, such as the power of the HUB is not off.

If the items above have no problem, contact your service representative.

Password

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

The RC Gate Monitor login password can be changed any time. Select **[Security]** - **[Password]** to open the dialog box shown below.



Important

- ❒ Never use the factory default password for the actual operation. Change it by considering the followings. Specify a new password using 8 to 13 alphanumeric and symbolic characters.
- ❒ You can use the following single-byte characters: space ! " # $ % & ' ( ) * + , - ./ 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
- ❒ Change the password regularly. We recommend you change it at least once in every six months.
- ❒ 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.

Note

- ❒ Only passwords of users who are currently logged in can be changed. If you login as “RC Gate registrant”, you cannot change the “RC Gate administrator” password. If you login as the “RC Gate administrator”, you cannot change the “RC Gate registrant” password.
- ❒ Changed passwords become valid at next login.

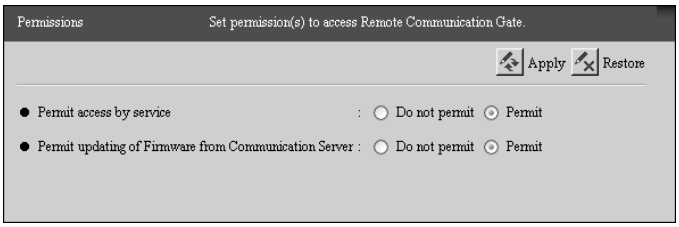
Items	Descriptions	Admin	Registrant
Current password	Enter the password you are currently using.	❍	❍
New password	Enter a new password.	❍	❍
Confirm password	Reenter the new password to confirm it.	❍	❍

❍: Able to Enter/Change

Permissions

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can permit or deny service access by the customer engineer and firmware updates from the Communication Sever. Select **[Security]** - **[Permissions]** to open the dialog box shown below.



Items	Description	Admin	Registrant
Permit access by service	To deny service access to the equipment, select “Do not permit”. To permit service access, select “Permit”.	❍	-
Permit updating of Firmware from Communication Server	To deny RC Gate firmware updates from the Communication Server, select “Do not permit”. To permit RC Gate firmware updates, select “Permit”.	❍	-

-: Not Shown ❍: Able to change

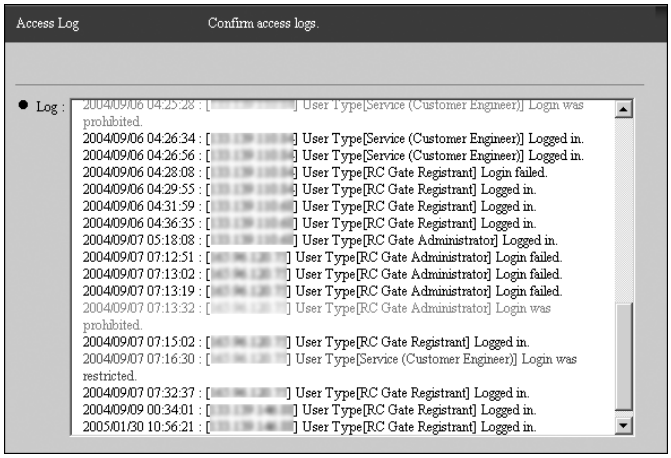
Important

- ❒ You can permit or deny the customer engineer's inspection and repair access to the equipment. If you select “Do not permit”, customer engineer access is denied until the “RC Gate administrator” sets **[Permit access by service]** to “Permit”. If you deny service access, the equipment may not be properly serviced. For thorough maintenance, contact a maintenance-specialist customer engineer.
- ❒ To receive the latest RC Gate firmware updates from the Communication Server, set **[Permit updating of Firmware from Communication Server]** to “Permit”. To use the original, factory-installed version, select “Do not permit”.

Access Log

Common to the “E-mail (SMTP)” and “Internet encryption communication (HTTPS)” Method

You can confirm the access log to the equipment. Click **[Security]** - **[Access Log]** to show the screen.



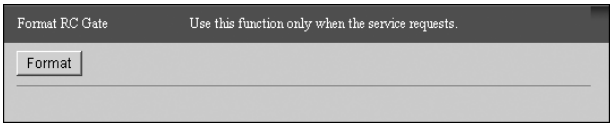
Items	Descriptions	Admin	Registrant
Log	Access time (in UTC), IP address, User (permission name), and login results will be shown. When access has been forbidden, the log will be shown in red. When access has been restricted, the log will be shown in blue.	†	†

†: Confirmation Only

Format RC Gate

When using the “E-mail (SMTP)” Method

You can format and initialize the registered information and change the settings when using the “E-mail (SMTP)” method. Click **[Security]** - **[Format RC Gate]** to show the screen.



Items	Descriptions	Admin	Registrant
Format (button)	Initializes all of the information registered with the “E-mail (SMTP)” method.	❍	-

-: Not Shown ❍: Able to click

Troubleshooting

When Error Messages Appear

Message	Reason and Action
Some item(s) have not been selected. Click [Back] to return the previous screen, then select the item(s).	Clicked **[Next]** without making a check to **[Select]** in the **[Device Registration Wizard: Search Results]** screen. Click **[Back]** and return to **[Device Registration Wizard: Search Results]** and check **[Select]** of the device(s) to register.
Internal errors System error(s) have occurred. Please call service for instructions. - (error code of four digits)	An error has occurred in the system. Contact your service representative with the error code.
Processing was incomplete as the line was busy. Retry later. If the same error occurs, please call service for instructions.	An error such as a database error or a program malfunction has occurred in the Communication Server. If the Communication Server does not recover after while, contact your service representative.
Check Request No. If the same error occurs, call service for instructions.	If this error occurs even if you entered the correct Request No., the error might be caused by a mismatch of registered information between the registered information in the Communication Server and entered information. Mismatch may occur when you entered the device having already been registered, not registering as a managing device, or registering as a device in a different group. Contact your service representative.
Invalid access. Log in again.	Other than invalid access, this error occurs when you open multiple windows by a web browser and make settings with one window and give a request on the other. Do not open multiple windows with a web browser.
You do not have privileges to use this function. Contact Remote Communication Gate administrator to check the settings.	Access will be forbidden for a minute because there was 3 login failures within 5 minutes. Wait for 1 minute and the access lock will automatically be released.

If Problems Described in Error Messages Persist

Contact your service representative if problems described in error messages persist.

When the Office or Devices are Moved

Registration to the Communication Server is required in the following cases. Contact your service representative.

- When your office has moved (The equipment has moved)
- When managed devices are moved (Except Auto Discovery)
- When managed devices are newly connected (Except Auto Discovery)
- When managed devices are deleted (Except Auto Discovery)

To Return the RC Gate

Contact your service representative when you no longer require the equipment. Your service representative will collect it and, for security purposes, will erase all information it has stored.

Error Codes

Web UI Error Code	Cause	Solution
-1703	Cannot register RC Gate.	Check whether or not the RC Gate is already registered. If the "Auto Discovery Setting Wizard" button is displayed on the Top screen of RC Gate wizard, it is already registered.
-2202	Cannot locate device.	Check the OA I/F (RS-485) cable is connected.
-2303	Internal application error	Repeat the operation. If the problem persists, reboot (disconnect and then reconnect RC Gate's power cord), and then repeat the operation. Contact your service representative for details.
-2320	Cannot register device.	Check the number of registered devices does not exceed the maximum. Up to 100 devices can be registered per RC Gate.
-2323	No search range entered when searching for the managing devices.	Enter the search range before proceeding to the next page.
-2324	No device selections made when device information requested.	Make selections and register the device.
-2325	Device registered with no device selections made.	Make selections and register the device.

Web UI Error Code	Cause	Solution
-2340	RC Gate cannot connect to Communication Server.	Check the RC Gate to Communication Server connection (supplied LAN cable).
-2341	RC Gate Wizard does not appear.	Set the computer's Cookie to “Enable Cookies.”
-2343	Cannot log in to RC Gate.	Check whether login has already been performed. If it has, check the entered password is correct. Contact your service representative for details.
-2385	Cannot connect via dial-up.	Check the entered country code is correct. Contact your service representative for details.
-2391	Cannot register device.	The device is already registered to another RC Gate. To register, it is necessary to return the device. Contact your service representative for details.
-2398	Cannot register RC Gate.	Check the entered Request No. is correct. Contact your service representative for details.
-2603	RC Gate cannot connect to Communication Server (connection error).	Check the RC Gate to Communication Server connection (supplied LAN cable).
-2604	RC Gate cannot connect to Communication Server (server command reception error).	Check the RC Gate to Communication Server connection (supplied LAN cable).
-2605	RC Gate cannot connect to Communication Server (server command reception error).	Check the RC Gate to Communication Server connection (supplied LAN cable).
-2620	Proxy authentication error.	Check the Proxy setting is correct.
-2670	PPP communication error.	Check the telephone line is connected
-2671	PPP authentication error.	Check the telephone line is connected
-5309	RC Gate cannot connect to Communication Server / Unable to send e-mail to administrator from RC Gate.	Check the mail server setting is correct.
-5310	Processing - cannot begin new operation.	Another communication is being processed. Wait a short while, and then try again.

Default Settings

Item	Default Value	Remarks
Permit sending IP addresses	Permit (default)	
LAN type	Wired	
DHCP	Disable	
Subnet Mask	255.255.255.0	See the network setup screens
Ethernet speed	Auto select	
Proxy server	Disable	
Proxy port	8080	
RC Gate E-mail address (for sender)	rc_gate	
Number of times to resend E-mail	3 times	
Resend E-mail interval time	15 seconds	
SMTP server port	25	
SMTP_AUTH	Disable	
POP before SMTP	Disable	
POP server port	110	
Transmission speed	Auto select	If using wireless LAN
WEP (encryption)	Disable	If using wireless LAN
Line connection	RC Gate and fax shared line (RC Gate priority)	Dial-up only
Pulse/Tone dialing line	Tone dialing phone	Dial-up only
Permit access by service	Permit	
Permit updating of Firmware from Communication Server	Permit	
IP address search range	0.0.0.0 to 0.0.0.0	If using **[RC Gate Registration Wizard]**
SNMP Community Name	public	If using **[RC Gate Registration Wizard]**
Display items	10 addresses	If using **[RC Gate Registration Wizard]**

Note

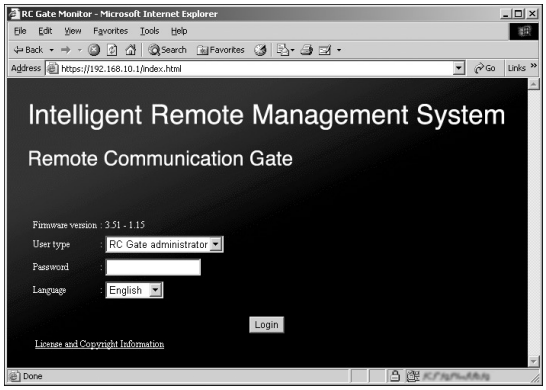
❒ The default display language and time zone settings vary depending on where the equipment is used.

Information about Installed Software

The following is a list of the software included in this equipment:

- GPL/LGPL applicable software
- ash
- OpenSSL toolkit
- zlib
- Apache
- Expat
- Sablotron
- net-snmp
- Software for Digest Access Authentication
- mod_ssl

You can check the information about license and copyright of each software, by clicking a button linked to **[License and Copyright Information]** in the "RC Gate Monitor Login" page.



Specifications

Model name	Remote Communication Gate Type BN1	Remote Communication Gate Type BM1 *1
Type	Box type	
Interface	Ethernet interface ×2 (10BASE-T or 100BASE-TX) OA I/F ×1	
	—	Modular interface ×2 (LINE/FAX)
Modem	—	ITU-T V.34 (max. 33,600bps)
Option	Wireless LAN Card (PCMCIA type II interface ×2, IEEE 802.11b card ×1)	—
Indicator	LED ×3	
Protocols	TCP/IP, SNMP, HTTPS, SOAP, SMTP, DHCP	
Managing devices	Digital MFPs, copiers, and printers correspondent to the service	

Maximum number of devices to be connected	• Internet encryption communication (HTTPS) Method
	  • Controlled devices registered to the Communication Server
	  100 devices (including a maximum of 5 devices connected to the RS-485 interface)
	  • Auto Discovery
	  500 devices (including the devices registered to the Communication Server on the Network)
	• E-mail (SMTP) Method
	  • Auto Discovery
	  500 devices	

Environment	10-32°C (50-89.6°F), 15-80%RH	
Power	AC 220–240V, 50Hz	
Power Consumption	20W or less	
DC resistance	—	350Ω
Dimensions	Width 203mm (8") /Depth 145mm (5.8") /Height 31.5mm (1.2")	
Weight	Under 1kg (2.2lbs)	

*1 You may not be able to use the equipment according to your telephone line environment and for regional reasons.

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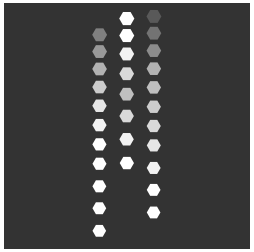
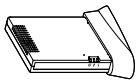
Remote Communication Gate Type BN1/BM1 Operating Instructions





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