

IX System

IP network-compatible intercom

Master Station

IX-MV7-HW, IX-MV7-HB, IX-MV7-W, IX-MV7-B

Web Setting Manual

Software version 1.00 or later

Important

- Before configuring and using the system, read Web Setting Manual (this document) and Operation Manual carefully.
- For the installation and connection of each device, refer to "Installation Manual."
- Begin installation after reading and understanding the procedures for system configuration.
- The setting file must be backed up and stored in a safe location after configuration is complete.
- The illustrations and images in this manual may vary from the actual ones.

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Introduction

This manual describes how to set up IX-MV7-* through a web browser.

IX system offers a separate manual for Installation, Settings, and Operations. Refer to the relevant manual.

1. Notational symbols in this manual

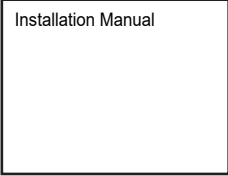
The following symbols identify important information concerning operational procedures.

 Warning	This symbol indicates that failure to observe this warning or improper use may result in serious injury or death.
 Caution	This symbol indicates that failure to observe this caution or improper use may result in moderate injury or product damage.
 Important	Indicates important instructions that should be observed or avoided, and what should be known before operation. Please read and understand before proceeding.
 Note	This symbol indicates supplementary information regarding functions, operations, and use.

- Terms displayed on main unit and PC screens are indicated as **[XXXX]**.
- The pages that you should refer to are indicated as "[Title \(→ page XX\)](#)", ([→ page XX](#)), or [page XX](#).
- The illustrations and screen shots in this manual may vary from the actual ones.

2. Product manuals

Read the "Installation Manual," "Setting Manual," and "Operation Manual" as needed. Have the person who installs or configures the product refer to the relevant manuals.

	Installation Manual (comes with each station.) Refer to this when you install and connect a station. (This manual is for the installer.)
The manuals listed to the right can be found on our Web site at https://www.aiphone.net/product/support/ for download and reference.	IX Support Tool Setting Manual (Electronic format (PDF file).) Describes how to configure and maintain the system using IX Support Tool. (For system administrator)
	Monitoring Software (IX Supervision Tool) Operation Manual (Electronic format (PDF file).) Describes how to use the Monitoring Software. (For system administrator)
	Operation Manual (Electronic format (PDF file).) Describes how to use each station. (For user)
	Web Setting Manual (Electronic format (PDF file).) Describes how to set up each station through a Web browser. (For system administrator)
	Installation Manual (Electronic format (PDF file).) Describes how to install each station. (For installer)

3. Configuring the system

After installing and connecting all stations, the system will need to be fully configured before it will be operational. IX system can be configured in one of the two methods below. Choose one method. Using the "IX Support Tool" (1) is the recommended method.

- (1) Configure using the "IX Support Tool" application
 - Install the application on a PC and use to create the setting file for all stations.
 - You can search for IX systems on the network from a PC, and then assign and upload created setting files to selected stations.
- (2) Configure each station through a Web browser (Web configuration)
 - Access each station through a Web browser and enter setting data.
 - When configuring a station without using the dedicated application, settings must be input and setting data must be stored for each station.

Important

- When first configuring a station through a Web browser, you may be unable to transfer data to the IX Support Tool. We recommend using the IX Support Tool to configure settings the first time.
- If Web configuration is used to change the "Identification" ["Number♠♣ \(→page 64\)"](#), "ID and password" ["Administrator ID♠♣ \(→page 65\)"](#) ["Administrator Password♠♣ \(→page 65\)"](#), "IPv4 Address" ["IP Address♠♣ \(→page 70\)"](#), "IPv6 Address" ["IP Address♠♣ \(→page 70\)"](#), or "Address Book" ["Station List♠♣ \(→page 89\)"](#) configured using the IX Support Tool, it will not be applied to the IX Support Tool data.

4. Flowcharts for configuring the system

When configuring the system through a browser, follow the flowchart that fits the application. Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 194\)”](#) for information on how to save setting data. If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

Flowcharts are for configuration through a Web browser.

When configuring the system with IX Support Tool, refer to IX Support Tool Setting Manual.

For Static IPv4 Address



- [“Create new data \(→page 10\)”](#)
- [“Change the settings \(→page 11\)”](#)
- [“Add a station \(→page 12\)”](#)
- [“Delete a station \(→page 13\)”](#)
- [“Replace a station \(→page 14\)”](#)

For IPv4 Address with DHCP



- [“Create new data \(→page 15\)”](#)
- [“Change the settings \(→page 17\)”](#)
- [“Add a station \(→page 18\)”](#)
- [“Delete a station \(→page 19\)”](#)
- [“Replace a station \(→page 20\)”](#)

For Static IPv6 Address



- [“Create new data \(→page 21\)”](#)
- [“Change the settings \(→page 23\)”](#)
- [“Add a station \(→page 24\)”](#)
- [“Delete a station \(→page 25\)”](#)
- [“Replace a station \(→page 26\)”](#)

For stateless IPv6 Address



- [“Create new data \(→page 27\)”](#)
- [“Change the settings \(→page 29\)”](#)
- [“Add a station \(→page 30\)”](#)
- [“Delete a station \(→page 32\)”](#)
- [“Replace a station \(→page 33\)”](#)

For IPv6 Address with DHCP



- [“Create new data \(→page 34\)”](#)
- [“Change the settings \(→page 36\)”](#)
- [“Add a station \(→page 37\)”](#)
- [“Delete a station \(→page 39\)”](#)
- [“Replace a station \(→page 40\)”](#)

4.1 For Static IPv4 Address

! Important

- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 194\)”](#).
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.1.1 Create new data

Use this flowchart to create a new setting file, e.g., when installing a new system.

1. Connect your PC to the station to be configured.

The default IP addresses of the stations are identical. Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



2. Log in to the Web server of the station to configure.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



3. First, configure [“Language \(→page 66\)”](#).

Click **[Update]** to update the settings.



4. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



5. Configure other stations in the same manner.

Refer to each station's Web Setting Manual.



6. Set the display language for each station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



7. Finished.

4.1.2 Change the settings

Use this flowchart to change the settings.

1. Log in to the Web server of the station whose settings are to be modified.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



2. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



Did you change the [Number], [Name], [Location], or [IP Address]?

YES



3. Revise settings for other stations and software related to what was changed.



4. Finished.

NO



3. Finished.

4.1.3 Add a station

Use this flowchart to add a station.

1. Connect your PC to the station you want to add.

Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



2. Log in to the Web server of the station to be added.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



3. First, configure “Language (→page 66)”.

Click **[Update]** to update the settings.



4. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



5. Add data to other stations and software if required.



6. Set the display language of the added station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



7. Finished.

4.1.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to perform Step 1 below. Otherwise, operation may become slower.

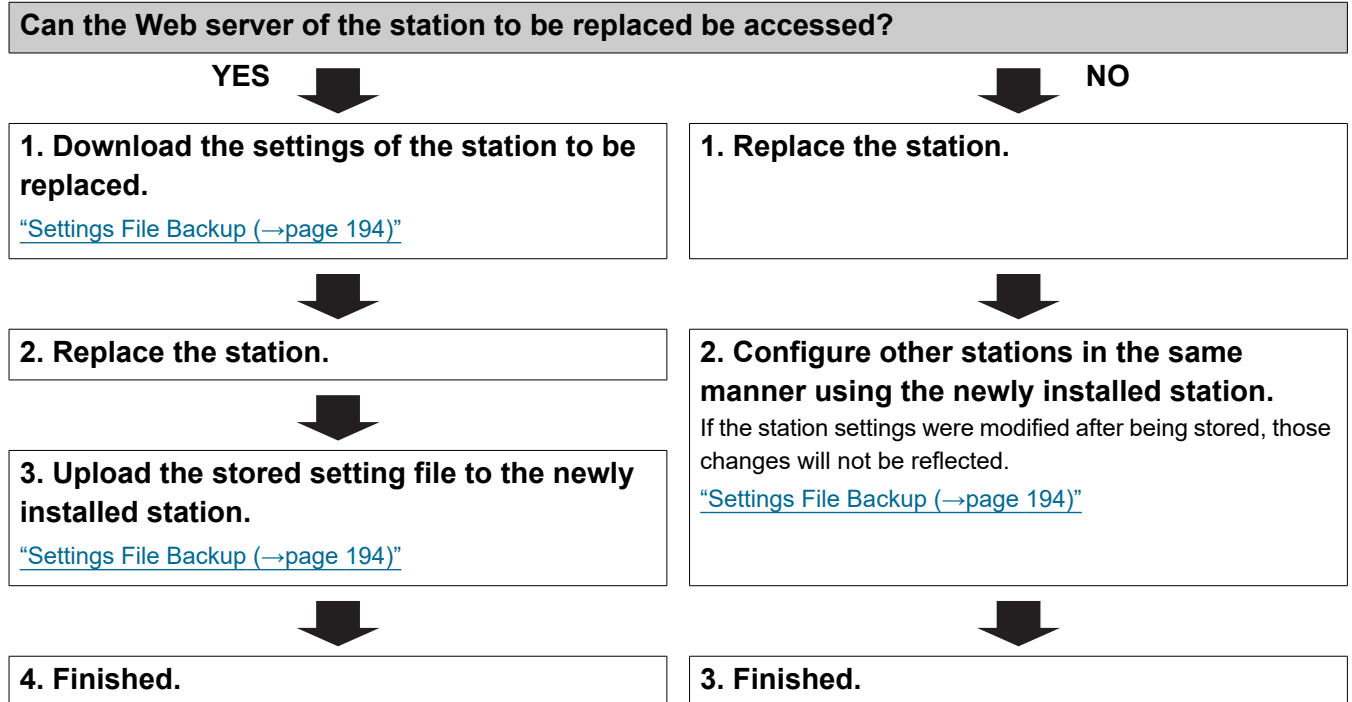
1. Delete the data for the station to delete from all other stations and software.



2. Finished.

4.1.5 Replace a station

Use this flowchart to replace a station.



4.2 For IPv4 Address with DHCP

! Important

- Due to the architecture of the IX system, DHCP configuration is only recommended for network environments utilizing managed (static) IP address leasing. For how to set up the DHCP server, refer to its manual.
- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 194\)”](#).
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.2.1 Create new data

Use this flowchart to create a new setting file, e.g., when installing a new system.

1. Install the DHCP server.



2. Connect your PC to the station to be configured.

The default IP addresses of the stations are identical. Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



3. Log in to the Web server of the station to configure.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



4. Set "IP addressing method" to "IPv4 DHCP."

[“Static / DHCP \(→page 69\)”](#)

The station is restarted and the IP address assigned by the DHCP server beforehand will be assigned. If an IP address cannot be assigned, it will default to "192.168.1.160." If this happens, cycle power to the station, and then the IP address will be assigned again.



5. Log in to the Web server of the station with the assigned IP address.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



6. First, configure [“Language \(→page 66\)”](#).

Click **[Update]** to update the settings.





7. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



8. Configure other stations in the same manner.

Refer to each station's Web Setting Manual.



9. Set the display language for each station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



10. Finished.

4.2.2 Change the settings

Use this flowchart to change the settings.

1. Log in to the Web server of the station whose settings are to be modified.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



2. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



Did you change the [Number], [Name], [Location], or [IP Address]?

YES



3. Revise settings for other stations and software related to what was changed.



4. Finished.

NO



3. Finished.

4.2.3 Add a station

Use this flowchart to add a station.

1. Configure the DHCP server to assign a static IP address.

Refer to the DHCP server's manual for information on how to configure the DHCP server.



2. Connect your PC to the station you want to add.

Connect one at a time.

["Connecting to a PC \(→page 45\)"](#)



3. Log in to the Web server of the station to be added.

["Log in to the Web server of the station to be configured \(→page 46\)"](#)



4. Set "IP addressing method" to "IPv4 DHCP."

["Static / DHCP \(→page 69\)"](#)

The station is restarted and the IP address assigned by the DHCP server beforehand will be assigned. If an IP address cannot be assigned, it will default to "192.168.1.160." If this happens, cycle power to the station, and then the IP address will be assigned again.



5. Log in to the Web server of the station with the assigned IP address.

["Log in to the Web server of the station to be configured \(→page 46\)"](#)



6. First, configure ["Language \(→page 66\)"](#).

Click **[Update]** to update the settings.



7. Configure the station.

Configure according to the explanations for each entry. ["Configuring the Station \(→page 63\)"](#)



8. Add data to other stations and software if required.



9. Set the display language of the added station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



10. Finished.

4.2.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to perform Step 1 below. Otherwise, operation may become slower.

1. Delete the data for the station to delete from all other stations and software.



2. Finished.

4.2.5 Replace a station

Use this flowchart to replace a station.

1. Configure the DHCP server so that the new station installed inherits the IP address assigned to the replaced station.

Refer to the DHCP server's manual for information on how to configure the DHCP server.

Can the Web server of the station to be replaced be accessed?

YES

NO

2. Download the settings of the station to be replaced.

["Settings File Backup \(→page 194\)"](#)

2. Replace the station.

3. Replace the station.

4. Upload the stored setting file to the newly installed station.

["Settings File Backup \(→page 194\)"](#)

3. Configure other stations in the same manner using the newly installed station.

If the station settings were modified after being stored, those changes will not be reflected.

["Settings File Backup \(→page 194\)"](#)

5. Finished.

4. Finished.

4.3 For static IPv6 address

! Important

- Save the settings after configuring the system. Refer to [“Settings File Backup \(→page 194\)”](#).
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.3.1 Create new data

Use this flowchart to create a new setting file, e.g., when installing a new system.

1. Connect your PC to the station to be configured.

The default IP addresses of the stations are identical. Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



2. Log in to the Web server of the station to configure using its IPv4 address (default values).

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



3. Set "IP addressing method" to "Static IPv6" and configure "IPv6 Address."

[“Static / DHCP \(→page 69\)”](#)

The station will be restarted with the assigned IPv6 Address.



4. Configure IPv6 addresses for other stations in the same manner.



5. Log in to the Web server of each station using the set IPv6 address.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



6. First, configure [“Language \(→page 66\)”](#).

Click **[Update]** to update the settings.





7. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)
Refer to each station's Web Setting Manual.



8. Set the display language for each station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



9. Finished.

4.3.2 Change the settings

Use this flowchart to change the settings.

1. Log in to the Web server of the station whose settings are to be modified.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



2. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



Did you change the [Number], [Name], [Location], or [IP Address]?

YES



3. Revise settings for other stations and software related to what was changed.



4. Finished.

NO



3. Finished.

4.3.3 Add a station

Use this flowchart to add a station.

1. Connect your PC to the station you want to add.

Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



2. Log in to the Web server of the added station using its IPv4 address (default values).

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



3. Set "IP addressing method" to "Static IPv6" and configure "IPv6 Address."

[“Static / DHCP \(→page 69\)”](#)

The station will be restarted with the assigned IPv6 Address.



4. Log in to the Web server of the added station using its IPv6 address.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



5. First, configure [“Language \(→page 66\)”](#).

Click **[Update]** to update the settings.



6. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



7. Add data to other stations and software if required.



8. Set the display language of the added station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.

9. Finished.

4.3.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to perform Step 1 below. Otherwise, operation may become slower.

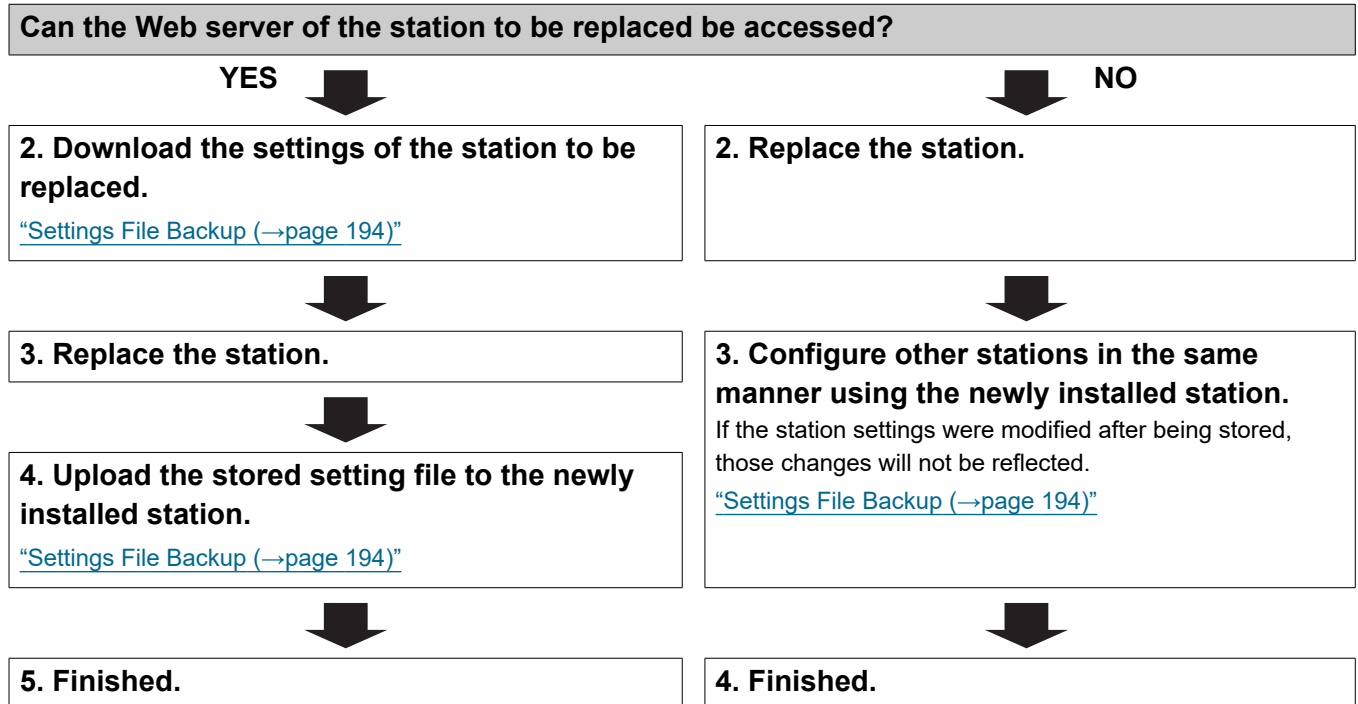
1. Delete the data for the station to delete from all other stations and software.



2. Finished.

4.3.5 Replace a station

Use this flowchart to replace a station.



4.4 For Stateless IPv6 Address

! Important

- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 194\)”](#).
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.4.1 Create new data

Use this flowchart to create a new setting file, e.g., when installing a new system.

Support Tool is needed to configure the system using this flowchart. Install Support Tool, and set for IPv6. For set up information, refer to "IX Support Tool Setting Manual."

1. Install a device (such as a router) capable of sending RAs (capable of stateless automatic configuration).

Do not change the device so that it cannot transmit Router Advertisements (RA). For how to set up, refer to the manual of the device.



2. Connect your PC to the station to be configured.

The default IP addresses of the stations are identical. Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



3. Log in to the Web server of the station to configure using its IPv4 address (default values).

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



4. Set "IP addressing method" to "IPv6 Stateless."

[“Static / DHCP \(→page 69\)”](#)

The station is restarted and an IPv6 address is automatically configured. If the IP address fails to be automatically configured, it will become "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be automatically reconfigured.



5. Configure other stations to be "IPv6 Stateless" in the same manner.



6. Search each station with Support Tool for its IPv6 address.





7. Log in to the Web server of each station with the IPv6 addresses identified.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



8. First, configure [“Language \(→page 66\)”](#).

Click **[Update]** to update the settings.



9. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)
Refer to each station's Web Setting Manual.



10. Set the display language for each station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



11. Finished.

4.4.2 Change the settings

Use this flowchart to change the settings.

1. Log in to the Web server of the station whose settings are to be modified.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



2. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



Did you change the [Number], [Name], [Location], or [IP Address]?

YES



3. Revise settings for other stations and software related to what was changed.



4. Finished.

NO



3. Finished.

4.4.3 Add a station

Use this flowchart to add a station.

Support Tool is needed to configure the system using this flowchart. Install Support Tool, and set for IPv6. For set up information, refer to "IX Support Tool Setting Manual."

1. Connect your PC to the station you want to add.

Connect one at a time.

["Connecting to a PC \(→page 45\)"](#)



2. Log in to the Web server of the added station using its IPv4 address (default values).

["Log in to the Web server of the station to be configured \(→page 46\)"](#)



3. Set "IP addressing method" to "IPv6 Stateless."

["Static / DHCP \(→page 69\)"](#)

The station is restarted and an IPv6 address is automatically configured. If the IP address fails to be automatically configured, it will become "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be automatically reconfigured.



4. Search each station to be added with Support Tool for its IPv6 address.



5. Log in to the station's Web server with the IPv6 address identified.

["Log in to the Web server of the station to be configured \(→page 46\)"](#)



6. First, configure ["Language \(→page 66\)"](#).

Click **[Update]** to update the settings.



7. Configure the station.

Configure according to the explanations for each entry. ["Configuring the Station \(→page 63\)"](#)



8. Add data to other stations and software if required.





9. Set the display language of the added station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



10. Finished.

4.4.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to perform Step 1 below. Otherwise, operation may become slower.

1. Delete the data for the station to delete from all other stations and software.

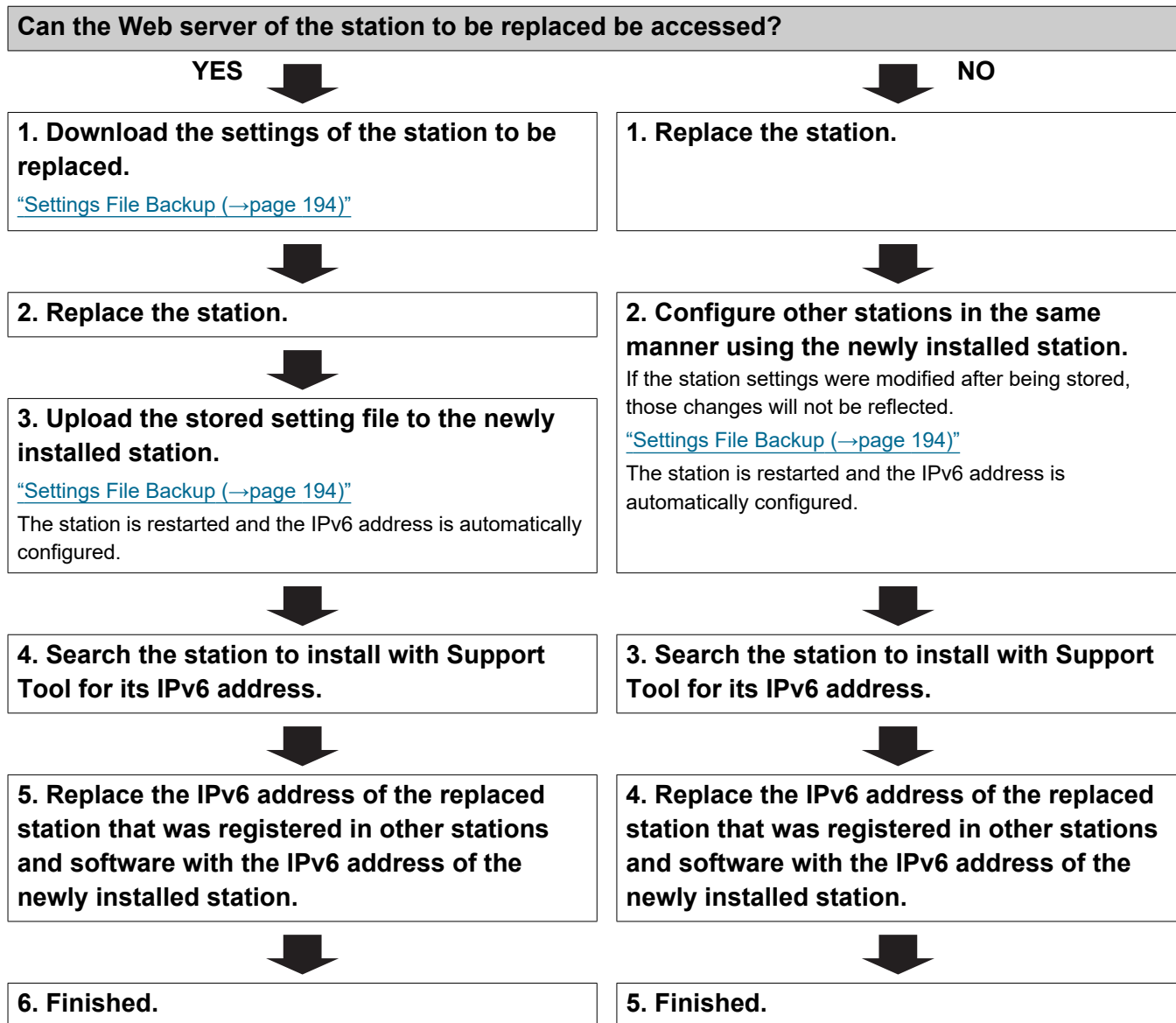


2. Finished.

4.4.5 Replace a station

Use this flowchart to replace a station.

Support Tool is needed to configure the system using this flowchart. Install Support Tool, and set for IPv6. For set up information, refer to "IX Support Tool Setting Manual."



4.5 For IPv6 Address with DHCP

! Important

- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 194\)”](#).
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.5.1 Create new data

Use this flowchart to create a new setting file, e.g., when installing a new system.

1. Install the DHCP server.

Configure the system so that the DHCP server assigns a static IP address to each station. The DUID of the station is "00030001 + MAC address."

Refer to the DHCP server's manual for information on how to configure the DHCP server.



2. Connect your PC to the station to be configured.

The default IP addresses of the stations are identical. Connect one at a time.

[“Connecting to a PC \(→page 45\)”](#)



3. Log in to the Web server of the station to configure using its IPv4 address (default values).

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



4. Set "IP addressing method" to "IPv6 DHCPv6."

[“Static / DHCP \(→page 69\)”](#)

The station is restarted and the IPv6 address assigned by the DHCP server beforehand will be assigned. If an IP address cannot be assigned, it will default to "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be assigned again.



5. Configure other stations in the same manner.



6. Log in once again to the Web servers of each station with the assigned IPv6 addresses.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)





7. First, configure [“Language \(→page 66\)”](#).

Click **[Update]** to update the settings.



8. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)
Refer to each station's Web Setting Manual.



9. Set the display language for each station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



10. Finished.

4.5.2 Change the settings

Use this flowchart to change the settings.

1. Log in to the Web server of the station whose settings are to be modified.

[“Log in to the Web server of the station to be configured \(→page 46\)”](#)



2. Configure the station.

Configure according to the explanations for each entry. [“Configuring the Station \(→page 63\)”](#)



Did you change the [Number], [Name], [Location], or [IP Address]?

YES



3. Revise settings for other stations and software related to what was changed.



4. Finished.

NO



3. Finished.

4.5.3 Add a station

Use this flowchart to add a station.

1. Configure the DHCP server to assign a static IP address.

The DUID of the station is "00030001 + MAC address."

For how to set up the DHCP server, refer to its manual.



2. Connect a PC to the station to be added.

Connect stations one at a time to avoid IP address conflict.

["Connecting to a PC \(→page 45\)"](#)



3. With the default IPv4 Address, log in to the Web server of the station to be added.

["Log in to the Web server of the station to be configured \(→page 46\)"](#)



4. Set "Static / DHCP" to "IPv6 DHCPv6."

["Static / DHCP \(→page 69\)"](#)

The station restarts and the IPv6 address that is configured with the DHCP server beforehand is assigned. If the IP address fails to be automatically configured, it will become "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be automatically reconfigured.



5. Log in to the Web server of the station with the assigned IP address.

["Log in to the Web server of the station to be configured \(→page 46\)"](#)



6. Configure ["Language \(→page 66\)"](#).

Click **[Update]** to update the settings.



7. Configure the station.

"Configuring the station" ["Configuring the Station \(→page 63\)"](#)





8. Add data to other stations and software if required.



9. Set the display language of the added station (IX-MV and IX-MV7-*).

Refer to each station's Operation Manual.



10. Finished.

4.5.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to perform Step 1 below. Otherwise, operation may become slower.

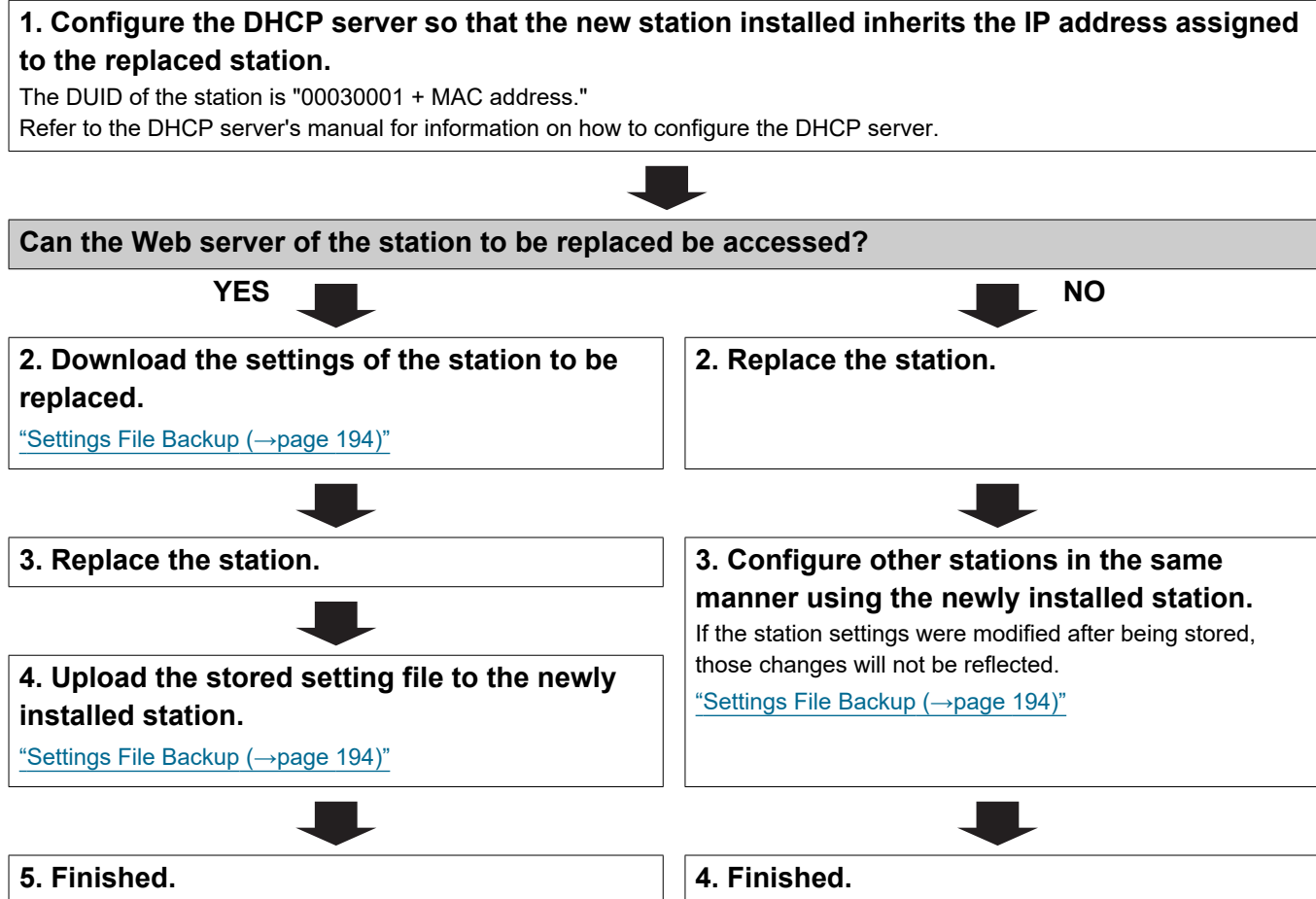
1. Delete the data for the station to delete from all other stations and software.



2. Finished.

4.5.5 Replace a station

Use this flowchart to replace a station.





Startup and configuration

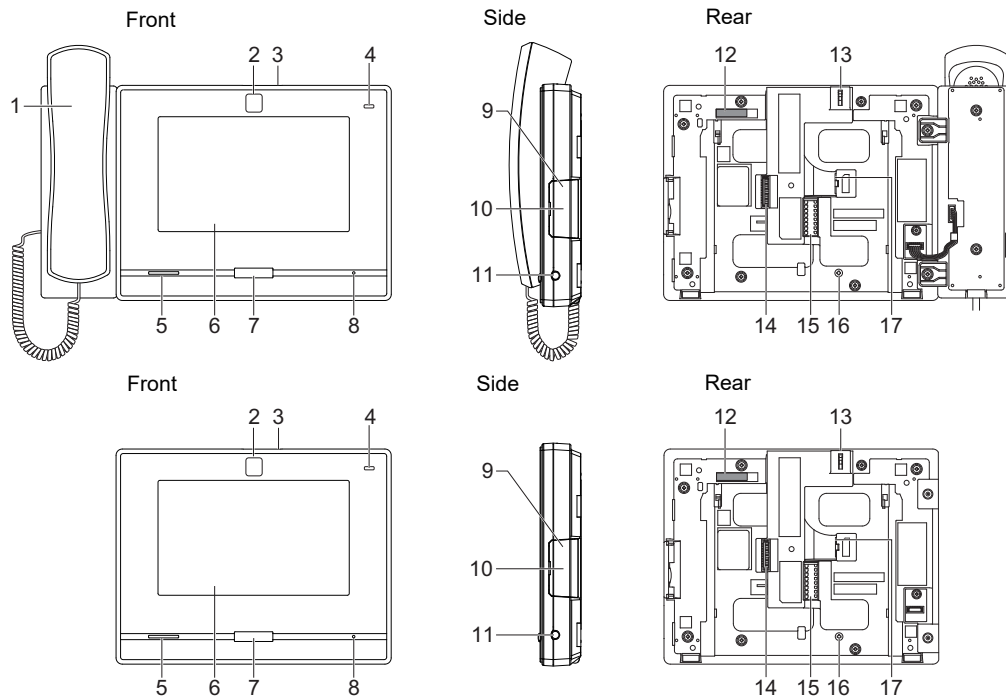


1. System requirements

Your PC must satisfy the following system requirements for configuration.

Network	Ethernet (10 BASE-T, 100 BASE-TX)
Web browser	Microsoft Edge/Internet Explorer 10.0, 11.0 / Mozilla Firefox 59 or 60 (TLS1.0, 1.1, or 1.2 enabled)

2. Part Names



1	Handset	10	microSD card slot*1
2	Camera	11	3.5 mm 4-pole mini jack
3	Privacy mask lever (top)	12	MAC address
4	Status indicator (orange/blue)	13	Camera angle adjustment lever
5	Speaker	14	Option connector terminal
6	LCD (touch panel)	15	Weak electrical current line connection terminal
7	Home button	16	Desktop stand screw hole
8	Microphone	17	LAN terminal
9	Reset button*1*2		

*1 Found by opening cover.

*2 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

■ Indicators

☀: On; □ : Off

Name	Status (pattern)		Description
Status indicator	Orange flashing	Normal flashing 	Booting
		Fast flashing 	Device failure, startup error
		Long OFF time flashing 	Communication failure Line monitoring/ malfunction monitoring error
		Long initial light ON flashing 	Firmware version upgrading
		Long initial light ON flashing 	Initializing
	Blue light		Operating properly (this indicator does not light depending on the setting during standby)



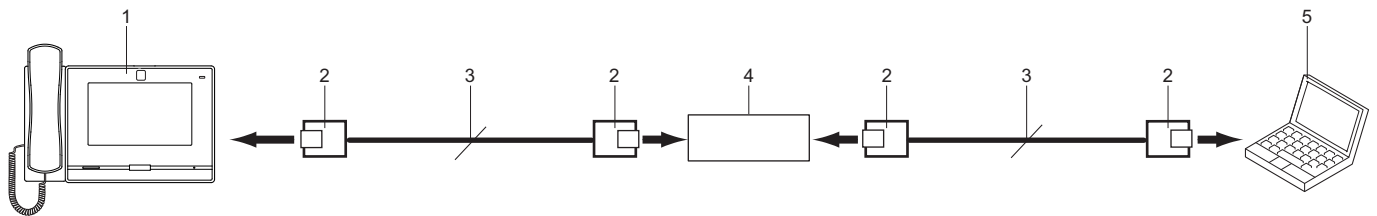
Note

- For a status other than those noted here, refer to "Operation Manual."

3. Connecting to a PC

Connect the station with a PC using a PoE compatible switch.

- Use CAT5e/6 straight cable to connect the devices through the LAN port.
- The station will start up with the default IP address of 192.168.1.160 and subnet mask of 255.255.255.0. Change the PC IP address as necessary.



1	Master station	4	PoE compatible switch
2	RJ45	5	PC
3	CAT5e/6 straight cable		

 **Note**

- The display language is English by factory default.

4. Log in to the Web server of the station to be configured

1. Apply power to the station.
 - Power is supplied by a PoE compatible switch.
 - The status indicator flashes (orange) when the station is starting.
 - The status indicator will light up blue once the station has started up.
2. Start the PC and open the browser.
3. Enter the address below in the address bar of the browser to access the configuration Web server.

<https://IP address/webset.cgi?login>

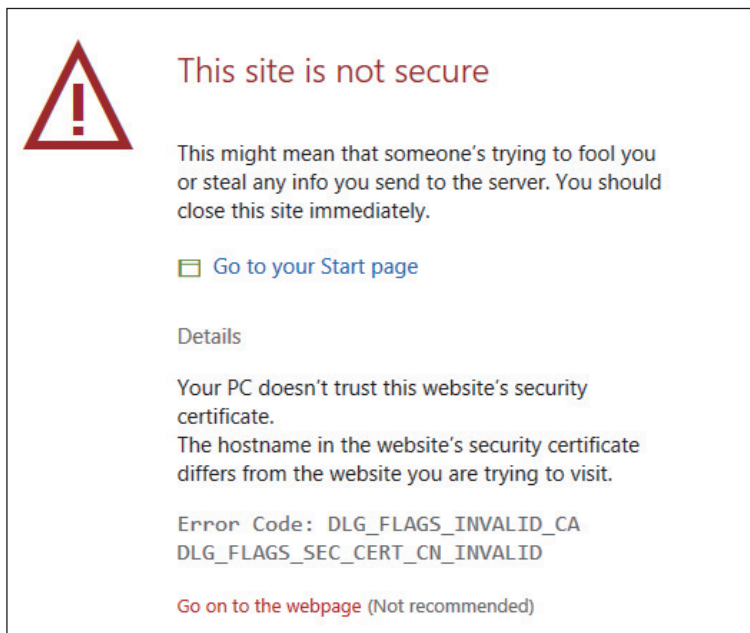
 - Enter the IP address of the station to be configured.
 - If the IP address is IPv6, put brackets ([]) around it.
 - The default IP address is 192.168.1.160, and the subnet mask is 255.255.255.0.



Note

- If a station cannot be accessed, press and hold the reset button until the status indicator flashes orange. The IP Address, Subnet Mask, Administrator ID, Administrator Password, User ID, and User Password will return to default. Access the device within one minute of resetting.

4. A certificate error screen is displayed. Click **[Go on to the webpage]**.



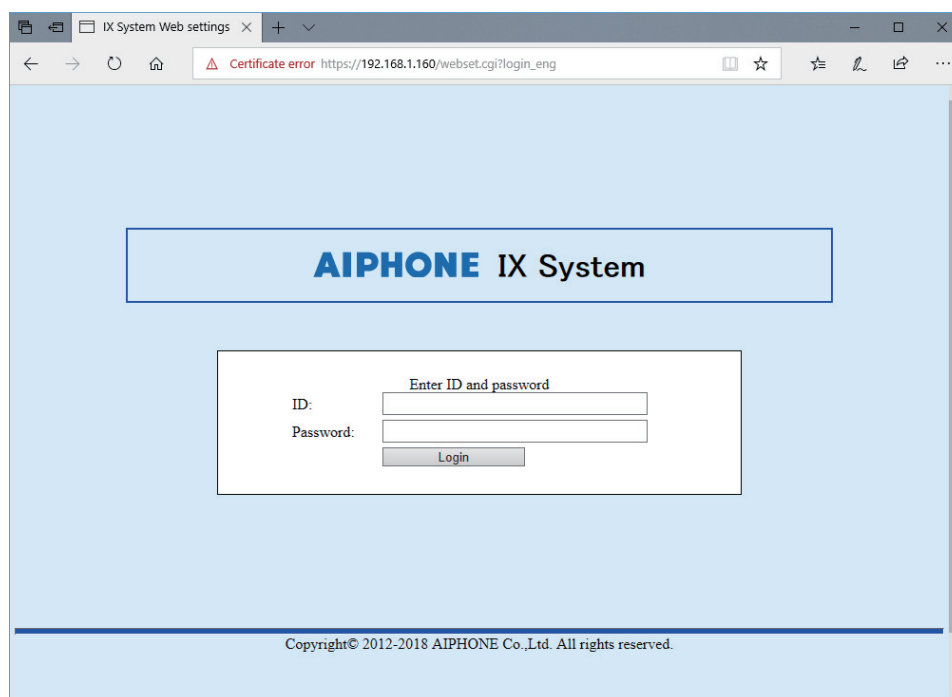
Important

- To prevent the certificate error screen from appearing, perform the procedures described in [“CSR \(→page 148\)”](#) and [“SSL Certificate \(→page 150\)”](#).

5. Select the language. The login window of the selected language will be displayed.
- The Web settings window will also be displayed in the selected language.



6. Enter your ID and password.



Privileges	Default values
Administrator privileges	ID: admin Password: admin
User privileges	ID: user Password: user

! Important

- When you first log on, be sure to change your ID and password.

7. Click **[Login]** to show the setting window.

💡 Note

- Do not log in to multiple devices simultaneously on the same PC.

5. Setting window

When logging into the Web server of the station, the following setting window will be displayed. This window will be used to configure the station.

- Depending on PC and OS being used, the window may be slightly different.
- After configuring the station, confirm its operation by referring to "Operation Manual."

Setting window sample

Settings window: This indicates the Settings window of the title selected.

Update button: Click this button to update the station settings.

The screenshot shows the AIPHONE IX System Setting web interface. The browser address bar displays the URL `https://192.168.1.160/webset.cgi?setting`. The page title is "AIPHONE IX System Setting". The left sidebar contains a "Setting menu" with the following categories: Station Information, Network Settings, System Information, Call Settings, and Option Input / Relay Output. The main content area is titled "Station Information" and displays configuration fields for Identification and ID and Password. The Identification section includes fields for Number (3-5 digits), Name (1-24 alphanumeric characters), and Location (1-24 alphanumeric characters). The ID and Password section includes fields for Administrator ID (1-32 alphanumeric characters), Administrator Password (1-32 alphanumeric characters), User ID (1-32 alphanumeric characters), and User Password (1-32 alphanumeric characters). An "Update" button is located in the top right corner. Red text indicates required settings and default values.

Setting menu: Shows all items that can be configured. Click the title to be configured and appropriate setting window will display.

5.1 How to configure

1. Click the title to be configured.
 - The setting window for that particular title will be displayed.
2. Configure settings for each entry.
3. When configuration is complete in this window, click **[Update]** to update the settings.
 - When the settings are updated, "Settings updated." will be displayed at the top left corner in the window.
 - If the update fails, an error message will be displayed.
 - If the settings do not need to be updated, click another title in the setting menu.
 - Do not turn the power off while updating.

4. Repeat Steps 1 through 3 for other titles.
- To log out of the Web server of the station, click **[Log out]** in the setting menu.

**Note**

- To stop configuring, do not use **[x]** to close the window. Instead, click **[Log out]**. If **[Log out]** is not used, you will be unable to login for approximately 1 hour.
- The settings will not be updated if another title is selected without clicking **[Update]**.
- When no activity is detected for one hour, the connection will be automatically terminated.

6. System settings list

The table below shows all the settings for the system.

The symbols indicate the following:

- ♦: Indicates a required field. A value must be entered. Retain the default settings, unless a change is necessary.
- ♣: Indicates that Support Tool has uploaded the data. If the entry is altered through a Web browser, Support Tool will not recognize the change.
- The following list shows an overview of Web configuration. The content, how they are displayed, and the order of entries may vary from the actual screens.
- Download the setting file and back it up at a safe location ([→page 194](#)). Otherwise, it may become impossible to restore the settings after fixing a malfunction.

Access privileges

A: Administrator

U: User

Entry				Access privilege s		Reference Page
				A	U	
Station Information						
Identification	-	-	Number♦♣	✓		64
			Name	✓		64
			Location	✓		64
ID and Password	-	-	Administrator ID♦♣	✓		65
			Administrator password ♦♣	✓		65
			User ID♦	✓	✓	65
			User Password♦	✓	✓	65
Language	-	-	Language	✓	✓	66
Time	Time Zone	-	Select time zone	✓	✓	67
	Daylight Savings Time	-	Enable automatic daylight savings time	✓	✓	67
	Date and Time	-	Set date and time	✓	✓	67
Expanded System	-	-	-	✓		68
Network Settings						
IP Address	Static / DHCP	-	-	✓		69
	IPv4 Address	-	IP Address♦♣	✓		70
			Subnet Mask♦	✓		70
			Default Gateway	✓		70
	IPv6 Address	-	IP Address♦♣	✓		70
			Default Gateway	✓		70
DNS	Primary Server	-	IPv4	✓		71
			IPv6	✓		71
	Secondary Server	-	IPv4	✓		71
			IPv6	✓		71
SIP	SIP Connections	-	SIP Signaling Port♦	✓		72
			User Agent	✓		72

Entry				Access privileges		Reference Page
				A	U	
	SIP Server	Primary Server	ID	✓		72
			Password	✓		73
			IPv4 Address	✓		73
			IPv6 Address	✓		73
			Port◆	✓		73
		Secondary Server	ID	✓		73
			Password	✓		73
			IPv4 Address	✓		73
			IPv6 Address	✓		74
			Port◆	✓		74
		Tertiary Server	ID	✓		74
			Password	✓		74
			IPv4 Address	✓		74
			IPv6 Address	✓		74
			Port◆	✓		74
	Miscellaneous	-	Register Transmission Interval [sec]◆	✓		75
			DTMF digit interval timeout [sec]◆	✓		75
			Call health check timer◆	✓		75
Multicast address	For Call / Paging	-	IPv4	✓		76
			IPv6	✓		76
Video	Video Encoder 1	-	RTP Start Port◆	✓		77
			RTP End Port◆	✓		77
	Video Encoder 2	-	RTP Start Port◆	✓		78
			RTP End Port◆	✓		78
	Master Station Video Setting	-	Video Streaming	✓	✓	78
			Frame Rate [fps]	✓	✓	78
			Select Profile	✓	✓	79
			I-picture interval◆	✓	✓	79
			Bit Rate [kbps] [H.264/AVC]	✓	✓	79

Entry				Access privilege s		Reference Page
				A	U	
Audio	-	-	Audio Codec	✓		80
			Audio RTP Transmission Interval [msec]	✓		82
			RTP Idle Detection Time [sec]◆	✓		82
			Audio 1 RTP Start Port◆	✓		82
			Audio 1 RTP End Port◆	✓		82
			Audio 2 RTP Start Port◆	✓		82
			Audio 2 RTP End Port◆	✓		82
	Audio Buffer	-	Packets Buffered at Audio Start	✓		83
		Maximum Packets Buffered	✓		83	
Packet Priority	-	-	TOS Value (Audio)◆	✓		84
			TOS Value (Video)◆	✓		84
			TOS Value (SIP)◆	✓		84
			VLAN Setting	✓		84
			VLAN ID◆	✓		85
			VLAN Priority	✓		85
NTP	Enable NTP	-	-	✓	✓	86
	Synchronization Interval [hour]◆	-	-	✓		86
	Primary Server	Address	IPv4	✓		86
			IPv6	✓		86
		Port◆	-	✓		87
	Secondary Server	Address	IPv4	✓		87
			IPv6	✓		87
			Port◆	-	✓	
System Information						
Location Registry	-	-	Location Name	✓		88
Address Book	Station List♣	-	Number	✓		89
			Name	✓		89
			Location	✓		89
			Station Type:	✓		90
			IPv4	✓		90
			IPv6	✓		90
			Network Camera	✓		90

Entry				Access privilege s		Reference Page
				A	U	
Network Camera List	-	-	Camera Name	✓		91
			ID	✓		91
			Password	✓		91
			IPv4	✓		91
			IPv6	✓		92
			PTZ Operation	✓		92
			Audio Monitoring	✓		92
Group List	-	-	-	✓		93
Custom Sound Registry	-	-	-	✓	✓	95
Call Settings						
Call Stations (for Master)	-	-	Master Station can call any station in Address Book	✓		97
Call Origination	Call Origination Settings	Call Button	Ringback Tone	✓	✓	97
			Call Timeout◆	✓	✓	97
			Ringback Tone Count [time(s)]	✓	✓	98
		Option Input 1 - 4	Ringback Tone	✓	✓	98
			Call Timeout◆	✓	✓	98
			Ringback Tone Count [time(s)]	✓	✓	98
			Call Destination	✓	✓	99
			Priority	✓	✓	99
	Tone Settings	-	Busy Tone	✓	✓	100
Incoming Call	Call Answer Settings	-	Auto Answer	✓	✓	101
	Ringtone	-	Call Button	✓	✓	102
			Option Input	✓	✓	103
			Call Button Ringtone Count [time(s)]	✓	✓	103
			Option Input Ringtone Count [time(s)]	✓	✓	103
	VoIP Phone	-	VoIP Phone Call Priority	✓	✓	103

Entry				Access privilege s		Reference Page
				A	U	
Option Input/Relay Output Settings						
Option Input	Option input advanced settings	-	Name	✓		104
			Function	✓		105
			Type	✓		105
			Detection Time Range	✓		105
			API 1	✓		105
			API 2	✓		105
Relay Output	Relay output advanced settings	-	Name	✓		107
			Function	✓		107
			Option Relay Control	✓		108
			Output Time Range	✓		108
			Door Release Authorization	✓	✓	108
			Sound Settings	✓	✓	109
		Schedule Settings	-	✓		109
		Option Relay Control Authentication Key	-	-	✓	✓
Paging Settings						
Paging Origination	-	-	Paging Timeout [sec]◆	✓	✓	113
			Paging Wait Timer [sec]◆	✓	✓	113
			Urgent Page Response	✓		113
			Lock Paging	✓		113
All Page	-	-	Unicast	✓		115
Option Input Page	-	-	Destination	✓	✓	116
			Priority	✓	✓	116
			Message File Name	✓	✓	117
			Play Count [time(s)]	✓	✓	117
Function Settings						
Door Release	Door Release Assignment	-	Contact Assignment	✓	✓	118
			Authentication Key	✓	✓	118

Entry				Access privileges		Reference Page
				A	U	
Network Camera Integration	Profile Setting	-	Profile	✓		119
	Event Registration	-	Network Camera Name	✓		119
			Event	✓		120
			Function	✓		120
			Event Tone	✓	✓	120
			ID	✓		120
			Password	✓		120
			Call Origination	✓		121
			Call Destination	✓		121
			Priority	✓		121
		Play count of Event Tone	-	✓	✓	121
Email	Server Settings	-	SMTP Server	✓		122
			SMTP Port	✓		122
			SMTP Encryption	✓		122
	Authentication Settings	-	SMTP Authentication	✓		123
			Mode	✓		123
			ID	✓		123
			Password	✓		123
	Email Addresses	-	Destination 1	✓	✓	124
			Destination 2	✓	✓	124
			Destination 3	✓	✓	124
			Source Address	✓		124
	Email Event Trigger	-	Outgoing Normal Call	✓	✓	125
			Incoming Normal Call	✓	✓	125
			Outgoing Priority Call	✓	✓	125
			Incoming Priority Call	✓	✓	126
			Outgoing Urgent Call	✓	✓	126
			Incoming Urgent Call	✓	✓	126
			Door Release Activated	✓	✓	126
			Call Failed	✓	✓	126
			Error	✓	✓	126
			Station Restarted	✓	✓	126

Entry				Access privilege s		Reference Page
				A	U	
			SD Card Error	✓	✓	127
			Recording Memory Full	✓	✓	127
			Line Supervision (Passed)	✓	✓	127
			Line Supervision (Failed)	✓	✓	127
			Device Check (Passed)	✓	✓	127
			Device Check (Failed)	✓	✓	127
			Subject	✓	✓	127
	Periodic Log Transmission	-	Periodic Log Transmission	✓	✓	129
			Periodic Log Transmit Time	✓	✓	129
			Periodic Log Transmit Interval	✓	✓	129
			Periodic Log Transmission Subject	✓	✓	127
	Send Test Email	-	-	✓	✓	130
CGI	CGI Functionality	-	-	✓		131
SIF	SIF Functionality	-	-	✓		132
	SIP URI Format	-	-	✓		132
	SIF Settings	-	Program Type	✓		133
			IPv4	✓		133
			IPv6	✓		133
			Destination Port	✓		133
			SSL	✓		133
			Connection	✓		133
	Transmission Trigger	-	Begin Outgoing Call	✓		134
			Begin Communication (Source)	✓		134
			Door Release Indication	✓		134
			End Communication	✓		135
			Change contact	✓		135
			Unit error	✓		135
			Begin broadcast	✓		135
			End broadcast	✓		135
			Begin Transfer	✓		135
			End Transfer	✓		135
			Periodical Transmission	✓		136
			Initialization Notice	✓		136
			End Outgoing Call	✓		136
			Begin Incoming Call	✓		136
			End Incoming Call	✓		136

Entry				Access privileges		Reference Page
				A	U	
			Change Call Destination	✓		136
			Call Failure	✓		136
			Begin Incoming Transfer Call	✓		137
			Begin On Hold	✓		137
			End On Hold	✓		137
			Begin Incoming Page	✓		137
			End Incoming Page	✓		137
			Paging Failure	✓		137
			Begin Monitoring	✓		137
			End Monitoring	✓		138
			Monitoring Failure	✓		138
			Begin Communication (Destination)	✓		138
			Begin Privacy	✓		138
			End Privacy	✓		138
			Keypad Input	✓		138
			Speed Dial Input	✓		138
			Begin Record	✓		139
			End Record	✓		139
			Recording Memory Full	✓		139
			Passed Line Supervision	✓		139
			Failed Line Supervision	✓		139
			Passed Device Check	✓		139
			Failed Device Check	✓		139
			SD Card Error	✓		140
			SIP Registration Failure	✓		140
			Network Camera Event	✓		140
	Periodical Transmission Interval	-	Periodical Transmission Interval◆	✓		141
	SIF File Management	-	SIF Communication Settings (sif.ini)	✓		141
			SIF Parameter Settings (sif_conf.ini)	✓		141

Entry				Access privilege s		Reference Page
				A	U	
Record	-	-	Record Event	✓	✓	142
			Recorded Device	✓	✓	143
			Prevent Overwrite	✓	✓	143
			Video Recording File Length	✓	✓	143
			Event Recording Timer	✓	✓	143
			Manual Recording	✓	✓	143
			Audio Recording	✓	✓	143
Chime	Weekly Schedule	-	Start Time	✓	✓	144
			Chime	✓	✓	145
	Daily Schedule	-	Start Time	✓	✓	146
			Chime	✓	✓	147
CSR	-	-	Country	✓		148
			State/County/Region	✓		148
			City/Locality	✓		148
			Organization	✓		148
			Organizational Unit	✓		148
			Common Name	✓		149
SSL Certificate	-	-	-	✓		150
IEEE802.1X	-	-	IEEE802.1X	✓		151
			EAP	✓		151
			EAP User Name	✓		151
			EAP Password	✓		151
			Certificate Authority	✓		152
			Client Certificate	✓		152
			Client Private Key	✓		152
Display Mode	Master UI Mode	-	-	✓		153
	Standard Mode	-	Home Screen	✓	✓	154
	Receptionist Mode	Color Scheme	-	✓	✓	156
		Screen Layout	-	✓	✓	157
		Company Information	Name	✓	✓	159
			Text Size♦	✓	✓	159
			Bold	✓	✓	159
			Text Color	✓	✓	159
		Greeting Information	Greeting	✓	✓	159
			Text Size♦	✓	✓	159
			Bold	✓	✓	159
			Text Color	✓	✓	160
		Images	Company Image	✓	✓	160
			Greeting Image	✓	✓	160
			Receptionist Image	✓	✓	160

Entry				Access privilege s		Reference Page
				A	U	
		Button Function	Button 1	✓	✓	161
			Button 2	✓	✓	161
			Button 3	✓	✓	161
			Button 4	✓	✓	161
			Button Name for Group Call	✓	✓	161
			Button Name for Select By Name	✓	✓	162
			Button Name for Select By List	✓	✓	162
			Button Name for Enter Number	✓	✓	162
		Group Call Destination	-	✓	✓	162
		Reject Incoming Call	-	✓	✓	162
Transfer Settings						
Absent Transfer	Absent Transfer	-	-	✓	✓	163
	Transfer Destination List	-	-	✓	✓	163
	Re-Transfer Destination	-	-	✓	✓	164
Delay Transfer	Delay Transfer	-	-	✓	✓	165
	Delay Time [sec]◆	-	-	✓	✓	165
	Transfer Destination List	-	-	✓	✓	166
	Re-Transfer Destination	-	-	✓	✓	166
Schedule Transfer	Schedule Transfer	-	-	✓	✓	167
	Weekly Schedule	-	Transfer Destination	✓	✓	168
			Re-Transfer Destination	✓	✓	168
			Start Time	✓	✓	168
			End Time	✓	✓	169
	Daily Schedule	-	Transfer Destination	✓	✓	170
			Re-Transfer Destination	✓	✓	170
			Start Time	✓	✓	171
			End Time	✓	✓	171
Lock Transfer	-	-	Lock	✓		172
Station Settings						
Speed Dial #	Advanced speed dial button settings	Speed Dial Name	-	✓	✓	174
		Function	-	✓	✓	174
		Lock	-	✓		179
Privacy	-	-	Privacy	✓	✓	180

Entry				Access privileges		Reference Page
				A	U	
Volume / Tone	Volume	-	Handset Transmit	✓	✓	181
			Handset Receive	✓	✓	181
			Hands-free Transmit	✓	✓	181
			Hands-free Receive	✓	✓	181
			Headset Jack Transmit	✓	✓	181
			Headset Jack Receive	✓	✓	182
			VoIP Phone Volume Adjustment	✓	✓	182
			Ringtone	✓	✓	182
			Button Feedback	✓	✓	182
	Tone	-	Communication Timeout Notification	✓	✓	183
			Communication End Pretone	✓	✓	183
			Call Queue Notification	✓	✓	184
			Paging Pretone	✓	✓	184
			Auto Answer Tone	✓	✓	185
			On Hold	✓	✓	185
			Key Received	✓	✓	186
			Headset Specification	✓		186
			Audio Output (for Master)	✓		186
Communication	-	-	Talk Timeout [sec]♦	✓	✓	187
			Force Touch-to-Talk	✓	✓	187
Monitor	-	-	Monitor Timeout [sec]♦	✓	✓	188
	Scan Monitor	-	Station / Network Camera List	✓	✓	189
			Dwell Time	✓	✓	189
Master Station Display	-	-	Brightness	✓	✓	190
			Primary Video Source	✓	✓	190
			Aspect Ratio	✓	✓	190
			Standby LED State	✓	✓	190
			Keypad	✓	✓	190
Line Supervision	-	-	Line Supervision Interval	✓		191
			Line Supervision Schedule	✓		191
			Device Check Interval	✓		191
			Device Check Schedule	✓		191

Entry				Access privileges		Reference Page
				A	U	
Maintenance						
Firmware Update	-	-	-	✓		192
Initialization	-	-	Initialization	✓		193
			Initialize User Settings	✓	✓	193
Settings File Backup	-	-	Download Settings File	✓		194
			Restore Settings File	✓		195
System Log	-	-	Download	✓		196
syslog (not used)	-	-	IPv4 Address	✓		197
			IPv6 Address	✓		197

Configuring the Station

Important

- The symbols indicate the following:
 - ♦: Be sure to input the settings. Upon use, leave the unnecessary items at their default values.
 - ♣: Indicates that IX Support Tool has uploaded the data. If the entry is altered through a Web browser, the data will not be applied to IX Support Tool.

1. Station Information

1.1 Identification

•Identification

Number ♦		3-5 digits
Name		1-24 alphanumeric characters
Location		1-24 alphanumeric characters

■ Number ♦♣

Description	Enter the station number. Give each station a unique number. The set station number will be displayed on the recipient side when an outgoing call is made.
Settings	3 - 5 digits
Default values	—

■ Name

Description	Enter the station name. The set station name will be displayed on the recipient side when an outgoing call is made.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Location

Description	Enter the location where the station is installed. The set installed location will be displayed on the recipient side when an outgoing call is made.
Settings	1 - 24 alphanumeric characters
Default values	—

1.2 ID and Password

•ID and Password

Administrator ID ♦	admin	1-32 alphanumeric characters(*1)
Administrator Password ♦	••••	1-32 alphanumeric characters(*1)
User ID ♦	user	1-32 alphanumeric characters(*2)
User Password ♦	••••	1-32 alphanumeric characters(*2)

(*1)Administrator ID or Password is default.
 (*2)User ID or Password is default.
 For security purposes, it is recommend to modify the default ID and Password.

■ Administrator ID ♦♣

Description	Configure the ID for administrator privileges when logging into the configuration Web server.
Settings	1 - 32 alphanumeric characters
Default values	admin

■ Administrator Password ♦♣

Description	Configure the password for administrator privileges to login to configuration mode from configuration Web server and device window.
Settings	1 - 32 alphanumeric characters
Default values	admin

■ User ID ♦

Description	Configure the ID for user privileges when logging into the configuration Web server.
Settings	1 - 32 alphanumeric characters
Default values	user

■ User Password ♦

Description	Configure the password for user privileges when logging into the configuration Web server.
Settings	1 - 32 alphanumeric characters
Default values	user



Note

- "Administrator ID" and "User ID" cannot be identical.
- The "Administrator Password" and "User Password" are displayed as "•••••" in the settings window.

1.3 Language

•Language

If change "Language", Email and System Log language will be changed. Station and Web browser language are not changed.

Language

English

■ Language

Description	Configure one of the languages below for the device. The device and Web settings window display will not change. • Language used for various settings (including the station name) • Set the email and System Log language.
Settings	• Japanese • English
Default values	English

Note

- When you first login to Web configuration with the station in its default state, the language will be set to the same language that was selected when logging in.

1.4 Time

1.4.1 Time Zone

■ Select time zone

Description	Select the time zone.
Settings	Select from 99 regions
Default values	(GMT-08:00) Pacific Standard Time (US), Tijuana



Note

- When you first login to Web configuration with the station in its default state, this will be set as follows depending on the language selected when logging in.
 Japanese: (GMT+09:00) Osaka, Sapporo, Tokyo
 English: (GMT-08:00) Pacific Standard Time (US), Tijuana

1.4.2 Daylight Savings Time

■ Enable automatic daylight savings time

Description	Automatically adjust for daylight saving time according to the region configured in “Select time zone (→page 67)” .
Settings	- Yes - No
Default values	No

1.4.3 Date and Time

■ Set date and time

Description	Set the current time for the system. This is a required setting.
Settings	2017/1/1/00:00:00 - 2037/12/31/23:59:59 [Sync with PC]: Set to the current time setting of the PC.
Default values	The time from 2018/1/1/ 00:00:00 with the time difference set in “Select time zone (→page 67)” applied
Remarks	The time cannot be updated by pressing [Update]. Press [Apply Time to Station] to update.

1.5 Expanded System

●Expanded System

☐Enable☒Disable

Description	Not used.
-------------	-----------

2. Network Settings

2.1 IP Address

!

Important

- When a setting related to the IP Address is updated, the station will restart. In some cases, it may take around 10 minutes for the station to start up.

IP Address

Changing IP Address settings will cause station to restart after Update is clicked. This will take a few minutes.

Static / DHCP

IPv4

Static

IPv6

Static

IPv4 Address

IP Address *

Subnet Mask *

Default Gateway

1.0.0.1-255.255.255.254

128.0.0-255.255.255.255

1.0.0.1-255.255.254

IPv6 Address

IP Address

Default Gateway

2000::0-3FFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or FD00::0-FDFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF

::FF:0:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF

2.1.1 Static / DHCP

Description	Select the addressing method for the IP Address selected.
Settings	- When selecting IPv4: - Static - DHCP - When selecting IPv6: - Static - Stateless - DHCPv6
Default values	IPv4 Static

!

Important

- IPv4 and IPv6 cannot be mixed in the same system.
- When selecting "DHCP" for IPv4, configure the system so that the DHCP server assigns a Static IP Address to each station.
- When selecting "Stateless" for IPv6, do not change the prefix of the device that can transmit RA.
- When selecting "DHCPv6" for IPv6, configure the system so that the DHCP server assigns a Static IP Address to each station. The DUID of the station is "00030001 + MAC address."
- When setting up a product from another manufacturer, such as a DHCP server, refer to its manual.

2.1.2 IPv4 Address

! Important

- When "Static / DHCP" is "DHCP," and the entered "IP Address," "Subnet Mask," and "Default Gateway" are updated, these changes will not be applied.

■ IP Address♦♣

Description	Set the IP address. Do not use duplicate IP addresses.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

■ Subnet Mask♦

Description	Set the subnet mask.
Settings	128.0.0.0 - 255.255.255.255
Default values	—

■ Default Gateway

Description	Set the default gateway of the network to which the station belongs.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

2.1.3 IPv6 Address

! Important

- When "Static / DHCP" is "Stateless" or "DHCPv6," and the entered "IP Address" and "Default Gateway" is updated, these changes will not be applied.

■ IP Address♦♣

Description	Set the IP address. Do not use duplicate IP addresses. Doing so will cause the system to malfunction.
Settings	2000::0 - 3FFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or FD00::0 - FDFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

■ Default Gateway

Description	Set the default gateway of the network to which the station belongs.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

2.2 DNS

If the IPv4 or IPv6 address for each item was configured by hostname, a DNS server must be configured for name resolution.

The screenshot shows a configuration window titled "DNS". It contains two sections: "Primary Server" and "Secondary Server". Each section has input fields for "IPv4" and "IPv6" addresses. To the right of the input fields, the default values are displayed in red text: "1.0.0.1-223.255.255.254" for IPv4 and "::FF:0-FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF" for IPv6.

2.2.1 Primary Server

■ IPv4

Description	Configure the IPv4 address of the primary DNS server.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

■ IPv6

Description	Configure the IPv6 address of the primary DNS server.
Settings	::FF:0 - FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF
Default values	—

2.2.2 Secondary Server

■ IPv4

Description	Configure the IPv4 address of the secondary DNS server.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

■ IPv6

Description	Configure the IPv6 address of the secondary DNS server.
Settings	::FF:0 - FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF
Default values	—

2.3 SIP

• SIP

SIP Connections

SIP Signaling Port ♦ 1-65535

User Agent 1-36 alphanumeric characters

SIP Server

Primary Server

ID 1-24 alphanumeric characters

Password 1-24 alphanumeric characters

IPv4 Address 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)

IPv6 Address ::FF-0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)

Port ♦ 1-65535

Secondary Server

ID 1-24 alphanumeric characters

Password 1-24 alphanumeric characters

IPv4 Address 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)

IPv6 Address ::FF-0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)

Port ♦ 1-65535

Tertiary Server

ID 1-24 alphanumeric characters

Password 1-24 alphanumeric characters

IPv4 Address 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)

IPv6 Address ::FF-0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)

Port ♦ 1-65535

Miscellaneous

Register Transmission Interval [sec] ♦ 10-14400

DTMF digit interval timeout [sec] ♦ 1-10

Call health check timer ♦ sec Do not transmit re-INVITE, 80-3600 sec

2.3.1 SIP Connections

■ SIP Signaling Port♦

Description	Configure the port for SIP communication. Configure the same port number for any stations which call or communicate with each other.
Settings	1 - 65535
Default values	5060

■ User Agent

Description	Configure the SIP user agent.
Settings	1 - 36 alphanumeric characters
Default values	—

2.3.2 SIP Server

Configure integration with 3rd party SIP based PBX systems. Please contact your local Aiphone distribution for more information.

2.3.2.1 Primary Server

■ ID

Description	Configure the user ID used to authenticate with the IP-PBX.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Password

Description	Configure the password used to authenticate with the IP-PBX.
Settings	1 - 24 alphanumeric characters
Default values	—



Note

- The "Password" is displayed as "●●●●●" in the Settings window.

■ IPv4 Address

Description	Configure the IPv4 address of the IP-PBX.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6 Address

Description	Configure the IPv6 address of the IP-PBX.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ Port◆

Description	Configure the port number for communicating with the IP-PBX.
Settings	1 - 65535
Default values	5060

2.3.2.2 Secondary Server

■ ID

Description	Configure the user ID used to authenticate with the IP-PBX.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Password

Description	Configure the password used to authenticate with the IP-PBX.
Settings	1 - 24 alphanumeric characters
Default values	—



Note

- The "Password" is displayed as "●●●●●" in the Settings window.

■ IPv4 Address

Description	Configure the IPv4 address of the IP-PBX.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6 Address

Description	Configure the IPv6 address of the IP-PBX.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ Port◆

Description	Configure the port number for communicating with the IP-PBX.
Settings	1 - 65535
Default values	5060

2.3.2.3 Tertiary Server

■ ID

Description	Configure the user ID used to authenticate with the IP-PBX.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Password

Description	Configure the password used to authenticate with the IP-PBX.
Settings	1 - 24 alphanumeric characters
Default values	—



Note

- The "Password" is displayed as "●●●●●" in the Settings window.

■ IPv4 Address

Description	Configure the IPv4 address of the IP-PBX.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6 Address

Description	Configure the IPv6 address of the IP-PBX.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ Port◆

Description	Configure the port number for communicating with the IP-PBX.
Settings	1 - 65535
Default values	5060

2.3.3 Miscellaneous

■ Register Transmission Interval [sec]◆

Description	Configure the interval at which to send Register to the IP-PBX.
Settings	10-14400 sec
Default values	3600 sec

■ DTMF digit interval timeout [sec]◆

Description	Configure the time to timeout signal reception, when a DTMF signal is not received from the VoIP Phone for a continuous period of time.
Settings	1 - 10 sec
Default values	5 sec

! Important

- Configure the IP-PBX and VoIP Phone DTMF settings outbound.

■ Call health check timer◆

Description	When a communication error occurs during a call or while monitoring, the connection is disconnected after the specified time elapses.
Settings	• 80 - 3600 sec: Select when configuring a value from 80 to 3600 sec. • Do not transmit re-INVITE: Do not detect communication errors.
Default values	90 sec.

2.4 Multicast address

Set when configured to use Multicast in “Group List (→page 93)” and “All Page (→page 115)”.

•Multicast Address

For Call / Paging

IPv4

224.0.0.0-239.255.255.255

IPv6

FF10::0-FF1F:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF

2.4.1 For Call / Paging

■ IPv4

Description	Configure the IPv4 multicast address. IPv4 multicast addresses should be unique for each station.
Settings	224.0.0.0 - 239.255.255.255
Default values	—

■ IPv6

Description	Configure the IPv6 multicast address. IPv6 multicast addresses should be unique for each station.
Settings	FF10::0 - FF1F:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

2.5 Video

•Video

Video Encoder 1

The "Video Encoder 1" RTP End Port should be greater than 90 digits from the RTP Start Port.

RTP Start Port ♦ 1-65534

RTP End Port ♦ 1-65535

Video Encoder 2

The "Video Encoder 2" RTP End Port should be greater than 10 digits from the RTP Start Port.

RTP Start Port ♦ 1-65534

RTP End Port ♦ 1-65535

Master Station Video Setting

Video Streaming ☒Enable ☐Disable

Frame Rate [fps] ▼

Select Profile ▼

I-picture interval ♦ 1-100

Bit Rate [kbps] [H.264/AVC] ▼

2.5.1 Video Encoder 1

Configure video settings when making calls between IX system stations, during calls, and when calling a VoIP Phone. Configure camera video settings for this device in "[Master Station Video Setting \(→page 78\)](#)".

! Important

- When sending video to a VoIP Phone, configure the same video settings as the VoIP Phone.
- Video is not sent when making an outgoing call to a VoIP Phone.

■ RTP Start Port♦

Description	Configure the range of ports communicating RTP. The difference of (RTP Start Port) - (RTP End Port) should be 90 or greater. If this is less than 90, a port outside the range may be used.
Settings	1 - 65534
Default values	30000

■ RTP End Port♦

Description	Configure the range of ports communicating RTP. The difference of (RTP Start Port) - (RTP End Port) should be 90 or greater. If this is less than 90, a port outside the range may be used.
Settings	1 - 65535
Default values	31000

2.5.2 Video Encoder 2

Configure settings related to network camera video.

■ RTP Start Port◆

Description	Configure the range of ports communicating RTP. The difference of (RTP Start Port) - (RTP End Port) should be 10 or greater. If this is less than 10, a port outside the range may be used.
Settings	1 - 65534
Default values	32000

■ RTP End Port◆

Description	Configure the range of ports communicating RTP. The difference of (RTP Start Port) - (RTP End Port) should be 10 or greater. If this is less than 10, a port outside the range may be used.
Settings	1 - 65535
Default values	33000

2.5.3 Master Station Video Setting

Configure camera-related settings for this device.

! Important

- When sending video to a VoIP Phone, configure the same video settings as the VoIP Phone.
- Video is not sent when making an outgoing call to a VoIP Phone.

■ Video Streaming

Description	Configure whether distribution of video captured by this device's camera is permitted. Video cannot be distributed to 3rd party products not compatible with ONVIF or to IX-MV. The encoding format of distributed video is H.264/AVC.
Settings	• Enable • Disable
Default values	Enable

■ Frame Rate [fps]

Description	Set the frame rate.
Settings	0.5, 1, 2, 3, 5, 7.5, 10, 15, 20, 30 fps When set to 7.5, 10, 15, 20, or 30 fps, the frame rate will drop to 5 fps once approximately 10 minutes have elapsed after an outgoing call is made.
Default values	15fps

💡 Note

The frame rate may be lower than the set value depending on the video being sent, the number of recipient stations, and the network environment.

■ Select Profile

Description	Configure the profile.
Settings	• Baseline • Main • High
Default values	Main

■ I-picture interval◆

Description	Configure the interval at which I-pictures are sent.
Settings	1 - 100
Default values	15

■ Bit Rate [kbps] [H.264/AVC]

Description	Set the bit rate.
Settings	32, 64, 128, 256, 384, 512, 768, 1024, 2048kbps
Default values	1024kbps



Note

The bit rate may be lower than the set value depending on the video being sent, the number of recipient stations, and the network environment.

2.6 Audio

•Audio

The Audio 1 RTP End Port should be greater than 210 digits from the RTP Start Port.
The Audio 2 RTP End Port should be greater than 10 digits from the RTP Start Port.
Changing Audio Codec from G.711(μ-law) / G.711(A-law) to G.722, or from G.722 to G.711(μ-law) / G.711(A-law) will cause the station to restart after Update is clicked. This will take a few minutes.

Audio Codec

☒G.711(μ-law)

☐G.711(A-law)

☐G.722

Audio RTP Transmission Interval [msec]

20

▼

RTP Idle Detection Time [sec]

10

▼

Audio 1 RTP Start Port

20000

▼

Audio 1 RTP End Port

21000

▼

Audio 2 RTP Start Port

22000

▼

Audio 2 RTP End Port

23000

▼

This setting is ignored when transmitting to multiple stations (paging, etc.)

10-180 sec

1-65534

1-65535

1-65534

1-65535

Audio Buffer

Packets Buffered at Audio Start

1

▼

Maximum Packets Buffered

3

▼

Maximum Packet Buffer must be larger than Audio Start Buffer.

■ Audio Codec

Description	Select the audio codec.
Settings	• G.711 (μ-law) • G.711 (A-law) • G.722
Default values	G.711 (μ-law)

80

! Important

- When changing from "G.711" to "G.722" or from "G.722" to "G.711," the station will restart. In some cases, it may take around 10 minutes for the station to restart.
- Stations with different audio codecs (G.711 and G.722) selected cannot ring, call, monitor, or page each other.
- When changing "G.711" to "G.722" and "G.722" to "G.711," change the custom tones used for the following subcategories to audio files with appropriate audio sample rates. ["Custom Sound Registry \(→page 95\)"](#)
 - ["Call Origination"](#) - ["Call Button"](#) - ["Ringback Tone \(→page 97\)"](#)
 - ["Call Origination"](#) - ["Option Input 1 - 4"](#) - ["Ringback Tone \(→page 98\)"](#)
 - ["Call Origination"](#) - ["Busy Tone \(→page 100\)"](#)
 - ["Incoming Call"](#) - ["Call Button \(→page 102\)"](#)
 - ["Incoming Call"](#) - ["Option Input \(→page 103\)"](#)
 - ["Relay Output"](#) - ["Sound Settings \(→page 109\)"](#)
 - ["Option Input Page"](#) - ["Message File Name \(→page 117\)"](#)
 - ["Network Camera Integration"](#) - ["Event Tone \(→page 120\)"](#)
 - ["Chime"](#) - ["Weekly Schedule"](#) - ["Chime \(→page 145\)"](#)
 - ["Chime"](#) - ["Daily Schedule"](#) - ["Chime \(→page 147\)"](#)
 - ["Volume / Tone"](#) - ["Communication Timeout Notification \(→page 183\)"](#)
 - ["Volume / Tone"](#) - ["Communication End Pretone \(→page 183\)"](#)
 - ["Volume / Tone"](#) - ["Call Queue Notification \(→page 184\)"](#)
 - ["Volume / Tone"](#) - ["Paging Pretone \(→page 184\)"](#)
 - ["Volume / Tone"](#) - ["Auto Answer Tone \(→page 185\)"](#)
 - ["Volume / Tone"](#) - ["On Hold \(→page 185\)"](#)
 - ["Volume / Tone"](#) - ["Key Received \(→page 186\)"](#)

■ Audio RTP Transmission Interval [msec]

Description	Select the transmission interval for RTP audio.
Settings	20, 40, 60, 80, 100 msec
Default values	20msec

■ RTP Idle Detection Time [sec]◆

Description	Configure the time to detect the idle state of RTP audio. If RTP audio is not received within the specified time during a call or while monitoring or paging, it will be disconnected.
Settings	10-180 sec (by 1 sec)
Default values	10sec

■ Audio 1 RTP Start Port◆

Description	Configure the port number range for RTP communication for the audio used when calling between IX System stations. Configure so that there are at least 210 ports free between the (Audio 1 RTP Start Port) and (Audio 1 RTP End Port). If the difference is less than 210, ports outside the set range may be used.
Settings	1 - 65534
Default values	20000

■ Audio 1 RTP End Port◆

Description	Configure the port number range for RTP communication for the audio used when calling between IX System stations. Configure so that there are at least 210 ports free between the (Audio 1 RTP Start Port) and (Audio 1 RTP End Port). If the difference is less than 210, ports outside the set range may be used.
Settings	1 - 65535
Default values	21000

■ Audio 2 RTP Start Port◆

Description	Configure the port number range for sending and receiving audio RTP for the network camera. Configure so that there are at least 10 ports free between the (Audio 2 RTP Start Port) and (Audio 2 RTP End Port). If this is less than 10, a port outside the range may be used.
Settings	1 - 65534
Default values	22000

■ Audio 2 RTP End Port◆

Description	Configure the port number range for sending and receiving audio RTP for the network camera. Configure so that there are at least 10 ports free between the (Audio 2 RTP Start Port) and (Audio 2 RTP End Port). If this is less than 10, a port outside the range may be used.
Settings	1 - 65535
Default values	23000

2.6.1 Audio Buffer

■ Packets Buffered at Audio Start

Description	Configure the number of packets buffered until audio is started.
Settings	0 - 4
Default values	1

■ Maximum Packets Buffered

Description	Set the maximum number of packets to be buffered. When the system receives more packets, the oldest packets are discarded. Choose a value greater than "Packets Buffered at Audio Start."
Settings	2 - 10
Default values	3

2.7 Packet Priority

! Important

- When a VLAN-related setting is updated, the station will restart. In some cases, it may take around 10 minutes for the station to restart.

● **Packet Priority**

TOS Value (Audio) ◆ 0x00-0xFF

TOS Value (Video) ◆ 0x00-0xFF

TOS Value (SIP) ◆ 0x00-0xFF

Changing VLAN settings will cause station to restart after Update is clicked. This will take a few minutes.

VLAN Setting ☐ Enable ☒ Disable

VLAN ID ◆ 1-4094

VLAN Priority ▼

■ TOS Value (Audio)◆

Description	Configure the audio packet priority (TOS Value).
Settings	0x00 - 0xFF
Default values	0x00

■ TOS Value (Video)◆

Description	Choose the priority level (TOS Value) of the video packets.
Settings	0x00 - 0xFF
Default values	0x00

■ TOS Value (SIP)◆

Description	Configure the packet priority (TOS Value) for SIP.
Settings	0x00 - 0xFF
Default values	0x00

■ VLAN Setting

Description	Enable/disable VLAN tagging.
Settings	- Enable - Disable
Default values	Disable

! Important

- When "[VLAN Setting \(→page 84\)](#)" is set to "Enable," ensure that the switches, PCs, and stations are all configured for VLAN operation.

■ VLAN ID◆

Description	Configure the VLAN ID.
Settings	1 - 4094
Default values	1

■ VLAN Priority

Description	Configure the VLAN priority.
Settings	0 (low) to 7 (high)
Default values	0

2.8 NTP

•NTP

Enable NTP ☐ Yes ☒ No Use

Synchronization Interval [hour] 1-255

Primary Server

Address IPv4 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
IPv6 ::FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)

Port 1-65535

Secondary Server

Address IPv4 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
IPv6 ::FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)

Port 1-65535

2.8.1 Enable NTP

Description	Configure whether to obtain the time from an NTP server.
Settings	• Yes • No Use
Default values	No Use

2.8.2 Synchronization Interval [hour]◆

Description	Configure the interval for synchronizing the clock with the NTP server.
Settings	1-255 hours (by one hour)
Default values	24hour

2.8.3 Primary Server

2.8.3.1 Address

■ IPv4

Description	Configure the IPv4 address of the primary NTP server. When using a Hostname, set up “DNS (→page 71)” .
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Configure the IPv6 address of the primary NTP server. When using a Hostname, set up “DNS (→page 71)” .
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

2.8.3.2 Port

Description	Set the port number for communicating with NTP.
Settings	1 - 65535
Default values	123

2.8.4 Secondary Server**2.8.4.1 Address****■ IPv4**

Description	Configure the IPv4 address of the secondary NTP server. When using a Hostname, set up “DNS (→page 71)” .
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Configure the IPv6 address of the secondary NTP server. When using a Hostname, set up “DNS (→page 71)” .
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

2.8.4.2 Port

Description	Set the port number for communicating with NTP.
Settings	1 - 65535
Default values	123

3. System Information

3.1 Location Registry

•Location Registry

#	Location Name 1-24 alphanumeric characters
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

■ Location Name

Description	Register the locations to be used for the "Address book." Up to 100 locations can be registered.
Settings	1 - 24 alphanumeric characters
Default values	—

3.2 Address Book

! Important

- Set "[Language \(→page 66\)](#)" before setting "Address Book."
- Enter using the language set in "Language." If the display language for the station is different from the one selected in "Language," the characters may appear incorrectly on the station screen. To avoid this, enter text using the alphabet.

3.2.1 Station List♣

Stations registered in the "Station List" can be called, paged, monitored, line monitored, and malfunction monitored. Up to 500 stations can be registered in the "Station List."

! Important

- Do not register a station in its own "Address book."
- Use the same information (station number, station name, etc.) as the information configured on the other stations.
- Give each station a unique number.

◆Address Book◆

Station List

Station Number must be 3-5 digits (3-32 digits for VoIP Phone)
 Station Name must be 1-24 alphanumeric characters
 IPv4 must be 1.0.0.1-255.255.255.254 or hostname(1-64 alphanumeric characters)
 IPv6 must be FF:0-FE:FF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)

#	Station Information						
	Number	Name	Location	Station Type	IPv4	IPv6	Network Camera
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

■ Number

Description	Enter the station number.
Settings	3-32 digits
Default values	—

■ Name

Description	Enter the station name.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Location

Description	Select the type of station.
Settings	Select one from the installation locations registered in " Location Registry (→page 88) ".
Default values	—

■ Station Type:

Description	Select the station type.
Settings	• IX-DA, IX-DF(-*) • IX-BA, IX-SS(-*) • IX-MV • IX-MV7-* • IX-RS-* • IXW-MA • IX-DV, IX-DVF(-*) • IX-SSA(-*) • IX-SS-2G • VoIP Phone • IX-SPMIC: Not used. • IX-EA, IX-EAU: Not used. • IX-FA: Not used.
Default values	—

■ IPv4

Description	Set the IPv4 address of the station. When using a Hostname, set up “DNS (→page 71)” .
Settings	1.0.0.0 - 223.255.255.255 or hostname (1 - 64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 address of the station. When using a Hostname, set up “DNS (→page 71)” .
Settings	::FF:0-FE:FF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1-64 alphanumeric characters)
Default values	—

■ Network Camera

Description	Configure the network camera that is associated with the station. Video from an associated network camera is displayed when making a call, during a call, or when monitoring.
Settings	Select a network camera (network camera list number) from among those registered in “Network Camera List (→page 91)” .
Default values	—

3.2.2 Network Camera List

IX-MV7-* is compatible with the "ONVIF profile S" ONVIF interface standard.

Video from an ONVIF compliant 3rd party network camera can be viewed on the IX-MV7-* screen.

Register the network camera to monitor from IX-MV7-*.

Up to 50 network cameras can be registered.

When registering a network camera, configure ["Network Camera Integration \(→page 119\)"](#).

! Important

- When a network camera is registered to the network camera list through Web configuration, information (["Profile \(→page 119\)"](#) and ["Event \(→page 120\)"](#)) is automatically obtained from the registered network camera. Multicast is used to obtain information. Network camera information cannot be obtained in environments where multicast cannot be used. In this case, register the network camera using IX Support Tool to obtain information.

Network Camera List

Network Camera Name must be 1-24 alphanumeric characters.
 ID must be 1-32 alphanumeric characters.
 Password must be 1-32 alphanumeric characters.
 IPv4 must be 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters).
 IPv6 must be ::FF:0:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters).

#	Camera Name	ID	Password	IPv4	IPv6	PTZ Operation	Audio Monitoring
1						Enable	Enable
2						Enable	Enable
3						Enable	Enable
4						Enable	Enable
5						Enable	Enable
6						Enable	Enable
7						Enable	Enable
8						Enable	Enable
9						Enable	Enable
10						Enable	Enable
11						Enable	Enable
12						Enable	Enable
13						Enable	Enable

■ Camera Name

Description	Enter the Network Camera Name.
Settings	1 - 24 alphanumeric characters
Default values	—

■ ID

Description	Enter the authentication ID of the network camera.
Settings	1 - 32 alphanumeric characters
Default values	—

■ Password

Description	Enter the authentication password of the network camera.
Settings	1 - 32 alphanumeric characters
Default values	—

■ IPv4

Description	Set the IPv4 address of the network camera. When using a Hostname, set up "DNS (→page 71)" .
Settings	1.0.0.0 - 223.255.255.255 or hostname (1 - 64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 address of the network camera. When using a Hostname, set up “DNS (→page 71)” .
Settings	::FF:0-FE:FF:FF:FF:FF:FF:FF:FF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ PTZ Operation

Description	Configure whether the network camera can be operated from this device.
Settings	• Enable • Disable
Default values	Enable

■ Audio Monitoring

Description	Configure whether audio from the network camera can be monitored from this device.
Settings	• Enable • Disable
Default values	Enable



Note

- "Password" are displayed as "*****" on the screen.

3.3 Group List

Configure groups for groups calls, group pages, and contact input calls.

Up to 50 groups (50 devices per group) can be registered. Stations other than IXW-MA can be registered to groups. However, group calls and contact input calls cannot be made to IX-DA(-*) or IX-BA.

! Important

- Set "[Language \(→page 66\)](#)" before setting "Open Master Station Group List."
- Enter using the language set in "[Language \(→page 66\)](#)". If the display language for the station is different from the one selected in "Language," the characters may appear incorrectly on the station screen. To avoid this, enter text using the alphabet.
- Only a single VoIP Phone can be registered to each group.
- All pages, groups pages, message pages, and external input pages cannot be sent to VoIP Phone.

• **Group List**

Group List

Group Number must be 01-99.
Group Name must be 1-24 alphanumeric characters.
Only one "VoIP Phone" can be set per group.
If designating "M", multicast IP addresses must be configured for the station(s).

Group List01-10		Group01	Group02	Group03	Group04	Group05	Group06
Group Number							
Group Name							
Group Members							
0001 004 Video Door Station4	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐
0002 001 Master Station1	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐
0003 008 Audio Door Station8	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐
0004 020 Master Station20	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐	Protocol Audio ☐ Video ☐

The registered stations will be shown in "[Station List \(→page 89\)](#)".

How to register a group

1. Select the range of groups to configure in Open Master Station Group List.
 - Settings for the selected group range are displayed.
2. Enter the "Group Number," "Group Name" of the group to be set in the list.
 - Group Number: 01 through 99
 - Group name: 1 - 24 alphanumeric characters

3. Select group to which each station belongs.

Protocol (Audio)

- Blank: Select if it does not belong to group.
- U: Belongs to group. Paging audio is transmitted in unicast.
- M: Belongs to group. Paging audio is transmitted in multicast.

Protocol (Video) (IX-MV7-* only)

- Blank: Will operate as multicast.
- U: Video will be transmitted in unicast during group calls. Unicast can be configured for to up to 20 units.
- M: Video will be transmitted in multicast during group calls.

**Important**

- Be sure to configure "[Multicast address \(→page 76\)](#)" if "M" is selected.
- "M" cannot be selected for VoIP Phones.

4. When configuration is complete, click **[Update]** to update the settings.

3.4 Custom Sound Registry

A maximum of 100 audio files can be registered for use as calling tones, etc. (within 200 sec and 8 Mbyte per file).

● Custom Sound Registry

Register the file with the sampling frequency of the codec (G.711: 8 kHz G.722: 16 kHz)
specified in "Audio Codec" under "Network Settings".

#	Name	Browse for .wav file	Delete
1		Browse...	☐
2		Browse...	☐
3		Browse...	☐
4		Browse...	☐
5		Browse...	☐
6		Browse...	☐
7		Browse...	☐
8		Browse...	☐
9		Browse...	☐
10		Browse...	☐
11		Browse...	☐
12		Browse...	☐
13		Browse...	☐
14		Browse...	☐
15		Browse...	☐

Sound file format:
File Type: .wav
• File Name: 1-41 alphanumeric characters (without file extensions)
Sample Size: 16 bits
Sample Rate: 8 or 16 kHz
Channel: 1 (monaural)
Less than 200 sec

■ Custom Sound Registry

Description	Register the audio files to be used for ringtones, etc.
Settings	• Name: This is the file name of the registered file. The name will be shown as the setting value when configuring the calling tone and other settings. • File Name: Within 41 characters (excluding extension). For audio files used for message paging, messages when paging are searched by letter or number, so enter a letter or number as the first character. • Browse for .wav file: Up to 100 files (within 200 sec and 8 Mbyte per file). • Sound file format: – File type: wav format – Audio sample size: 16 bits – Audio sample rate: 8 kHz, 16 kHz 8 kHz (when "Audio Codec (→page 80)" is "G.711 (μ-Law)" or "G.711 (A-Law)") 16 kHz (when "Audio Codec (→page 80)" is "G.722") – Channel 1 (monaural)
Default values	—

How to register a custom sound

1. Click **[Browse]** at the end of the row for the station with which to register the audio file.
2. Select the audio file to register and click **[Open]**.
3. When done, click **[Update]**.



Note

- If using a tone for a calling tone, ringtone, or network camera event notification tone, add a period of silence at the end of the audio.
- Sample files of custom sounds are provided on our website (<https://www.aiphone.net/product/>) for download and use as audio sources.

How to delete a custom sound

1. Check the **[Delete]** box of the audio file to delete.
2. Click **[Update]**.

4. Call Settings

4.1 Call Stations (for Master)

Call Destination Settings are unnecessary, Master Station can call any station in [“Address Book \(→page 89\)”](#).

4.2 Call Origination

4.2.1 Call Origination Settings

•Call Origination

Call Origination Settings

Call Destination Group Number must be 01-99.

	Call Button	Option Input 1	Option Input 2	Option Input 3	Option Input 4
Ringback Tone	Call Pattern 4	Call Pattern 4	Call Pattern 4	Call Pattern 4	Call Pattern 4
Call Timeout	10-600 sec	10-600 sec	10-600 sec	10-600 sec	10-600 sec
	60 sec	60 sec	60 sec	60 sec	60 sec
Ringback Tone Count [time(s)]	Infinite	Infinite	Infinite	Infinite	Infinite
Call Destination	-	-	-	-	-
Priority	-	Normal	Normal	Normal	Normal

4.2.1.1 Call Button

■ Ringback Tone

Description	Configure the calling tone heard from this device when an outgoing call is made or monitoring starts.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 4

■ Call Timeout◆

Description	Configure the call transmission time.
Settings	• 10 - 600 sec: Select when setting a value from 10 to 600 sec (by 1 sec). • Infinite: Call continues until the recipient responds.
Default values	60sec

**Note**

- When calling a VoIP Phone, this will be the shorter time of the time set for "Call Timeout" and the call duration set on the IP-PBX.

■ Ringback Tone Count [time(s)]

Description	Configure the calling tone ringtone count.
Settings	• 1 - 20 times • Infinite: The calling tone will continue for the amount of time configured in "Call Timeout."
Default values	Infinite

4.2.1.2 Option Input 1 - 4

■ Ringback Tone

Description	Configure the calling tone heard from this station when making a contact input call.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Call Pattern4

■ Call Timeout◆

Description	Configure the call transmission time.
Settings	• 10 - 600 sec: Select when setting a value from 10 to 600 sec (by 1 sec). • Infinite: Call continues until the recipient responds.
Default values	60sec

■ Ringback Tone Count [time(s)]

Description	Configure the calling tone ringtone count.
Settings	• 1 - 20 times • Infinite: The calling tone will continue for the amount of time configured in "Call Timeout."
Default values	Infinite

■ Call Destination

Description	Set the group of the call transmission destination.
Settings	01 - 99
Default values	—

■ Priority

Description	Set the priority of call transmissions.
Settings	• Normal • Priority • Urgent
Default values	Normal

4.2.2 Tone Settings

Tone Settings

Busy Tone

Busy Response Tone

(*) Tone generated at door release destination station.

■ Busy Tone

Description	Select the tone heard from this device when an outgoing call is made and the other station is on a call.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 95)”.
Default values	Busy Response Tone

4.3 Incoming Call

4.3.1 Call Answer Settings

•Incoming Call

Call Answer Settings

Auto Answer

☐ON

☒OFF

■ Auto Answer

Description	Configures Auto Answer for incoming individual calls. Auto Answer: When an incoming call is received, this function automatically connects without having to answer it. Auto Answer does not function for transferred calls, calls from VoIP Phones, or calls where calls are transferred, so the call will need to be answered.
Settings	• OFF: No Auto Answer. • ON: Auto Answer.
Default values	OFF

4.3.2 Ringtone

Ringtone

Call Button

Originating Station	Normal	Priority	Urgent
0001 004 Video Door Station4	Call Pattern 1	Call Pattern 1	Call Pattern 1
0002 001 Master Station1	Call Pattern 1	Call Pattern 1	Call Pattern 1
0003 008 Audio Door Station8	Call Pattern 1	Call Pattern 1	Call Pattern 1
0004 020 Master Station20	Call Pattern 1	Call Pattern 1	Call Pattern 1

Option Input

Originating Station	Normal	Priority	Urgent
0001 004 Video Door Station4	Call Pattern 2	Call Pattern 2	Call Pattern 2
0002 001 Master Station1	Call Pattern 2	Call Pattern 2	Call Pattern 2
0003 008 Audio Door Station8	Call Pattern 2	Call Pattern 2	Call Pattern 2
0004 020 Master Station20	Call Pattern 2	Call Pattern 2	Call Pattern 2

Call Button Ringtone Count [time(s)]

Option Input Ringtone Count [time(s)]

■ Call Button

Description	Configure the ringtone by priority when a call is received by operating the main unit or pressing the toilet call button. This can be configured for each outgoing call source.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 1

■ Option Input

Description	Configure the ringtone by priority when a call is received by contact input. This can be configured for each outgoing call source.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Call Pattern 2

■ Call Button Ringtone Count [time(s)]

Description	Configure the ringtone count when a call is received by operating the main unit or pressing the toilet call button.
Settings	• Infinite: The ringtone continues until the recipient responds or the caller stops calling. • 1 - 20 times
Default values	Infinite

■ Option Input Ringtone Count [time(s)]

Description	Configure the ringtone count when a contact input call is received.
Settings	• Infinite: The ringtone continues until the recipient responds or the caller stops calling. • 1 - 20 times
Default values	Infinite

4.3.3 VoIP Phone

VoIP Phone

VoIP Phone Call Priority

■ VoIP Phone Call Priority

Description	Configure the incoming priority when a call is received from an VoIP Phone.
Settings	• Normal • Priority • Urgent
Default values	Normal

5. Option Input / Relay Output Settings

5.1 Option Input

•Option Input

Option Input #

Option Input 1

•Name

1-24 alphanumeric characters

•Function

☒No Function

☐Call

☐Answer Call / Page

☐Paging

☐Message Page

☐External Input Page

☐Turn LCD On

☐API

(*) Customize Call in "Call Settings".

(*) Customize Page in "Paging Settings".

(*) Customize Message Page in "Paging Settings".

(*) Customize Page in "Paging Settings".

(*) Only one Option Input can be set for External Input Page.

•Type

☒Make

☐Break

•Detection Time Range

☐0 (Immediate)

☒200-2000 [msec]

☐3-600 [sec]

Detection Time

200

200-2000 msec / 100 msec step

3-600 sec / 1 sec step

•API 1

URL

1-128 alphanumeric characters

•API 2

URL

1-128 alphanumeric characters

5.1.1 Option Input Advanced Settings

How to configure Option Input

1. Select the option input to be configured in "Option Input #"

• The settings of the selected option input are displayed.
2. Configure each item.
3. When configuration is complete, click **[Update]**.

■ Name

Description	Configure the terminal name for the input terminal.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Function

Description	Configure option input function.
Settings	• No Function • Call: Option input originates a call. Be sure to also configure “Option Input 1 - 4 (→page 98)”. • Answer Call / Page: Contact input during an incoming call answers the call. • Paging: Option input originates a page. Be sure to also configure “Option Input Page (→page 116)”. • Message Page: Option input originates a message page. Be sure to also configure “Option Input Page (→page 116)”. • External Input Page: Option input originates a page using an external audio source. Only one input terminal may be configured. Be sure to also configure “Option Input Page (→page 116)”. • Turn LCD On: Option input turns the LCD display backlight ON for IX-MV7-.* • API: Option input sends the CGI command configured for "API 1" and "API 2."
Default values	No Function

■ Type

Description	Set the detection method of contact input.
Settings	• Make • Break
Default values	Make

■ Detection Time Range

Description	Set the detection confirmation time of contact input.
Settings	• 0 (Immediate): Detect at input less than 200 msec. • 200 - 2000 [msec]: Select when setting a value from 200 to 2000 msec (by 100 msec). Enter the time in "Detection Time♦." • 3 - 600 [sec]: Select when setting a value from 3 to 600 sec (by 1 sec). Enter the time in "Detection Time♦."
Default values	200 msec

■ API 1

Description	Configure the CGI command to send when "API" is selected for "Function."
Settings	URL: 1 - 128 alphanumeric characters.
Default values	—

■ API 2

Description	Configure the CGI command to send when "API" is selected for "Function."
Settings	URL: 1 - 128 alphanumeric characters.
Default values	—

5.2 Relay Output

Click **[Relay Output]**.

●Relay Output

Relay Output

Warning: Click Update to save settings before clicking the Relay Output button or changes will be lost.

Or, click "Relay Output" in the Setting menu to switch to the Relay Output window.

●Relay Output

If the Relay Output number is changed, unsaved settings will be lost. Click Update to save settings.

Relay Output # Relay Output 1

●Name 1-24 alphanumeric characters

●Function

☒ No Function

☐ Status Output

	Normal	Priority	Urgent
Outgoing Call	☐	☐	☐
Incoming Call	☐	☐	☐
Communication	☐	☐	☐
Outgoing Page	☐		☐
Incoming Page	☐		☐

☐ Door Release

●Option Relay Control ☐ Enable ☒ Disable [Set the Option Relay Control Authentication Key here.](#)

●Output Time Range

☒ 200-2000 [msec]

☐ 3-600 [sec]

Output Time [msec/sec] 200-2000 msec / 200 msec step
3-600 sec / 1 sec step

(*) Only valid when Relay Output function is set to Door Release or is controlled by CGI.
(*) Setting invalid when Relay Output is controlled by Option Relay Control.

●Door Release Authorization Authentication Key

(*) 1-20 digits
(*) Authentication Key must match between communicating stations to enable Door Release.

●Sound Settings

Door Release Operation Sound

(*) Tone generated at door release destination station.

Relay Control (start) None

(*) Tone generated at door release destination station.

Relay Control (end) None

(*) Tone generated at door release destination station.

! Important

- The four relay output methods are shown below. Redundant configuration is possible for each output terminal. If multiple commands occur during a single relay output, the latest command will take priority. Relay output may continue or stop depending on the latest command, even during relay output.

- Function selected in [“Function \(→page 107\)”](#)
- [“Option Relay Control \(→page 108\)”](#)
- [“Schedule Settings \(→page 109\)”](#)
- [“CGI \(→page 131\)”](#)

5.2.1 Relay Output Advanced Settings

How to configure Relay Output

1. Select the contact output to be configured in "Relay Output #"
• The settings of the selected contact output are displayed.
2. Configure each item.
3. When configuration is complete, click **[Update]**.

■ Name

Description	Configure the name for the relay output.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Function

Description	Set the function of contact output.
Settings	• No Function • Status Output : Relay output is performed based on the operation of the station. Relay output will continue during operation. Details are configured in "Transfer output advanced settings (→page 107)". • Door Release : Relay output is performed when the Door Release button is pressed on this device or the other station/VoIP Phone, or door release key input caused through operation of the numerical keypad. Configure the output time in "Output Time Range (→page 108)".
Default values	No Function

Transfer output advanced settings

If "Status Output" is configured in "Function," select the station operating state for when relay output occurs. This can be selected for each operation priority (multiple selections allowed).

● Status Output	Normal	Priority	Urgent
Outgoing Call	☐	☐	☐
Incoming Call	☐	☐	☐
Communication	☐	☐	☐
Outgoing Page	☐		☐
Incoming Page	☐		☐



Note

- For "Outgoing Page" and "Incoming Page," relay output is performed even during message paging and external input paging.

■ Option Relay Control

Description	Configure whether to enable or disable control when controlling the output terminals using the Speed Dial buttons on another IX-MV7-* station. If set to "Enable," this can be controlled as optional relay. Be sure to also configure "Option Relay Control Authentication Key (→page 112)" . The output time will be the output time configured in the IX-MV7-* providing control.
Settings	• Enable • Disable
Default values	Disable

■ Output Time Range

Description	Configure the output time range of the relay output if "Door Release" was selected in "Function (→page 107)" or if the output terminal is controlled via "CGI (→page 131)" .
Settings	• 200 - 2000 [msec]: Select when configuring a value from 200 to 2000 msec (by 200 msec). Enter the time in "Output Time [msec/sec]◆." • 3 - 600 [sec]: Select when setting a value from 3 to 600 sec (by 1 sec). Enter the time in "Output Time [msec/sec]◆."
Default values	400 msec

■ Door Release Authorization

Description	If "Door Release" was selected in "Function (→page 107)" , configure the authentication key used to authenticate door release for the electrical lock connected to the station. Door release will be permitted if it matches the authentication key of the station connected to the door to release. This will also be the authentication key used to release the door using the numerical keypad on IX-MV7-* or VoIP Phone.
Settings	1 - 20 digits
Default values	—

! Important

- Configure the Authentication Key using 1 to 4 digits if the electrical lock connected to this device will be released by operating IX-MV.
- Configure a different authentication key for each output terminal. (The same key cannot be configured.)
- Configure a setting value for the authentication key that differs from the authentication key set in "Option Relay Control Authentication Key." If the setting value is the same, both functions might operate.

💡 Note

- The "Authentication Key" is displayed as "●●●●●" in the Settings window.

■ Sound Settings

Description	Configure the sound for the output terminal. • Door Release: Configure the tone heard when relay output is performed to release the electrical lock. • Relay Control (start): Configure the tone heard when relay output starts via optional relay. • Relay Control (end): Configure the tone heard when relay output stops via optional relay.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Door Release: Operation Sound Relay Control (start): None Relay Control (end): None

5.2.1.1 Schedule Settings

How to configure the Weekly Schedule

Configure the time at which to perform relay output for each day of the week, from Sunday to Saturday. 12 schedules can be set for each day.

●Schedule Settings

Weekly Schedule
Up to 12 schedules can be set per day.

#	Sun			Mon			Tue			Wed			Thu			Fri			Sat		
	Start Time	End Time		Start Time	End Time		Start Time	End Time		Start Time	End Time		Start Time	End Time		Start Time	End Time		Start Time	End Time	
1	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
2	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
3	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
4	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
5	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
6	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
7	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
8	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
9	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	
10	Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute		Hour	Minute	

1. Configure the "Start Time" and "End Time" for each day of the week.
2. When done, click **[Update]**.

■ Start Time

Description	Set the time when contact output starts.
Settings	00:00 - 23:59
Default values	-

■ End Time

Description	Configure the time to stop relay output. If this is set earlier than "Start Time (→page 109)" , the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the Weekly Schedule

1. Return settings to their default values, and then click **[Update]**.

How to configure Daily Schedule

Configure the time at which relay output will be performed, in units of one day. A schedule one year from the set day can be configured. 12 schedules can be set for each day.

Daily Schedule

If the display month is changed by "<<" or ">>", unsaved settings will be lost. Click Update to save settings.

<< January, 2018 >>

Calendar

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Monday, January 1, 2018

= Weekly

= Daily

= Today

0/12Registered Schedules

Start Time	End Time	
Hour Minute	Hour Minute	Add (*) Press "Add" button to register.

Monday, January 1 Status Output Schedule List (Daily, Weekly)

#	Type	Start Time	End Time	Delete
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Set schedule list

1. Select the day for which to set a schedule from "Calendar."
2. Configure the "Start Time" and "End Time," and then click **[Add]**.
3. When done, click **[Update]**.

■ Start Time

Description	Set the time when contact output starts.
Settings	00:00 - 23:59
Default values	-

■ End Time

Description	Configure the time to stop relay output. If this is set earlier than "Start Time (→page 111)" , the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

How to delete Daily Schedule

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
 - If a weekly schedule is configured for the selected day of the week, it will also be displayed.
3. Click **[Delete]** for the schedule to delete, and then click **[Update]**.
 - Refer to ["How to delete the Weekly Schedule \(→page 110\)"](#) for information on deleting weekly schedules.

5.2.2 Option Relay Control Authentication Key

Option Relay Control Authentication Key: 1-20 digits

Description	If "Option Relay Control (→page 108)" is set to "Enable" and "Speed Dials / Favorites" - "TLS" is set to "Enable" for the station to control, configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station performing the operation, the output terminal can be controlled.
Settings	1 - 20 digits
Default values	—



Note

- A single Option Relay Control Authentication Key can be configured for a station. It will be shared among multiple output terminals.
- The "Option Relay Control Authentication Key" is displayed as "●●●●" in the Settings window.

6. Paging Settings

! Important

- All pages, groups pages, message pages, and external input pages cannot be sent to VoIP Phones.

6.1 Paging Origination

●Paging Origination

Paging Timeout [sec] ♦	30	10-600sec
Paging Wait Timer [sec] ♦	10	1-20sec
Urgent Page Response	☐ Enable	☒ Disable
Lock Paging	☐ Enable	☒ Disable

■ Paging Timeout [sec] ♦

Description	Set the maximum paging duration.
Settings	10 - 600 sec (by 1 sec)
Default values	30 sec

■ Paging Wait Timer [sec] ♦

Description	Configure the answer waiting time for all recipients when paging. Once the set time elapses, paging will begin even for stations with no answer.
Settings	1 - 20 sec (by 1 sec)
Default values	10 sec

■ Urgent Page Response

Description	Configure whether to refuse call answer or end operations on the station being called, when an urgent page is sent.
Settings	• Enable • Disable
Default values	Disable

! Important

- If the station being called is IX-MV, end operations can be performed even if urgent paging rejecting is set to "Enable."
- A page may not be sent to a station if a response is received after the "paging wait timer" elapses. If sending pages to many stations, configure a longer paging wait timer.

■ Lock Paging

Description	Configure whether to disable the function for sending pages.
Settings	• Enable: Do not display the "Paging Settings" button on the main screen. • Disable
Default values	Disable



Note

- Configure the pretone when a page is received in "Volume / Tone" - ["Paging Pretone \(→page 184\)"](#).

6.2 All Page

! Important

- Unicast can reach up to 50 stations. If you need to page more than 50 stations at once during all paging, configure this to use multicast.
- When paging stations in multicast, be sure to configure [“Multicast address \(→page 76\)”](#).

• **All Page**

Multicast is utilized for All Page function (by default) and must be configured for the stations.
Max. 50 stations can be paged using unicast transmission. Select stations for unicast transmission.

Station List	Unicast
0001 004 Video Door Station4	☐
0002 001 Master Station1	☐
0003 008 Audio Door Station8	☐
0004 020 Master Station20	☐

■ Unicast

Description	Select this to page the stations in unicast. Unicast can reach up to 50 stations.
Settings	• Unchecked: Multicast transmission • Checked: Unicast transmission
Default values	Unchecked: Multicast transmission

6.3 Option Input Page

Configure contact input paging. Configure this if "Paging," "Message Page," or "External Input Page" was selected in "Option Input" - ["Function \(→page 105\)"](#).

How to configure Option Input Page

1. Select the contact input to set for "Input setting no..". This cannot be selected if "Paging Settings," "Message Page," or "External Input Page" is not set for contact input.
 - The settings of the selected contact input are displayed.
2. Configure each item.
3. When done, click **[Update]**.

■ Destination

Description	Select the paging transmission destination.
Settings	• All Page • Group: 01 - 99
Default values	All Page

■ Priority

Description	Configure the paging priority.
Settings	• Normal • Urgent
Default values	Normal

■ Message File Name

Description	If "Message Page" is selected in "Option Input" - "Function (→page 105)" , configure the message for message paging.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Play Count [time(s)]

Description	Set the tone count for the message set in "Message File Name."
Settings	1 - 20 times
Default values	1 time

7. Function Settings

7.1 Door Release

7.1.1 Door Release Assignment

•Door Release

Door Release Assignment

Station List	Contact Assignment	Authentication Key (*) 1-20 digits
0001 004 Video Door Station4	Destination Station ▼	
0002 001 Master Station1	Destination Station ▼	
0003 008 Audio Door Station8	Destination Station ▼	
0004 020 Master Station20	Destination Station ▼	

■ Contact Assignment

Description	Configure which station's connected electrical lock to release for each station, when a door release operation is performed during a call or when monitoring.
Settings	• Originating Station: Release the electric lock connected to this station. • Destination Station: Release the electric lock connected to the other station.
Default values	Destination Station

■ Authentication Key

Description	Configure the door release key to release the electrical lock connected to the other station when a door release operation is performed, when "Contact Assignment" is set to "Destination Station." Door release is possible when it matches the Authentication Key of the destination station.
Settings	1 - 20 digits
Default values	—



Note

- "Authentication Key" are displayed as "•••••" on the screen.
- Configure the door release key using 1 to 4 digits, when releasing an electrical lock connected to IX-MV, IX-DA(-*), or IX-BA.

7.2 Network Camera Integration

Configure settings related to network camera profiles and topics (events).

To configure, register the network camera beforehand in "Address Book" - ["Network Camera List \(→page 91\)"](#).

! Important

- When a network camera is registered to the network camera list through Web configuration, information ("Profile" and "Event") is automatically obtained from the registered network camera. Multicast is used to obtain information. Network camera information cannot be obtained in environments where multicast cannot be used. In this case, register the network camera using IX Support Tool and then obtain information.

7.2.1 Profile Setting

•Network Camera Integration

Profile Setting

#	Network Camera Name	Profile
001	Network Camera1	

■ Profile

Description	Configure the profile of the network camera. For details of the profile, refer to the manual of the network camera.
Settings	—
Default values	—

7.2.2 Event Registration

Register the network camera event. When the registered event is received, network camera monitoring begins and the notification tone is played, or the outgoing call command is sent to the set call command station.

Event Registration

ID must be 1-32 alphanumeric characters.
Password must be 1-32 alphanumeric characters.
Call Destination Number must be 2-32 digits.
Enter a station number or group number for Call Destination.

#	Network Camera Name	Event	Function	Event Tone	ID	Password	Call Origination	Call Destination	Priority
1				Call Pattern 3					
2				Call Pattern 3					
3				Call Pattern 3					
4				Call Pattern 3					
5				Call Pattern 3					
6				Call Pattern 3					
7				Call Pattern 3					
8				Call Pattern 3					
9				Call Pattern 3					
10				Call Pattern 3					
11				Call Pattern 3					
12				Call Pattern 3					
13				Call Pattern 3					
14				Call Pattern 3					
15				Call Pattern 3					

Play count of Event Tone

■ Network Camera Name

Description	Select the network camera for which an event is to be registered.
Settings	—
Default values	—

■ Event

Description	Configure the topic (event) of the network camera. For details of the Event, refer to the manual of the network camera.
Settings	—
Default values	—

■ Function

Description	Select the operation when an event of the network camera is received.
Settings	• Monitor: Begin network camera monitoring. • Call: Make an outgoing call from the station set in “Call Origination (→page 121)”. Configure “Call Origination (→page 121)”, “Call Destination (→page 121)”, and “Priority (→page 121)”.
Default values	-

■ Event Tone

Description	Select the notification tone heard when an event is received from the network camera. It can be set for each event.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 3

■ ID

Description	If "Call operation" was set in “Function (→page 120)” , configure the administrator ID of the station set in “Call Origination (→page 121)” .
Settings	1-32 alphanumeric characters
Default values	—

■ Password

Description	If "Call operation" was set in “Function (→page 120)” , configure the password of the station set in “Call Origination (→page 121)” .
Settings	1-32 alphanumeric characters
Default values	—

**Note**

- The "Password" is displayed as "●●●●●" in the Settings window.

■ Call Origination

Description	If "Call" was set in "Function (→page 120)" , configure from which station to make the outgoing call. Additionally, configure the "CGI Integration" setting of the set station to "Yes."
Settings	Select from the stations registered in "Station List♣ (→page 89)" . This cannot be selected for IXW-MA.
Default values	—

■ Call Destination

Description	Configure the recipient station number or group number when the station configured in "Call Origination (→page 121)" makes an outgoing call.
Settings	Station Number: 3-32 digits Group Number: 01 to 99
Default values	—

■ Priority

Description	Configure the call priority when the station configured in "Call Origination (→page 121)" makes an outgoing call.
Settings	• Normal • Priority • Urgent
Default values	—

7.2.2.1 Play count of Event Tone

Description	Configure the ringtone count for notification tones when "Function (→page 120)" is set to "Monitor." The ringtone count will be the same for all network cameras and events registered to the station. If "Call" is set, the ringtone count for the event notification tone will be one time only.
Settings	• 1 - 20 times • Infinite: Sound continues until the event generated by the network camera is received.
Default values	1 time

7.3 Email

Configure the email function (function that sends information on station operation to the set email address).

Email

Server Settings

SMTP Server

SMTP Port

SMTP Encryption

25

OFF

TLS

STARTTLS

The "STARTTLS" setting depends on the configuration of the SMTP server.

1-255 alphanumeric characters

1-65535

Authentication Settings

SMTP Authentication Mode

ID

Password

ON

OFF

LOGIN

CRAM-MD5

1-64 alphanumeric characters

1-64 alphanumeric characters

Email Addresses

Destination 1

Destination 2

Destination 3

Source Address

1-64 alphanumeric characters

1-64 alphanumeric characters

1-64 alphanumeric characters

1-64 alphanumeric characters

7.3.1 Server Settings

SMTP Server

Description	Set the SMTP server. Configure either the IP address or hostname.
Settings	1 - 255 alphanumeric characters
Default values	—

SMTP Port

Description	Enter the port to be used for SMTP.
Settings	1 - 65535
Default values	25

SMTP Encryption

Description	Enter the SMTP encryption method.
Settings	• OFF • TLS • STARTTLS
Default values	OFF

7.3.2 Authentication Settings

■ SMTP Authentication

Description	Set whether to enable or disable SMTP authentication.
Settings	• ON • OFF
Default values	OFF

■ Mode

Description	Set the SMTP authentication mode.
Settings	• LOGIN • CRAM-MD5
Default values	LOGIN

■ ID

Description	Set the ID for SMTP authentication.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Password

Description	Set the password for SMTP authentication.
Settings	1 - 64 alphanumeric characters
Default values	—



Note

- The "Password" is displayed as "●●●●●" in the Settings screen.

7.3.3 Email Addresses

■ Destination 1

Description	Configure the email recipient address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Destination 2

Description	Configure the email recipient address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Destination 3

Description	Configure the email recipient address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Source Address

Description	Configure the email sending (from) address.
Settings	1 - 64 alphanumeric characters
Default values	—

7.3.4 Email Event Trigger

Configure the sending trigger used to send emails. A sending trigger can be configured for each destination address.

Email Event Trigger

Event	Destination Address		
	(1)	(2)	(3)
Outgoing Normal Call	☐	☐	☐
Incoming Normal Call	☐	☐	☐
Outgoing Priority Call	☐	☐	☐
Incoming Priority Call	☐	☐	☐
Outgoing Urgent Call	☐	☐	☐
Incoming Urgent Call	☐	☐	☐
Door Release Activated	☐	☐	☐
Call Failed	☐	☐	☐
Error	☐	☐	☐
Station Restarted	☐	☐	☐
SD Card Error	☐	☐	☐
Recording Memory Full	☐	☐	☐
Line Supervision (Passed)	☐	☐	☐
Line Supervision (Failed)	☐	☐	☐
Device Check (Passed)	☐	☐	☐
Device Check (Failed)	☐	☐	☐

[UTF-8] used for "Subject" encoding, the subject may be incorrectly decoded depending on mail server.

Event	Subject 1-64 alphanumeric characters
Outgoing Normal Call	
Incoming Normal Call	
Outgoing Priority Call	
Incoming Priority Call	
Outgoing Urgent Call	
Incoming Urgent Call	
Door Release Activated	
Call Failed	
Error	
Station Restarted	
SD Card Error	
Recording Memory Full	
Line Supervision (Passed)	
Line Supervision (Failed)	
Device Check (Passed)	
Device Check (Failed)	

■ Outgoing Normal Call

Description	An email message will be sent when an outgoing call of "Normal" priority is made.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Incoming Normal Call

Description	An email message will be sent when an incoming call of "Normal" priority is received.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Outgoing Priority Call

Description	An email message will be sent when an outgoing call of "Priority" priority is made.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Incoming Priority Call

Description	An email message will be sent when an incoming call of "Priority" priority is received.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Outgoing Urgent Call

Description	An email message will be sent when an outgoing call of "Urgent" priority is made.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Incoming Urgent Call

Description	An email message will be sent when an incoming call of "Urgent" priority is received.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Door Release Activated

Description	An email message will be sent when the door release button or numerical keypad is used to perform a door release operation.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Call Failed

Description	An email message is sent when an outgoing call fails.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Error

Description	An email message will be sent when a communication error occurs and is restored.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Station Restarted

Description	Send an email message when the station restarts.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SD Card Error

Description	An email message will be sent when a microSD card access error is detected. If multiple errors are detected in a row, the email message will not be sent from the second time onward.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Recording Memory Full

Description	An email message will be sent when a microSD card experiences any of the following. If multiple errors are detected in a row, the email message will not be sent from the second time onward. • If “Prevent Overwrite (→page 143)” is set to "Prohibit" – When the number of video and audio files saved exceeds 950 – When only 5% or less of the total storage space of the microSD card is free • If “Prevent Overwrite (→page 143)” is set to "Do not prohibit" – When the number of video and audio files saved reaches 999 – When 0% of the total storage space of the microSD card is free
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Line Supervision (Passed)

Description	An email message is sent when line monitoring is normal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Line Supervision (Failed)

Description	An email message is sent when line monitoring is abnormal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Device Check (Passed)

Description	An email message is sent when malfunction monitoring is normal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Device Check (Failed)

Description	An email message is sent when malfunction monitoring is abnormal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Subject

Description	Configure the Subject of the email message for each trigger. This will be used for all destination addresses.
Settings	1 - 64 alphanumeric characters
Default values	—

 Important

- "UTF-8" is used to encode the "Subject." Characters may display incorrectly depending on the email client. To avoid this, set the encoding method to "UTF-8."

7.3.5 Periodic Log Transmission

Periodic Log Transmission			
Settings	Destination Address		
	(1)	(2)	(3)
Periodic Log Transmission	Disable	Disable	Disable
Periodic Log Transmit Time	00 Hour 00 Minute	00 Hour 00 Minute	00 Hour 00 Minute
Periodic Log Transmit Interval	1 day	1 day	1 day
Periodic Log Transmission Subject			

■ Periodic Log Transmission

Description	Send a system log by email regularly.
Settings	• Enable • Disable
Default values	Disable

■ Periodic Log Transmit Time

Description	Configure the time to send "Periodic Log Transmission."
Settings	From 00:00 to 23:59
Default values	00:00

■ Periodic Log Transmit Interval

Description	Configure the transmission interval for "Periodic Log Transmission."
Settings	1 day - 7 days
Default values	1 day

■ Periodic Log Transmission Subject

Description	Configure the subject text of the email message for "Periodic Log."
Settings	1 - 64 alphanumeric characters
Default values	-

! Important

- "UTF-8" is used to encode the "Periodic Log Transmission Subject." Characters may display incorrectly depending on the email client. To avoid this, set the encoding method to "UTF-8."

7.3.6 Send Test Email

Send a test email to the address set in [“Email Addresses \(→page 124\)”](#).

Send Test Email

Send

How to send a test email

1. Click **[Send]**.
2. The following email is sent to the set email address.
 Example of sending an email message:
 When sending a test email from this device (Station Number: 001, Station Name: Intercom Station 1, Location: Office).

From	△△△△@△△△△△.com
Date and time	2018/11/20 15:22
To CC	xxxx@xxxxx.com
Subject	001 Intercom Station 1 Test Email
Text	Test Email sent at "20181120 15:22:46." Station Number: [001] Station Name: [Intercom Station 1] Station location: [Office]

Important

- "UTF-8" is used to encode the "Subject." Characters may display incorrectly depending on the email client. To avoid this, set the encoding method to "UTF-8."

7.4 CGI

For details of the CGI function, contact the local Aiphone representative.

7.4.1 CGI Functionality

• CGI

CGI Functionality

☐ Enable

☒ Disable

Description	Configure whether to receive CGI control commands.
Settings	• Enable • Disable
Default values	Disable

 Important

• When multiple CGI control commands are received, CGI control may fail.

7.5 SIF

For details of the SIF function, contact the local Aiphone representative.

•SIF

SIF Functionality ☐ Enable ☒ Disable
 SIP URI Format ☐ Enable ☒ Disable

SIF Settings

#	Program Type 0000-1111	IPv4 1.0.0.1-223.255.255.254 or hostname (1-64 alphanumeric characters)	IPv6 ::FF-0-FFFF-FFFF-FFFF-FFFF-FFFF or hostname(1-64 alphanumeric characters)	Destination Port 1-65535	SSL	Connection
1					☐	☐
2					☐	☐
3					☐	☐
4					☐	☐
5					☐	☐
6					☐	☐
7					☐	☐
8					☐	☐
9					☐	☐
10					☐	☐
11					☐	☐
12					☐	☐
13					☐	☐
14					☐	☐

7.5.1 SIF Functionality

Description	Set whether the SIF function is used.
Settings	• Enable • Disable
Default values	Disable

7.5.2 SIP URI Format

Description	Configure whether SIP_URI is specified by the other device. If set to "Enable," TERMID cannot be used.
Settings	• Enable • Disable
Default values	Disable

7.5.3 SIF Settings

Configure SIF recipient and communication settings. 16 settings can be configured.



Note

- There are two ways to configure SIF communication: directly entering settings, or uploading a file in "[SIF Communication Settings \(sif.ini\)](#)" ([→page 141](#)). The latest setting will take priority.

■ Program Type

Description	Set the SIF program type code.
Settings	0000 - 1111 If this is set to "0000," "0001," or "0011," the "Transmission Trigger (→page 134)" setting will be disabled.
Default values	—

■ IPv4

Description	Set the IPv4 address of the SIF destination. When using a hostname, set up "DNS (→page 71)" .
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 address of the SIF destination. When using a hostname, set up "DNS (→page 71)" .
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1-64 alphanumeric characters)
Default values	—

■ Destination Port

Description	Set the port number of the SIF destination.
Settings	1 - 65535
Default values	—

■ SSL

Description	Set whether SSL is used for communication.
Settings	• Enable • Disable
Default values	-

■ Connection

Description	Set the socket connection method.
Settings	• Socket • HTTP
Default values	-

7.5.4 Transmission Trigger

Configure the SIF sending trigger when [“Program Type \(→page 133\)”](#) is set to "0010" or "0100-1111."

Event	Transmission															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Begin Outgoing Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Communication (Source)	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Door Release Indication	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Communication	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Change contact	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Unit error	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin broadcast	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End broadcast	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Transfer	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Transfer	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Periodical Transmission	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Initialization Notice	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Outgoing Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Incoming Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Change Call Destination	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Call Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Transfer Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin On Hold	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End On Hold	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Page	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Incoming Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Change Call Destination	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Call Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Transfer Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin On Hold	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End On Hold	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Page	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Incoming Page	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Paging Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Monitoring Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Communication (Destination)	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Privacy	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Privacy	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Keypad Input	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Speed Dial Input	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Record	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Record	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Recording Memory Full	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Passed Line Supervision	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Failed Line Supervision	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Passed Device Check	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Failed Device Check	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
SD Card Error	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
SIP Registration Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Network Camera Event	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

■ Begin Outgoing Call

Description	A SIF command is sent when an outgoing call is made.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Source)

Description	A SIF command is sent when a call begins.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Door Release Indication

Description	A SIF command is sent when the door release button or numerical keypad is used to perform a door release operation.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Communication

Description	A SIF command is sent when a call ends.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Change contact

Description	A SIF command is sent when there has been a change in the contact input or relay output.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Unit error

Description	A SIF command is sent when a device failure is detected.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin broadcast

Description	A SIF command is sent when incoming paging, message paging, or external input paging starts.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End broadcast

Description	A SIF command is sent when outgoing paging, message paging, or external input paging stops.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Transfer

Description	A SIF command is sent when a call is transferred or a call with a transfer destination station begins.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Transfer

Description	A SIF command is sent when a call is transferred or a call with a transfer destination station ends.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Periodical Transmission

Description	Send device state periodically via SIF command. This will be sent at the interval set in “Periodical Transmission Interval (→page 141)” .
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Initialization Notice

Description	A SIF command is sent when this device starts up.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Outgoing Call

Description	A SIF command is sent when an outgoing call ends.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Incoming Call

Description	A SIF command is sent when an incoming call is received.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Incoming Call

Description	A SIF command is sent when an incoming call ends.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Change Call Destination

Description	A SIF command is sent from this device when the call destination is changed by the station called from this device performing an absent transfer, delay transfer, or schedule transfer.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Call Failure

Description	A SIF command is sent when an outgoing call fails.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Incoming Transfer Call

Description	A SIF command is sent when absent transfer, delay transfer, or schedule forwarding is performed.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin On Hold

Description	A SIF command is sent when a call is put on hold.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End On Hold

Description	A SIF command is sent when the call hold is released.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Incoming Page

Description	A SIF command is sent when incoming paging, message paging, or external input paging starts.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Incoming Page

Description	A SIF command is sent when incoming paging, message paging, or external input paging ends.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Paging Failure

Description	A SIF command is sent when outgoing paging, message paging, or external input paging fails.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Monitoring

Description	A SIF command is sent when monitoring or scan monitoring starts.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Monitoring

Description	A SIF command is sent when monitoring or scan monitoring stops.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Monitoring Failure

Description	A SIF command is sent when monitoring or scan monitoring fails.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Destination)

Description	A SIF command is sent when a call is responded to.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Privacy

Description	A SIF command is sent when privacy settings start.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Privacy

Description	A SIF command is sent when privacy settings are released.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Keypad Input

Description	A SIF command is sent when the number entered with the numerical keypad is sent to the other station.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Speed Dial Input

Description	A SIF command is sent when a quick call button is pressed.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Record

Description	Sends out an SIF command when recording is started.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Record

Description	Sends out an SIF command when recording is stopped.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Recording Memory Full

Description	A SIF command is sent when a microSD card experiences any of the following. If multiple errors are detected in a row, a SIF command will not be sent from the second time onward. • If "Prevent Overwrite (→page 143)" is set to "Prohibit" – When the number of video and audio files saved exceeds 950 – When only 5% or less of the total storage space of the microSD card is free • If "Prevent Overwrite (→page 143)" is set to "Do not prohibit" – When the number of video and audio files saved reaches 999 – When 0% of the total storage space of the microSD card is free
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Passed Line Supervision

Description	A SIF command is sent when line monitoring is normal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Failed Line Supervision

Description	A SIF command is sent when line monitoring is abnormal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Passed Device Check

Description	A SIF command is sent when malfunction monitoring is normal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Failed Device Check

Description	A SIF command is sent when malfunction monitoring is abnormal.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SD Card Error

Description	A SIF command is sent when a microSD card access failure is detected.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SIP Registration Failure

Description	A SIF command is sent when there is an error with the REGISTER request sent to the SIP server.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Network Camera Event

Description	A SIF command is sent when an event from the network cameras is received.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

7.5.5 Periodical Transmission Interval

Periodical Transmission Interval

Periodical Transmission Interval min 0-1440 minutes. For 1-59 seconds, enter 10001-10059.

■ Periodical Transmission Interval◆

Description	Configure the transmission interval when “ Periodical Transmission (→page 136) ” is configured to periodically send the status of this station via SIF command.
Settings	• 0 (Do not send) - 1440 (min) • 1 - 59 (sec): Enter 10001 - 10059 when setting 1 - 59 sec.
Default values	0 (do not send)

7.5.6 SIF File Management

SIF File Management

SIF Communication Settings (sif.ini)

SIF Parameter Settings (sif_conf.ini)

■ SIF Communication Settings (sif.ini)

Description	Upload or download the content in “ SIF Settings (→page 132) ” with "sif.ini." • Upload: Click [Browse], select a file, and then click [Upload]. • Download: Click [Download] to save the file.
Settings	—
Default values	—

■ SIF Parameter Settings (sif_conf.ini)

Description	Use "sif_conf.ini" to upload or download SIF details if “ Program Type (→page 133) ” is set to "0000," "0001," or "0011." • Upload: Click [Browse], select a file, and then click [Upload]. • Download: Click [Download] to save the file.
Settings	—
Default values	—

7.6 Record

Recording video/audio requires an SD standard compliant microSD memory card that meets the following specifications.

Standard	Supported storage capacity	Format	Speed class
microSDHC memory cards	4 GB to 32 GB	FAT32	SD speed class 10 UHS speed class 1 or greater
microSDXC memory cards	64 GB to 128 GB	exFAT	

•Record

Record Event	☐ Incoming Call	☐ Communication	☐ Monitor
Recorded Device	☒ IX Station	☐ Network Camera	
Prevent Overwrite	☐ Enable	☒ Disable	
Video Recording File Length	10 min		
Event Recording Timer	Disable		
Manual Recording	☒ Enable	☐ Disable	
Audio Recording	☒ Enable	☐ Disable	

! Important

- This station does not include a microSD card. Please purchase a compatible microSD card.
- Some microSD cards may not operate properly.
- If the card contains data other than video/audio files, it may not have enough space left to record video/audio recordings.
- The network camera may not be able to record video, depending on the size of the video.

■ Record Event

Description	Define a trigger to start auto recording.
Settings	Select multiple from the following. • Incoming Call: Video recording will start when there is an incoming call. If a call is automatically answered, video/audio recording will begin during the call. • Communication: Video/audio recording will start when the call starts. • Monitor: Video/audio recording will start when monitoring starts. Video/audio cannot be recorded during scan monitoring.
Default values	Not selected

💡 Note

- If this is set to "Incoming call" and multiple calls are received, video/audio is recorded from the call displayed on the screen. Other calls will begin video/audio recording when the call displayed on the screen ends or when the call is answered.

■ Recorded Device

Description	Configure what video is recorded if the IX System station video and network camera video are displayed on two screens.
Settings	• IX Station: Record video from the IX System station. • Network Camera: Record video from the network camera.
Default values	IX Station

■ Prevent Overwrite

Description	Configure whether overwriting old video/audio files is prohibited, when the number of saved video/audio files or the microSD card storage space is full.
Settings	• Enable • Disable
Default values	Disable

■ Video Recording File Length

Description	Configure the interval for dividing files when a single video/audio recording becomes too long.
Settings	• 5 min • 10 min • 20 min • 40 min • 60 min
Default values	10 min



Note

- If the video/audio recording file split time setting is changed while recording video, the setting will not be applied until the video/audio recording is first stopped.

■ Event Recording Timer

Description	Configure the time to stop once video/audio recording has started, regardless of whether it is automatic or manual.
Settings	• Disable: Does not stop until the operating status ends or the record video button is touched. • 5 sec • 10 sec • 30 sec
Default values	Disable

■ Manual Recording

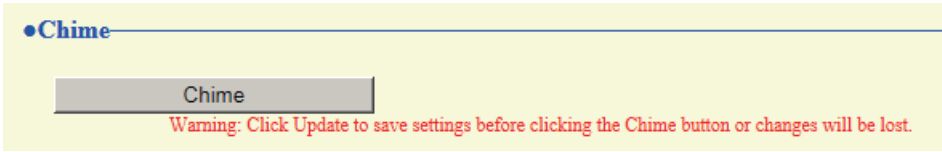
Description	Configure whether to allow manual video/audio recording.
Settings	• Enable • Disable
Default values	Enable

■ Audio Recording

Description	This determines whether to record audio while recording video.
Settings	• Enable • Disable
Default values	Enable

7.7 Chime

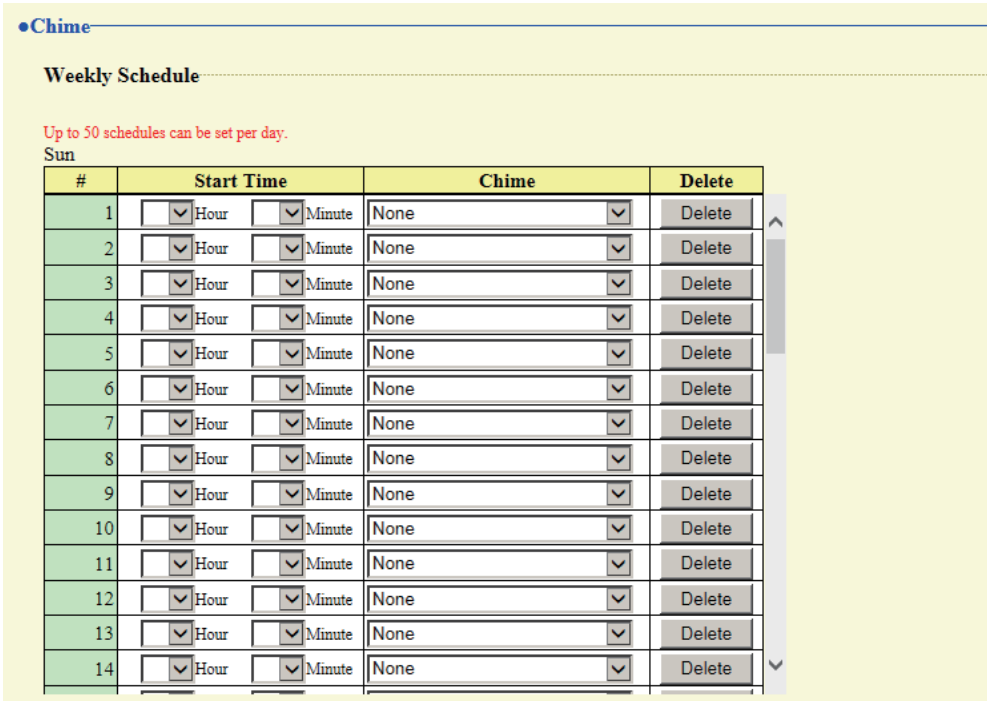
Configure the chime tone heard from this device linked with the set schedule.
Click **[Chime]**.



Or, click "Chime" in the Setting menu to switch to the Chime window.

7.7.1 Weekly Schedule

Configure the chime tone start time and the chime tone for each day from Sunday through Saturday.
50 schedules can be set for each day.



How to configure the Weekly Schedule

- 1. Configure the "Start Time" and "Chime" for each day of the week.
- 2. When done, click **[Update]**.

■ Start Time

Description	Configure the time to begin playing the chime sound.
Settings	00:00 - 23:59
Default values	—

■ Chime

Description	Configure the chime sound to play.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	None

How to delete the Weekly Schedule

1. Click **[Delete]** on the row of the schedule to delete.
2. Click **[Update]**.

7.7.2 Daily Schedule

Configure the chime tone start time and the chime tone, in units of one day.
A schedule one year from the set day can be configured. 50 schedules can be set for each day.

Daily Schedule

If the display month is changed by "<<" or ">>", unsaved settings will be lost. Click Update to save settings.

<< January, 2018 >>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Monday, January 1, 2018

= Weekly

= Daily

= Today

Calendar

0/50Registered Schedules

Start Time		Chime	
Hour	Minute	None	Add

(*) Press "Add" button to register.

Monday, January 1

Chime Schedule List (Daily, Weekly)

#	Type	Start Time	Chime	Delete
1				
2				

Set schedule list

How to configure schedules

1. Select the day for which to set a schedule from "Calendar."

2. Configure the "Start Time" and "Chime," and then click **[Add]**.

3. When done, click **[Update]**.

■ Start Time

Description	Configure the time to begin playing the chime sound.
Settings	00:00 - 23:59
Default values	—

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■ Chime

Description	Configure the chime sound to play.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	None

How to delete schedules

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
 - If a weekly schedule is configured for the selected day of the week, it will also be displayed.
3. Click **[Delete]** for the schedule to delete, and then click **[Update]**.
 - Refer to ["How to delete the Weekly Schedule \(→page 145\)"](#) for information on deleting weekly schedules.

7.8 CSR

Generate a signature request (CSR) to submit when requesting a server certificate from a certificate authority (CA).

Field	Settings
Country (*)	The two-letter code
State/County/Region (*)	1-128 alphanumeric characters
City/Locality	1-128 alphanumeric characters
Organization (*)	1-64 alphanumeric characters
Organizational Unit	1-64 alphanumeric characters
Common Name	1-64 alphanumeric characters

(*)Required for CSR.

Create

How to generate a signature request (CSR)

1. Enter each item.
2. Click **[Create]**.
3. Specify the storage location, and then save the file that is generated.
 - The file will be saved as "CSR." Change the file name if required and save it.

■ Country

Description	Set the country name.
Settings	The two-letter code
Default values	-

■ State/County/Region

Description	Set the prefecture name.
Settings	1-128 alphanumeric characters
Default values	-

■ City/Locality

Description	Set the city/ward/town/village name.
Settings	1-128 alphanumeric characters
Default values	-

■ Organization

Description	Set the organization name.
Settings	1-64 alphanumeric characters
Default values	-

■ Organizational Unit

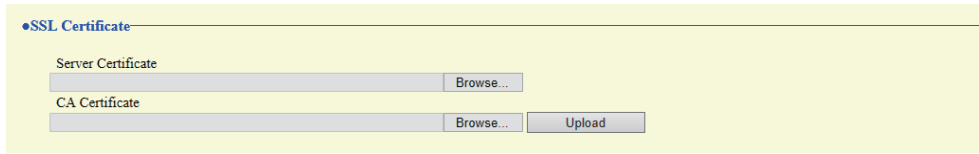
Description	Set the division name.
Settings	1-64 alphanumeric characters
Default values	-

■ Common Name

Description	Set the common name.
Settings	1-64 alphanumeric characters
Default values	The IP address of the station.

7.9 SSL Certificate

Upload the server certificate and CA certificate obtained from a certificate authority (CA).

The screenshot shows a web interface for configuring an SSL certificate. It has a yellow background. At the top left, there is a blue header with the text "•SSL Certificate". Below this, there are two rows of input fields. The first row is labeled "Server Certificate" and has a "Browse..." button to its right. The second row is labeled "CA Certificate" and has a "Browse..." button to its right. To the right of the "CA Certificate" row is an "Upload" button.

! Important

- When the SSL Certificate is uploaded, the device will restart. It may take around 10 minutes for the device to finish restarting. The station cannot be used until it has finished restarting.

How to upload an SSL Certificate

1. Click **[Browse]** next to the Server Certificate and then select a file.
2. Click **[Browse]** next to the CA Certificate (if required) and then select a file.
3. Click **[Upload]** to upload the server certificate and CA certificate.
 - The station will restart once the upload is complete.

7.10 IEEE 802.1X

Configure the settings for IEEE 802.1X authentication.

! Important

- When the "IEEE802.1X" setting is changed, the device will restart. It may take around 10 minutes for the device to finish restarting. The station cannot be used until it has finished restarting.

■ IEEE 802.1X

Description	Set whether IEEE 802.1X authentication is used.
Settings	- Enable - Disable
Default values	Disable

■ EAP

Description	Configure the EAP method if "IEEE 802.1X (→page 151)" is set to "Enable."
Settings	- TLS - PEAP
Default values	TLS

■ EAP User Name

Description	Configure the client authentication user name.
Settings	1 - 32 alphanumeric characters
Default values	—

■ EAP Password

Description	Set the password for client authentication when "PEAP" is set in "EAP."
Settings	1 - 32 alphanumeric characters
Default values	—

💡 Note

- The "EAP Password" is displayed as "●●●●" in the Settings window.

■ Certificate Authority

Description	Upload a CA certificate.
Settings	• Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	—

■ Client Certificate

Description	Upload the certificate for client authentication if "EAP" is set to "TLS."
Settings	• Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	—

■ Client Private Key

Description	Upload the private key for client authentication if "EAP" is set to "TLS."
Settings	• Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	—

7.11 Display Mode

Configure advanced settings for the screen mode (standard mode or receptionist mode) and receptionist mode.

7.11.1 Master UI Mode

•Display Mode

Changing Display Mode settings will cause station to restart after Update is clicked. This will take a few minutes.

Master UI Mode

☒Standard

☐Receptionist

! Important

- When the "Master UI Mode" is changed, the device will restart. It may take around 10 minutes for the device to finish restarting. The station cannot be used until it has finished restarting.

Description	Select the screen mode.
Settings	- Standard: Mode that allows for paging, history confirmation, and all other functions to be used - Receptionist: Mode that specializes in outgoing call functions that can be used. Advanced settings can be set in "Receptionist Mode (→page 155)".
Default values	Standard

7.11.2 Standard Mode

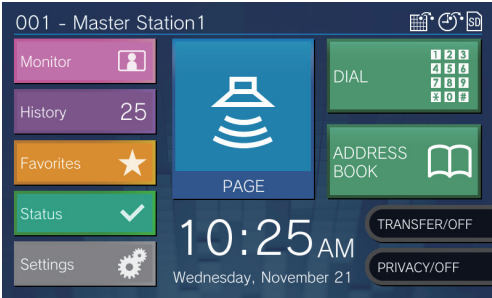
Standard Mode

Home Screen

☒Option 1

☐Option 2

■ Home Screen

Description	Configure the main screen if "Standard" is set in "Master UI Mode (→page 153)" .
Settings	• Top screen 1:  • Top screen 2: 
Default values	Option 1

7.11.3 Receptionist Mode

Configure details for the receptionist mode screen if "Receptionist" was set in ["Master UI Mode \(→page 153\)"](#).

! Important

- During receptionist mode, operations are limited to the following.
 - The outgoing call method is limited to the method set in ["Button Function \(→page 161\)"](#).
 - Auto Answer is enabled even if ["Auto Answer \(→page 101\)"](#) was set to "OFF." However, the call will not be received if ["Reject Incoming Call \(→page 162\)"](#) was set to "Enable."
 - For "Contact Input" - ["Function \(→page 105\)"](#), only "CALL" and "Turn LCD On" are valid.

Receptionist Mode

Color Scheme ☒ Light ☐ Dark
 Screen Layout ☒ Layout 1 ☐ Layout 2 ☐ Layout 3

Company Information
 Name 0-40 alphanumeric characters
 Text Size 12 12-24
 Bold ☒ OFF ☐ ON
 Text Color ☒ Option 1 ☐ Option 2

Greeting Information
 Greeting 0-100 alphanumeric characters
 Text Size 12 12-70
 Bold ☒ OFF ☐ ON
 Text Color ☒ Option 1 ☐ Option 2

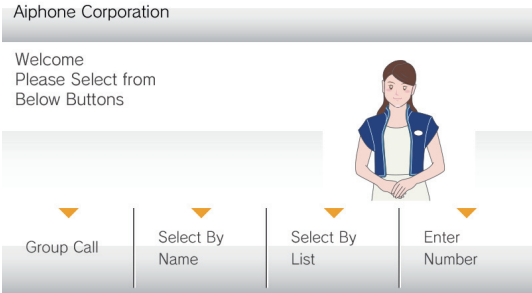
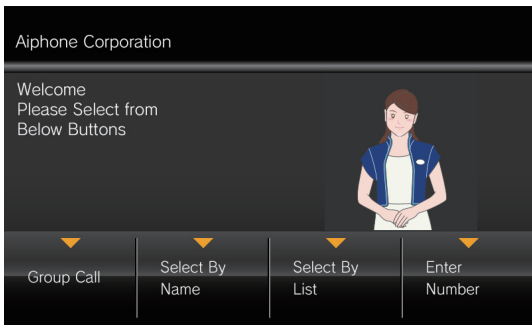
Images
 Company Image Browse... Upload Delete
 Greeting Image Browse... Upload Delete
 Receptionist Image Browse... Upload Delete

Button Function
 Button 1 Hide
 Button 2 Hide
 Button 3 Hide
 Button 4 Hide
 Button Name for Group Call 1-24 alphanumeric characters
 Button Name for Select By Name 1-24 alphanumeric characters
 Button Name for Select By List 1-24 alphanumeric characters
 Button Name for Enter Number 1-24 alphanumeric characters

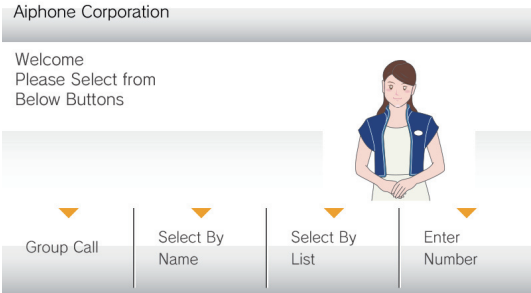
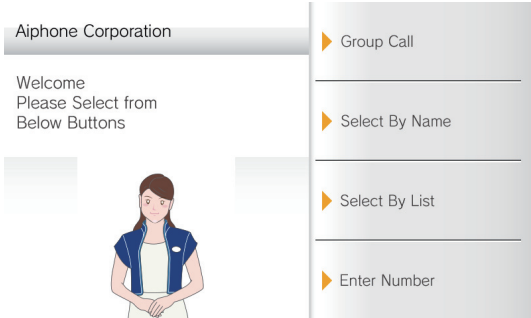
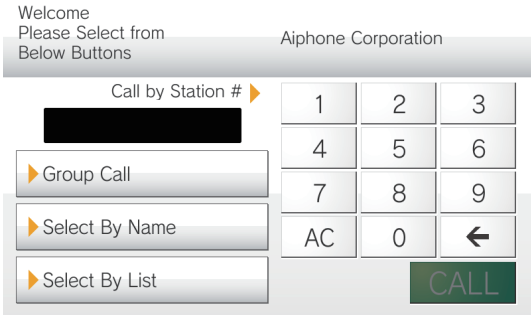
Group Call Destination 01-99

Reject Incoming Call ☐ Enable ☒ Disable

7.11.3.1 Color Scheme

Description	Set the color tone of the screen.
Settings	Example where "Screen Layout (→page 157)" is set to "Layout 1" • Light: A screenshot of a station interface in light mode. At the top, it says 'Aiphone Corporation'. Below that, 'Welcome' and 'Please Select from Below Buttons'. In the center is an illustration of a female staff member. At the bottom are four buttons: 'Group Call', 'Select By Name', 'Select By List', and 'Enter Number'. Each button has a small downward arrow icon above it. • Dark: A screenshot of the same station interface in dark mode. The background is black, and the text and buttons are white. The layout and content are identical to the light mode version.
Default values	Light

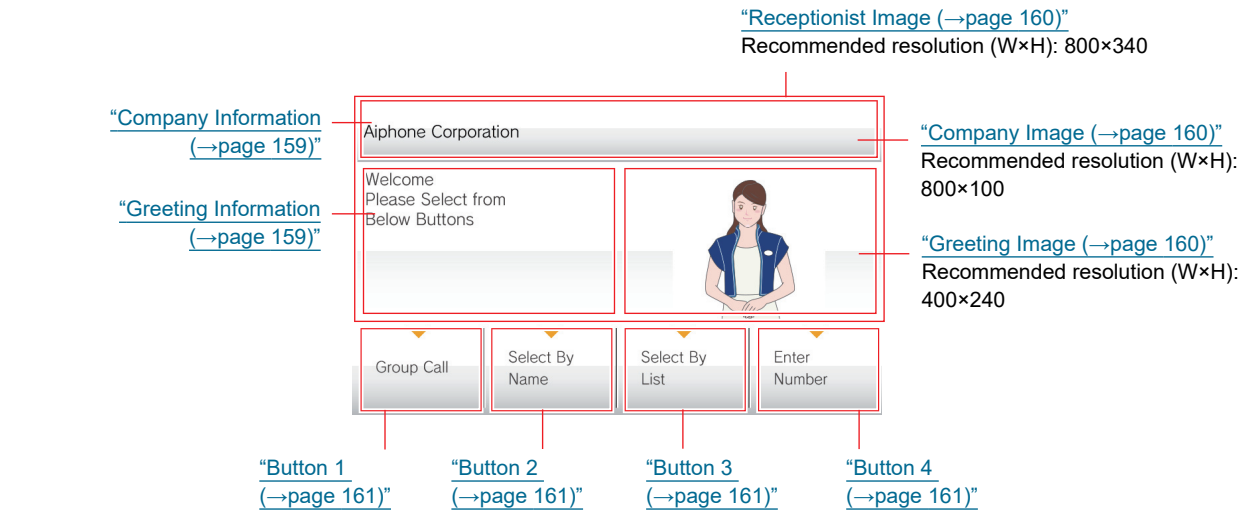
7.11.3.2 Screen Layout

Description	Set the layout of the top screen.
Settings	Example where "Color Scheme (→page 156)" is set to "Light" • Layout 1:  • Layout 2:  • Layout 3: 
Default values	Layout 1

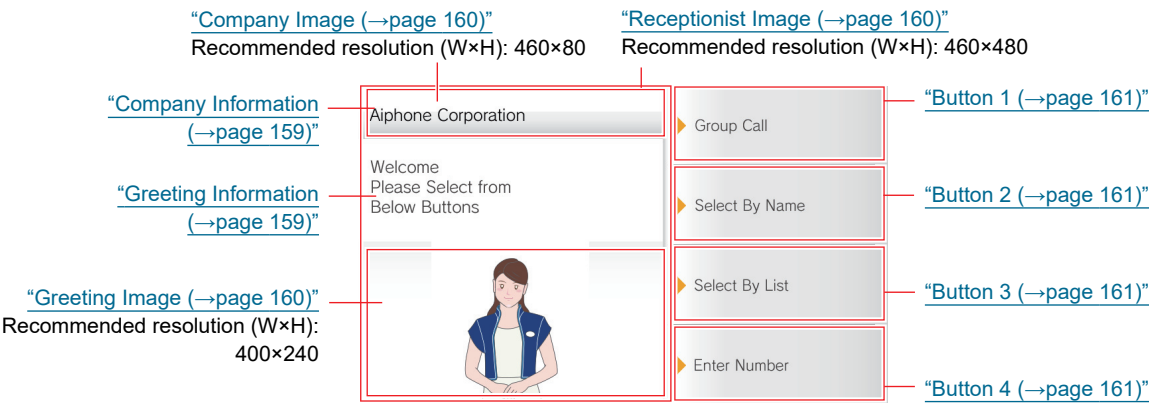
Customizing each screen layout

Each screen layout's characters, images, and button displays can be customized.
The following spaces are customized by configuring ["Company Information \(→page 159\)"](#), ["Greeting Information \(→page 159\)"](#), ["Images \(→page 160\)"](#), and ["Button Function \(→page 161\)"](#).

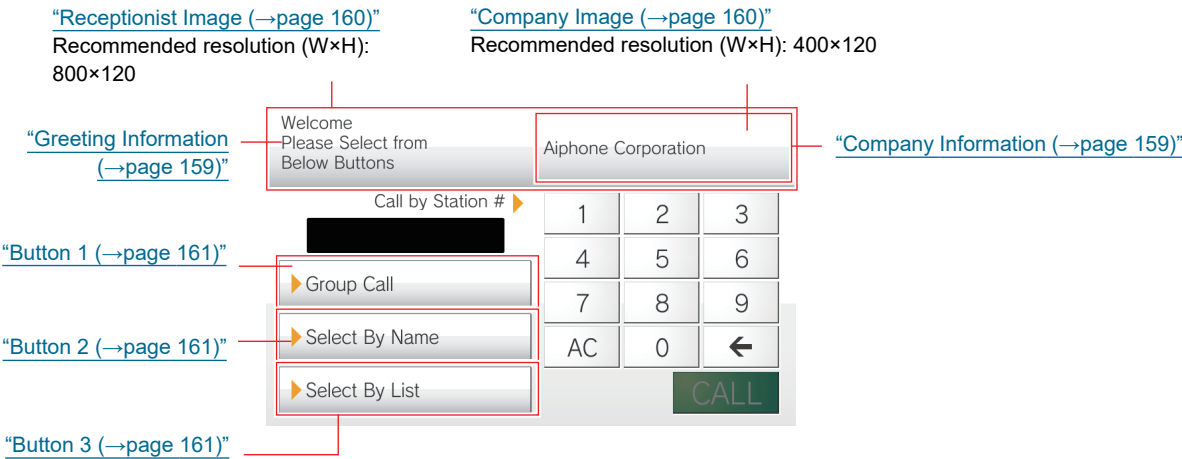
Layout 1



Layout 2



Layout 3



7.11.3.3 Company Information

■ Name

Description	Set the characters that are displayed in the company name space.
Settings	0-40 alphanumeric characters
Default values	-

■ Text Size◆

Description	Set the size of the characters that are displayed in the company name space.
Settings	12 - 24 pt (by 1 pt)
Default values	12pt

■ Bold

Description	Set the thickness of the characters that are displayed in the company name space.
Settings	• OFF • ON
Default values	OFF

■ Text Color

Description	Set the color of the character that is displayed in the company name space.
Settings	Option 1 • "Black" if "Color Scheme (→page 156)" is set to "Light." • "White" if set to "Dark." Option 2 • "Blue" if "Color Scheme (→page 156)" is set to "Light." • "Orange" if set to "Dark."
Default values	Option 1

7.11.3.4 Greeting Information

■ Greeting

Description	Set the characters that are displayed in the greeting space.
Settings	0-100 alphanumeric characters
Default values	-

■ Text Size◆

Description	Set the size of the characters that are displayed in the greeting space.
Settings	12 - 70 pt (1 pt)
Default values	12pt

■ Bold

Description	Set the thickness of the characters that are displayed in the greeting space.
Settings	• OFF • ON
Default values	OFF

■ Text Color

Description	Set the color of the characters that are displayed in the greeting space.
Settings	Option 1 • "Black" if "Color Scheme (→page 156)" is set to "Light." • "White" if set to "Dark." Option 2 • "Blue" if "Color Scheme (→page 156)" is set to "Light." • "Orange" if set to "Dark."
Default values	Option 1

7.11.3.5 Images

Upload the image file to show on the reception screen. Upload an image file that suits the layout configured in "[Screen Layout \(→page 157\)](#)". Refer to "[Customizing each screen layout \(→page 158\)](#)" for recommended image file resolutions for each screen layout.

■ Company Image

Description	Register the image file to display in image picture space 1. Supported file format • File name: Within 20 characters (excluding extension) • File format: png • Resolution - Width: 400 - 800 pixels - Height: 80 - 480 pixels
Settings	• Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	-

■ Greeting Image

Description	Register the image file to display in image picture space 2. Supported file format • File name: Within 20 characters (excluding extension) • Format: png • Resolution - Width: 400 - 800 pixels - Height: 80 - 480 pixels
Settings	• Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	-

■ Receptionist Image

Description	Register an image to be displayed in the variable space. Supported file format • File name: Within 20 characters (excluding extension) • Format: png • Resolution - Width: 400 - 800 pixels - Height: 80 - 480 pixels
Settings	• Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	-

7.11.3.6 Button Function

Configure the buttons displayed on the reception screen and their functions. Refer to [“Customizing each screen layout \(→page 158\)”](#) while configuring.

■ Button 1

Description	Set the Button 1 function.
Settings	• Group Call: Calls the group set in “Group Call Destination (→page 162)”. • Select By Name: Select the call recipient from the station name and group name. • Select By List: Select the call recipient from the group list. • Enter Number: Select the call recipient from the station number. • Hide: Do not display the button.
Default values	Hide

■ Button 2

Description	Set the Button 2 function.
Settings	• Group Call: Calls the group set in “Group Call Destination (→page 162)”. • Select By Name: Select the call recipient from the station name and group name. • Select By List: Select the call recipient from the group list. • Enter Number: Select the call recipient from the station number. • Hide: Do not display the button.
Default values	Hide

■ Button 3

Description	Set the Button 3 function.
Settings	• Group Call: Calls the group set in “Group Call Destination (→page 162)”. • Select By Name: Select the call recipient from the station name and group name. • Select By List: Select the call recipient from the group list. • Enter Number: Select the call recipient from the station number. • Hide: Do not display the button.
Default values	Hide

■ Button 4

Description	Set the Button 4 function.
Settings	• Group Call: Calls the group set in “Group Call Destination (→page 162)”. • Select By Name: Select the call recipient from the station name and group name. • Select By List: Select the call recipient from the group list. • Enter Number: Select the call recipient from the station number. • Hide: Do not display the button.
Default values	Hide

■ Button Name for Group Call

Description	Configure the names of the buttons, when "Group Call" is selected for "Button 1" through "Button 4." If "Group Call" is set to multiple buttons, they will all share the same name.
Settings	1 - 24 alphanumeric characters
Default values	-

■ Button Name for Select By Name

Description	Configure the names of the buttons, when "Select By Name" is selected for "Button 1" through "Button 4." If "Select By Name" is set to multiple buttons, they will all share the same name.
Settings	1 - 24 alphanumeric characters
Default values	-

■ Button Name for Select By List

Description	Configure the names of the buttons, when "Select By List" is selected for "Button 1" through "Button 4." If "Select By List" is set to multiple buttons, they will all share the same name.
Settings	1 - 24 alphanumeric characters
Default values	-

■ Button Name for Enter Number

Description	Configure the names of the buttons, when "Enter Number" is selected for "Button 1" through "Button 4." If "Enter Number" is set to multiple buttons, they will all share the same name.
Settings	1 - 24 alphanumeric characters
Default values	-

7.11.3.7 Group Call Destination

Description	Configure the call destination group number when a button is pressed, when "Group Call" is selected for "Button 1" through "Button 4." If "Group Call" is set to multiple buttons, they will all share the same call destination group.
Settings	01 - 99
Default values	-

7.11.3.8 Reject Incoming Call

Description	Configure to not accept incoming calls when in receptionist mode.
Settings	• Enable • Disable
Default values	Disable

8. Transfer Settings

8.1 Absent Transfer

An incoming call can be automatically transferred if it is received while Absent Transfer is set.

! Important

- When an incoming call is received from a VoIP Phone, the call will be received without transferring even when transfer is set. To transfer the call, configure transferring on the IP-PBX.

● Absent Transfer

Absent Transfer ☐ Enable ☒ Disable

Transfer Destination List

#	Station Number
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Re-Transfer Destination

3-32 digits

3-32 digits

■ Absent Transfer

Description	Configure whether to set Absent Transfer. This cannot be set to "Enable" if " Transfer Destination List (→page 163) " is not set. The TRANSFER button shown on this device's screen can also be used to change the setting.
Settings	- Disable: Do not set Absent Transfer. - Enable: Set Absent Transfer.
Default values	Disable

■ Transfer Destination List

Description	Configure the station number of the transfer destination station during Absent Transfer. Up to 10 transfer destination stations can be set. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, calls will only be transferred to the station set as number 1 in the series.
Settings	3-32 digits
Default values	-

! Important

- Do not configure multiple VoIP Phone as transfer destinations. If multiple VoIP Phones are configured, calls will be transferred to only one VoIP Phone.

■ Re-Transfer Destination

Description	Configure the station number of the transfer destination station when Absent Transfer is performed for a transferred call. Only a single station can be set as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, the call will not be re-transferred, but will be received by this device.
Settings	3-32 digits
Default values	-

8.2 Delay Transfer

An incoming call can be automatically transferred if it is received during Delay Transfer and not answered over a certain period of time (delay time).

! Important

- When an incoming call is received from a VoIP Phone, the call will be received without transferring even when transfer is set. To transfer the call, configure transferring on the IP-PBX.

• Delay Transfer

Delay Transfer ☐ Enable ☒ Disable

Delay Time [sec] ♦ 30 1-300 sec

Transfer Destination List

#	Station Number
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Re-Transfer Destination

3-32 digits

■ Delay Transfer

Description	Configure whether to enable Delay Transfer. This cannot be set to "Enable" if "Transfer Destination List (→page 165)" is not configured.
Settings	- Disable: Delay Transfer is disabled. - Enable: Delay Transfer is enabled.
Default values	Disable

■ Delay Time [sec] ♦

Description	Configure the time until Delay Transfer is performed.
Settings	1 - 300 sec (in 1 sec unit)
Default values	30 sec

■ Transfer Destination List

Description	Configure the station number of the transfer destination station during Delay Transfer. Up to 10 transfer destination stations can be set. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, calls will only be transferred to the station set as number 1 in the series.
Settings	3-32 digits
Default values	-

! Important

- Do not configure multiple VoIP Phones as transfer destinations. If multiple VoIP Phones are configured, calls will be transferred to only one VoIP Phone.

■ Re-Transfer Destination

Description	Configure the station number of the transfer destination station when delay transfer is performed for a transferred call. Only a single station can be set as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, the call will not be re-transferred, but will be received by this device.
Settings	3-32 digits
Default values	-

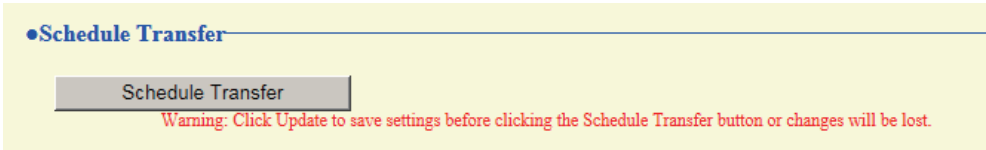
8.3 Schedule Transfer

An incoming call can be automatically transferred to another station when the call comes in during the time period set up in the weekly schedule or daily schedule.

 Important

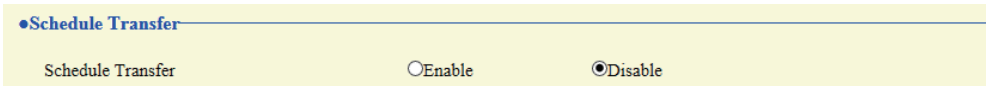
- When an incoming call is received from a VoIP Phone, the call will be received without transferring even when transfer is set. To transfer the call, configure transferring on the IP-PBX.

Click **[Schedule Transfer]**.



Or, click "Schedule Transfer" in the Setting menu to switch to the Scheduled Transfer window.

8.3.1 Schedule Transfer



■ Schedule Transfer

Description	Configure whether to enable Schedule Transfer. This cannot be set to "Enable" if "Weekly Schedule (→page 168)" or "Daily Schedule (→page 170)" is not configured.
Settings	• Disable: Schedule Transfer is disabled. • Enable: Schedule Transfer is enabled.
Default values	Disable

8.3.2 Weekly Schedule

Configure the schedule transfer destination and the time for each day of the week from Sunday through Saturday. 12 schedules can be set for each day.

Weekly Schedule

Up to 12 schedules can be set per day.
Transfer destination may set multiple stations for each schedule. Use "," between station number to list stations.

Sun

#	Transfer Destination	Re-Transfer Destination	Start Time		End Time	
			Hour	Minute	Hour	Minute
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

How to configure the Weekly Schedule

1. Configure the "Periodic Log Transmit Interval," "Re-Transfer Destination," "Start Time," and "End Time" for each day of the week.
2. When done, click **[Update]**.

■ Transfer Destination

Description	Configure the station number of the transfer destination station. Up to 10 transfer destination stations can be set. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, calls will only be transferred to the first station that was entered.
Settings	Per station: 3-32 digits To configure multiple stations, enter them separated with a comma (.). Example: 101,102,103,...
Default values	—

! Important

- Do not configure multiple VoIP Phones as transfer destinations. If multiple VoIP Phones are configured, calls will be transferred to only one VoIP Phone.

■ Re-Transfer Destination

Description	Configure the station number of the transfer destination station when transfer is performed for a transferred call. Only a single station can be set as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, the call will not be re-transferred, but will be received by this device.
Settings	3-32 digits
Default values	—

■ Start Time

Description	Configure the time to begin Schedule Transfer.
Settings	00:00 - 23:59
Default values	—

■ End Time

Description	Configure the time to end Schedule Transfer. If a time earlier than “Start Time (→page 168)” is set, the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	—

How to delete the Weekly Schedule

1. Return settings to their default values, and then click **[Update]**.

8.3.3 Daily Schedule

Configure the transfer destination and time for schedule transfer, in units of one day. A schedule one year from the set day can be configured. 12 schedules can be set for each day.

Daily Schedule

Transfer destination may set multiple stations for each schedule. Use "," between station number to list stations.
If the display month is changed by "<<" or ">>", unsaved settings will be lost. Click Update to save settings.

<< January, 2018 >>

Calendar

Monday, January 1, 2018

0/12 Registered Schedules

Transfer Destination	Re-Transfer Destination	Start Time	End Time
		Hour Minute	Hour Minute

Monday, January 1 Schedule Transfer List (Daily, Weekly)

#	Type	Transfer Destination	Re-Transfer Destination	Start Time	End Time	Delete
1						
2						
3						
4						

Set schedule list

How to configure Daily Schedule

1. Select the day for which to set a schedule from "Calendar."
2. Configure "Periodic Log Transmit Interval," "Re-Transfer Destination," "Start Time," and "End Time," and then click **[Add]**.
3. When done, click **[Update]**.

Transfer Destination

Description	Configure the station number of the transfer destination station. Up to 10 transfer destination stations can be set. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, calls will only be transferred to the first station that was entered.
Settings	Per station: 3-32 digits To configure multiple stations, enter them separated with a comma (.). Example: 101,102,103,...
Default values	—

! Important

- Do not configure multiple VoIP Phones as transfer destinations. If multiple VoIP Phones are configured, calls will be transferred to only one VoIP Phone.

Re-Transfer Destination

Description	Configure the station number of the transfer destination station when transfer is performed for a transferred call. Only a single station can be set as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, the call will not be re-transferred, but will be received by this device.
Settings	3-32 digits
Default values	—

■ Start Time

Description	Configure the time to begin schedule transfer.
Settings	00:00 - 23:59
Default values	—

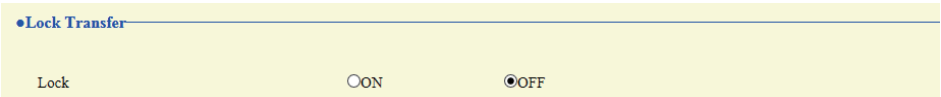
■ End Time

Description	Configure the time to stop schedule transfer. If this is set earlier than “Start Time (→page 171)” , the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

How to delete Daily Schedule

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the list.
 - If a Weekly Schedule is configured for the selected day of the week, it will also be displayed.
3. Click **[Delete]** for the schedule to delete, and then click **[Update]**.
 - Refer to [“How to delete the Weekly Schedule \(→page 169\)”](#) for information on deleting weekly schedules.

8.4 Lock Transfer



Lock

Description	Configure whether users can configure transfer-related settings on this device's screen or via Web configuration.
Settings	• OFF: Can be set with user privileges. • ON: Cannot be set with user privileges.
Default values	OFF

9. Station Settings

9.1 Speed Dial

Configure settings related to the Speed Dial buttons.

Configure the function to assign to each Speed Dial button. Up to eight Speed Dial buttons can be configured.

•Speed Dials / Favorites

Speed Dial # Speed Dial 1

•Speed Dial Name 1-24 alphanumeric characters

•Function

☒ No Function

☐ Individual Call

Station Number 3-32 digits

Priority

☐ Group Call

Number 01-99

Priority

☐ Group Page

Number 01-99

Priority

☐ All Page

Priority

☐ Group Message Page

Number 01-99

Message

None

Priority

Ringback Tone Count

☐ All Message Page

Message

None

Priority

Ringback Tone Count

☐ Monitor

Station Number 3-32 digits

☐ Network Camera Monitor

Network Camera

☐ Scan Monitor

☐ Option Relay Control

Station List

Enable	Station Number	Station Name
☐	0001	Master Station1
☐	0002	Master Station2
☐	0004	Video Door Station1
☐	0006	Audio Door Station1
☐	0007	Handset Sub Station1

Output Time

☒ 0 (Momentary)

☐ 200-2000 [msec]

☐ 3-600 [sec]

Output Time [msec/sec] 0 200-2000 msec / 200 msec step
3-600 sec / 1 sec step

TLS ☒ Enable ☐ Disable

Option Relay Control Key (*) 1-20 digits

(*) 1-20 digits
When TLS is Enabled, the Option Relay Control Key is mandatory.

•Lock ☐ ON ☒ OFF

9.1.1 Advanced Speed Dial Button Settings

How to configure the Speed Dial buttons

1. Select the quick call button to be configured in "Speed Dial #"
 • The settings of the selected quick call button are displayed.
2. Configure each item.
3. When done, click **[Update]**.

9.1.1.1 Speed Dial Name

Description	Configure the names of the Speed Dial buttons.
Settings	1 - 24 alphanumeric characters The entire name may not be shown on the screen of this device, depending on the number of characters.
Default values	-

9.1.1.2 Function

Description	Configure the Speed Dial button functions. Refer to "How to configure Individual Call (→page 175)" onward.
Settings	• No Function • Individual Call: Make an individual call. • Group Call: Make a group call. • Group Page: Send a group page. • All Page: Send an all page. • Group Message Page: Send a group message page. • All Message Page: Send an all page. • Monitor: Perform monitoring. • Network Camera Monitor: Perform network camera monitoring. • Scan Monitor: Perform scan monitoring. • Option Relay Control: Control the relay output of another station. Relay output will not be controlled for IX-MV, IX-DA, or IX-BA.
Default values	No Function

How to configure Individual Call

Configure this if "Individual Call" is set in ["Function \(→page 174\)"](#).

■ Station Number

Description	Configure the call destination station (station number).
Settings	3-32 digits
Default values	-

■ Priority

Description	Configure the individual call priority.
Settings	• Normal • Priority • Urgent
Default values	-

How to configure Group Call

Configure this if "Group Call" is set in ["Function \(→page 174\)"](#).

■ Number

Description	Configure the call destination group (group number).
Settings	01 - 99
Default values	-

■ Priority

Description	Configure the group call priority.
Settings	• Normal • Priority • Urgent
Default values	-

How to configure Group Page

Configure this if "Group Page" is set in ["Function \(→page 174\)"](#).

■ Number

Description	Configure the paging destination group (group number).
Settings	01 - 99
Default values	-

■ Priority

Description	Configure the paging priority.
Settings	• Normal • Urgent
Default values	-

How to configure All Page

Configure this if "All Page" is set in ["Function \(→page 174\)"](#).

■ Priority

Description	Configure the paging priority.
Settings	• Normal • Urgent
Default values	-

How to configure Group Message Page

Configure this if "Group Message Page" is set in ["Function \(→page 174\)"](#).

■ Number

Description	Configure the paging destination group (group number).
Settings	01 - 99
Default values	-

■ Message

Description	Select the message (audio file) to send during message paging.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Priority

Description	Configure the paging priority.
Settings	• Normal • Urgent
Default values	-

■ Play Count [time(s)]

Description	Configure the number of times to play the message configured in "Message (→page 176)" .
Settings	1 - 20 times
Default values	-

How to configure All Message Page

Configure this if "All Message Page" is set in ["Function \(→page 174\)"](#).

■ Message

Description	Select the message (audio file) to send during message paging.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Priority

Description	Configure the paging priority.
Settings	• Normal • Urgent
Default values	-

■ Play Count [time(s)]

Description	Set the tone count for the message set in "Message."
Settings	1 - 20 times
Default values	-

How to configure Monitor

Configure this if "Monitor" is set in ["Function \(→page 174\)"](#).

■ Station Number

Description	Configure the station to monitor (station number). This cannot be configured for IX-MV7-*, IX-MV, IXW-MA, or VoIP Phones.
Settings	3-32 digits
Default values	-

How to configure Network Camera Monitor

Configure this if "Network Camera Monitor" is set in ["Function \(→page 174\)"](#).

■ Network Camera

Description	Configure the monitoring network camera.
Settings	Select from the network cameras registered in "Network Camera List (→page 91)" .
Default values	-

How to configure Option Relay Control

Configure this if "Option Relay Control" is set in ["Function \(→page 174\)"](#).

■ Station List

Description	Configure a station to control relay output. This cannot be configured for IX-MV, IX-DA(-*), or IX-BA. Multiple (unlimited) stations can be configured.
Settings	Check "Enable" for the station for which to perform contact output (multiple selections allowed).
Default values	-



Note

- When controlling relay output for multiple stations, processing may take some time and control may be delayed.

■ Output Time◆

Description	Configure the output time for relay output, for the station to control.
Settings	• 0 (Momentary): Pressing the Speed Dial button will cause relay output to continue. Pressing the Speed Dial button again stops relay output. • 200 - 2000 [msec]: Select this when configuring a value from 200 to 2000 msec (by 200 msec). Enter the time in "Output Time [msec / sec]◆." • 3 - 600 [sec]: Select this when configuring a value from 3 to 600 sec (by 1 sec). Enter the time in "Output Time [msec / sec]◆."
Default values	0 (Momentary)

■ TLS

Description	Configure whether to enable encryption for optional relay communication. If this is set to "Enable," also configure "Option Relay Control Key."
Settings	• Enable • Disable
Default values	Disable



Important

- If "TLS" is set to "Enable," control may take some time if there are multiple stations to control.

■ Option Relay Control Key

Description	Configure the encryption key for optional relay communication when "TLS" is set to "Enable." Relay output can be controlled if this matches the "Option Relay Control Authentication Key" of the station to perform relay output.
Settings	1 - 20 digits
Default values	-



Note

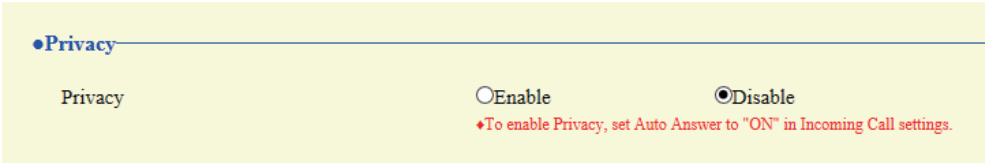
- The "Option Relay Control Key" is displayed as "●●●●●" in the Settings window.

9.1.1.3 Lock

Description	Configure whether users can configure Speed Dial button-related settings on this device's screen or via Web configuration.
Settings	• ON • OFF
Default values	OFF

9.2 Privacy

Configure the function that prevents the other station from hearing/viewing audio or camera images, when [“Auto Answer \(→page 101\)”](#) is set to "ON."



■ Privacy

Description	Configure whether to use the privacy function. The setting can also be changed using the button on this device's screen.
Settings	• Enable • Disable
Default values	Disable

9.3 Volume / Tone

•Volume / Tone

Volume

Handset Transmit	10
Handset Receive	6
Hands-free Transmit	10
Hands-free Receive	6
Headset Jack Transmit	10
Headset Jack Receive	6
VoIP Phone Volume Adjustment	No Adjustment
Ringtone	6
Button Feedback	☒ Enable ☐ Disable

Tone

Communication Timeout Notification	Error
Communication End Pretone	Communication End Pretone
Call Queue Notification	Call Queue Notification
Paging Pretone	Pre Tone 2
Auto Answer Tone	Pre Tone 1
On Hold	On Hold
Key Received	None
Headset Specification	☒ Mic Device ☐ Headset Device
Audio Output (for Master)	External speaker output for Ringtone, Built-in Speaker for Communication

Ringtone, Paging Pretone, and Paging from built-in speaker

9.3.1 Volume

■ Handset Transmit

Description	Set the transmission volume during a call through the handset or while paging.
Settings	1 - 10
Default values	10

■ Handset Receive

Description	Configure the receive volume of the handset during calls or monitoring. The calling tone volume will be changed as well.
Settings	1 - 10
Default values	6

■ Hands-free Transmit

Description	Configure the main unit microphone transmit volume during hands-free calls or paging.
Settings	1 - 10
Default values	10

■ Hands-free Receive

Description	Configure the free receive volume from the built-in speaker during hands-free calls, monitoring, or paging. The calling tone volume will be changed as well.
Settings	1 - 10
Default values	6

■ Headset Jack Transmit

Description	Set the transmission volume of the microphone connected to the pin jack.
Settings	1 - 10
Default values	10

■ Headset Jack Receive

Description	Configure the receive volume for the speakers connected to the pin jack.
Settings	1 - 10
Default values	6

■ VoIP Phone Volume Adjustment

Description	Adjust the transmit/receive volume balance between this device and an VoIP Phone.
Settings	• -12dB from VoIP, +12dB to VoIP • -6dB from VoIP, +6dB to VoIP • No Adjustment • +6dB from VoIP, -6dB to VoIP • +12dB from VoIP, -12dB to VoIP
Default values	No Adjustment

■ Ringtone

Description	Configure the ringtone and paging received pretone volume.
Settings	0: Mute, 1 - 10
Default values	6

■ Button Feedback

Description	Configure whether a tone is heard when pressing a button on this device's screen.
Settings	• Enable • Disable
Default values	Enable

9.3.2 Tone

■ Communication Timeout Notification

Description	Configure the tone heard when an outgoing call is made but the call times out without the destination station answering.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Error

■ Communication End Pretone

Description	Configure the tone heard approximately 10 seconds before a call, outgoing page, or monitoring session ends.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Communication End Pretone

■ Call Queue Notification

Description	Configure the tone heard when there is an incoming call from another station during communication.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Call Queue Notification

■ Paging Pretone

Description	Set the ring tone when paging is transmitted or an incoming call is received.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Pre Tone 2

! Important

- Configure a tone with a longer duration than the paging pretone of the station receiving the page. Configuring a shorter tone might prevent audio from playing on the other station when paging starts. Configure the same tone as that of other IX-MV7-* and IX-MV stations in the system.

■ Auto Answer Tone

Description	Configure the sound to play in the following situations. • Incoming tone when "Auto Answer (→page 101)" is set to "ON" and an individual call is received • Outgoing tone when an individual call is made to a station with Auto Answer set to "ON"
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	Pre Tone 1

■ On Hold

Description	Set the ring tone that plays when a call is put on hold.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	On Hold

■ Key Received

Description	Configure the tone to send to the other station when the door release key entered using the numerical keypad on the other station (station performing a door release operation) matches the authentication key of this station. The tone will be heard on the other station.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Headset Specification

Description	Set the device connected to the pin jack.
Settings	• Mic Device • Headset Device
Default values	Mic Device

■ Audio Output (for Master)

Description	Configure to play the Ringtone, Paging Pretone, and incoming page sound from an external speaker.
Settings	• External speaker output for Ringtone, Built-in Speaker for Communication • External speaker output for Paging Pretone, Built-in Speaker for Paging • External speaker output for Ringtone, Paging Pretone and Paging, Built-in Speaker for Communication
Default values	External speaker output for Ringtone, Built-in Speaker for Communication



Note

- The tone will play from the main unit speaker even if audio is heard from the external speaker.

9.4 Communication

•Communication

Talk Timeout [sec] ◆ sec Infinite or 30-600 sec / 1 sec step

Force Touch-to-Talk ☐ Enable ☒ Disable

■ Talk Timeout [sec]◆

Description	Configure the call duration when making an outgoing call from this station or answering a call from an incoming page. The call duration during an incoming call will be the call duration configured on the other station.
Settings	• Infinite: Do not end until end operation is performed. • 30-600 seconds: Configure between 30 and 600 sec (by 1 sec).
Default values	60 sec

! Important

- When on a call with an VoIP Phone, this will be the call duration configured on the VoIP Phone.

■ Force Touch-to-Talk

Description	Configure whether to enable push talking when a call is started.
Settings	• Enable • Disable
Default values	Disable

9.5 Monitor

! Important

- Monitoring cannot be performed for IX-MV7-*, IX-MV, and VoIP Phone.

●Monitor

Monitor Timeout [sec] ◆
Scan Monitor

10-600 sec ▼

60

sec

Infinite or 10-600 sec / 1 sec step

#	Station / Network Camera List
1	▼
2	▼
3	▼
4	▼
5	▼
6	▼
7	▼
8	▼
9	▼
10	▼
11	▼
12	▼
13	▼
14	▼
15	▼
16	▼
17	▼
18	▼
19	▼
20	▼
21	▼

Dwell Time

5 sec

▼

■ Monitor Timeout [sec]◆

Description	Configure the time until monitoring automatically stops, when a station or network camera is monitored individually. Scan monitoring will not end until an end operation is performed on the station.
Settings	- Infinite: Do not end until end operation occurs. 10-600 seconds: Configure between 10 and 600 sec (by 1 sec).
Default values	60sec

9.5.1 Scan Monitor

Configure settings to monitor by automatically switching between several stations or network cameras at set intervals.

■ Station / Network Camera List

Description	Configure the station and network camera to perform scan monitoring. Scan monitoring will be performed in order of series number. A combined total of 550 stations and network cameras can be configured. Multiple network cameras can also be set to a single station.
Settings	Select from stations and network cameras registered in "Address Book (→page 89)" . IX-MV7-*, IXW-MA, IX-MV, and VoIP Phone cannot be selected.
Default values	—

■ Dwell Time

Description	Set the switchover time for scan monitoring.
Settings	• 5 sec • 10 sec • 30 sec
Default values	5 sec

9.6 Master Station Display

•Master Station Display

Brightness	6	
Primary Video Source	☒ IX Station	☐ Network Camera
Aspect Ratio	☐ 4:3	☒ 16:9
Standby LED State	☒ ON	☐ OFF
Keypad	☒ ON	☐ OFF

■ Brightness

Description	Configure the brightness of the display.
Settings	1 - 10
Default values	6

■ Primary Video Source

Description	Set the larger video if video is displayed in split screens during call, etc.
Settings	• IX Station • Network Camera
Default values	IX Station

■ Aspect Ratio

Description	Configure the screen ratio for the image that is displayed larger, when displaying an image on a single screen or on two screens.
Settings	• 4:3 • 16:9
Default values	16:9

■ Standby LED State

Description	Configure whether to turn this device's status indicator ON or OFF during standby.
Settings	• ON • OFF
Default values	ON

■ Keypad

Description	Configure whether to display the numerical keypad used to release the electrical lock (using the numerical keypad) and replay location messages.
Settings	• ON • OFF
Default values	ON

9.7 Line Supervision

Configure settings related to line monitoring and malfunction monitoring. Line monitoring and malfunction monitoring can be performed for stations other than the VoIP Phone configured in [“Station List” \(→page 89\)](#).

•Line Supervision

Line Supervision Interval	OFF	Sun	Schedule available Weekly only.
Line Supervision Schedule	00 Hour	00 Minute	Schedule available Daily or Weekly only.
Device Check Interval	OFF	Sun	Schedule available Weekly only.
Device Check Schedule	00 Hour	00 Minute	Schedule available Daily or Weekly only.

■ Line Supervision Interval

Description	Configure the interval at which to automatically perform line monitoring.
Settings	• OFF • 15 sec. • 20 min. • 30 min. • 60 min. • Daily • Weekly: Select the day of the week from the drop-down list.
Default values	OFF

■ Line Supervision Schedule

Description	Set the time when automatic line monitoring starts. Set if "Daily" or "Weekly" is set in “Line Supervision Interval (→page 191)” .
Settings	From 00:00 to 23:59
Default values	00:00

■ Device Check Interval

Description	Configure the interval at which to automatically perform malfunction monitoring.
Settings	• OFF • 10 min. • 20 min. • 30 min. • 60 min. • Daily • Weekly: Select the day of the week from the drop-down list.
Default values	OFF

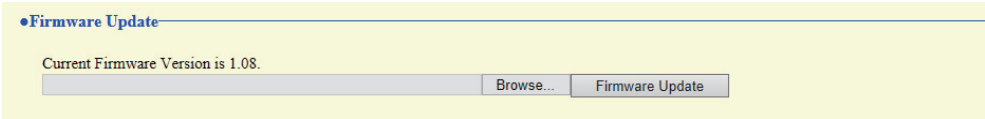
■ Device Check Schedule

Description	Set the time when automatic failure monitoring starts. Set if "Daily" or "Weekly" is set in “Device Check Interval (→page 191)” .
Settings	From 00:00 to 23:59
Default values	00:00

10. Maintenance

10.1 Firmware Update

After accessing our Web site at <https://www.aiphone.net/product/> and downloading the most recent firmware version for the station, update the firmware.



How to update the firmware

1. Click **[Browse]** and select the firmware file to download.
2. Click **[Firmware Update]**.

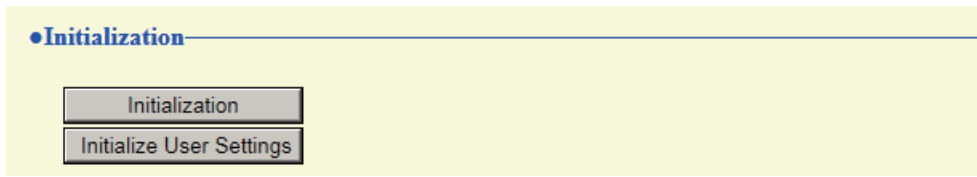
 **Important**

- If the firmware update is started while the station is operating (such as on a call), the operation will end and the firmware update will begin.
- If power is turned off while updating the firmware, the station may malfunction.
- The station will be inoperable while updating the firmware.
- When the firmware is updated, the station will automatically restart.

 **Note**

- If update fails, repeat the procedure.

10.2 Initialization



How to initialize

- 1.** Click **[Initialization]** or **[Initialize User Settings]**.
 - Initialization: All settings revert to their default values. The system log and outgoing/incoming call history is cleared.
 - Initialize User Settings: Only user settings are initialized.
- 2.** Click **[OK]**.
 - Click **[Cancel]** to cancel the initialization.

! Important

- When "**[Initialization]**" is selected and the settings are initialized, the device will restart. It may take around 10 minutes for the device to finish restarting. The station cannot be used until it has finished restarting.
- If the initialization process fails, a message ("Error: Station initialization failed.") will be displayed. Re-initialize if this happens.

10.3 Settings File Backup

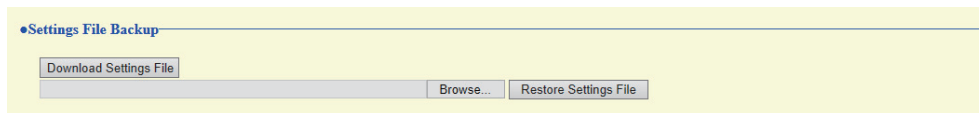
Back up the setting file so it can be used to restore the system.

How to back up the setting file

! Important

- When a setting is changed, back up the setting file. With the backup setting file, the settings of a replaced station can easily be restored.
- The following items are not backed up. Either save this setting data separately, or back it up using IX Support Tool.
 - Sound data registered in [“Custom Sound Registry \(→page 95\)”](#)
 - SIF data uploaded in [“SIF \(→page 132\)”](#)
 - Certificate data uploaded in [“SSL Certificate \(→page 150\)”](#)
 - Certificate and other data uploaded in [“IEEE 802.1X \(→page 151\)”](#)

1. Click **[Download Settings File]**.



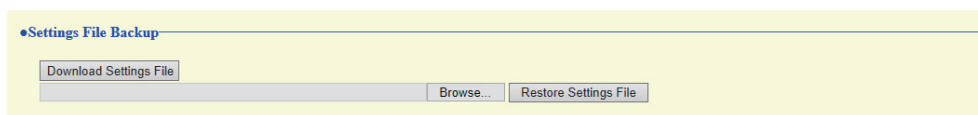
- #### 2. Specify the location to store the setting file.
- The setting file will be saved as "GetConfig." Change the file name as necessary and save it.

How to restore setting file

! Important

- When data (IP address updates) is restored, this station will restart. It may take around 10 minutes for it to finish restarting. The station cannot be used until it has finished restarting.
- Data for the following items and the station's display language cannot be restored using this procedure. Upload from each item.
 - Audio source data registered in [“Custom Sound Registry \(→page 95\)”](#)
 - SIF data uploaded in [“SIF \(→page 132\)”](#)
 - Certificate data uploaded in [“SSL Certificate \(→page 150\)”](#)
 - Certificate data and the like uploaded in [“IEEE 802.1X \(→page 151\)”](#)
- Refer to the separate "Operation Manual" when setting the station's display language.

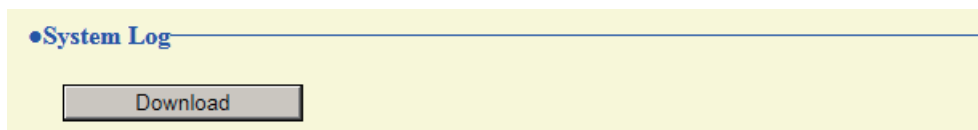
1. Click **[Browse]**.



2. Select the setting file to be restored, and click **[Open]**.
3. Click **[Restore Settings File]**.
4. Click **[OK]**.
 - Click **[Cancel]** to cancel the restore process.

10.4 System Log

Obtain the system log to view the operation of the station. The log is mainly used for after-sales servicing.



How to view the system log

1. Click **[Download]**.
2. Specify the storage location to save the system log.
 - The system log will be saved as "systemlog.txt." Change the file name as necessary and save it.

10.5 syslog

•syslog

IPv4 Address

1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)

IPv6 Address

::FF:0-FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF or hostname(1-64 alphanumeric characters)

■ IPv4 Address

Description	Not used.
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■ IPv6 Address

Description	Not used.
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