AIPHONE

IX Series

IP network-compatible intercom

Video Door Station
IX-EA, IX-DVM, IX-DV, IX-DVF , IX-DVF-P, IX-DVF-2RA, IX-DVF-RA, IX-DVF-L
Door Station
IX-SSA, IX-SSA-2RA, IX-SSA-RA

Web Setting Manual

Software version: 6.00 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 system settings file is required for post-installation maintenance and service. The setting file must be given to the customer.
- The illustrations used in this manual may differ from the actual product.
- The Web Settings are limited to the following when the Expanded System is set to "Enable."
  - Only the Maintenance Settings can be configured.
  - The web cannot be used with user account privileges.

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Startup and configuration

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Introduction

This manual describes how to set up the IX-EA, IX-DVM, IX-DV, IX-DVF(-*), and IX-SSA(-*) 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

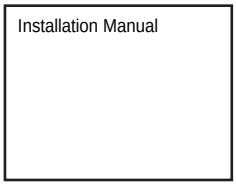
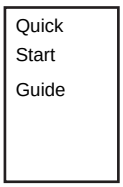
The following symbols identify important information concerning operational procedures.

Warning	This symbol means that operating the station incorrectly, or ignoring these precautions may cause severe injury or death.
Caution	This symbol means that operating the station incorrectly, or ignoring these precautions may cause severe injury or property damage.
Important	This symbol is intended to alert the user to important instruction. Please read and understand before proceeding.
Note	This symbol indicates tips and additional information for operation.

- Terms displayed on the station and PC screens are indicated as **[XXXX]**.
- Page reference are shown as "Title (→ page XX)", (→ page XX), or page XX.
- The illustrations and images used in this manual may differ from the actual items.

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.)
	Quick Start Guide (booklet included with the IX-MV7-*.) This Setting Manual explains how to easily configure the IX Support Tool. (For system administrators)
Manuals can be downloaded from our web site. Refer to these manuals as necessary. https://www.aiphone.net/support/software-documents/	**IX Support Tool Setting Manual (Electronic format (PDF file).)** Describes how to configure and maintain the system using IX Support Tool. (For system administrator)
	Quick Start Guide (electronic manual (PDF file).) This Setting Manual explains how to easily configure the IX Support Tool. (For system administrators)
	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 recommended.

(1) Configure using the "IX Support Tool" application
  – Install the application on a PC and use to create the configuration for all stations.
  – Search for IX systems on the network; assign and upload configuration data for the system.

(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 IX Support Tool, settings must be manually input and the setting data must be individually stored.

Important

- Once the system has been configured through a browser, the settings cannot be transferred to the IX Support Tool. Using the IX Support Tool is the recommended method to manage settings.
- If web browser configuration is used to change the "Identification" “Number♦♣ (→page 63)”, "ID and Password" “Administrator ID♦♣ (→page 64)” “Administrator Password♦♣ (→page 64)”, "IPv4 Address" “IP Address♦♣ (→page 71)”, and "IPv6 Address" “IP Address (→page 71)” and “Called Stations (for Door) (→page 92)” after configured using the IX Support Tool, it will not be applied to the IX Support Tool settings.

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 157)" 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 9)"
- "Change the settings (→page 10)"
- "Add a station (→page 11)"
- "Delete a station (→page 12)"
- "Replace a station (→page 13)"

For IPv4 Address with DHCP

- "Create new data (→page 14)"
- "Change the settings (→page 16)"
- "Add a station (→page 17)"
- "Delete a station (→page 18)"
- "Replace a station (→page 19)"

For Static IPv6 Address

- "Create new data (→page 20)"
- "Change the settings (→page 21)"
- "Add a station (→page 22)"
- "Delete a station (→page 23)"
- "Replace a station (→page 24)"

For stateless IPv6 Address

- "Create new data (→page 25)"
- "Change the settings (→page 27)"
- "Add a station (→page 28)"
- "Delete a station (→page 29)"
- "Replace a station (→page 30)"

For IPv6 Address with DHCP

- "Create new data (→page 31)"
- "Change the settings (→page 33)"
- "Add a station (→page 34)"
- "Delete a station (→page 35)"
- "Replace a station (→page 36)"

4.1 For Static IPv4 Address

Important

- Save the setting file after configuring the system. Refer to "Settings File Backup (→page 157)".
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

4.1.1 Create new data

Use this flowchart to create a new setting file, for example, when installing a new system.

1. Connect PC to the station to be configured.
The default IP addresses of the stations are identical, so connect and configure one at a time.
"Connecting to a PC (→page 46)"

↓

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 47)"

↓

3. Set "Language (→page 66)".
Click **[Update]** to update the settings.

↓

4. Configure the station.
"Configuring the Station (→page 62)"

↓

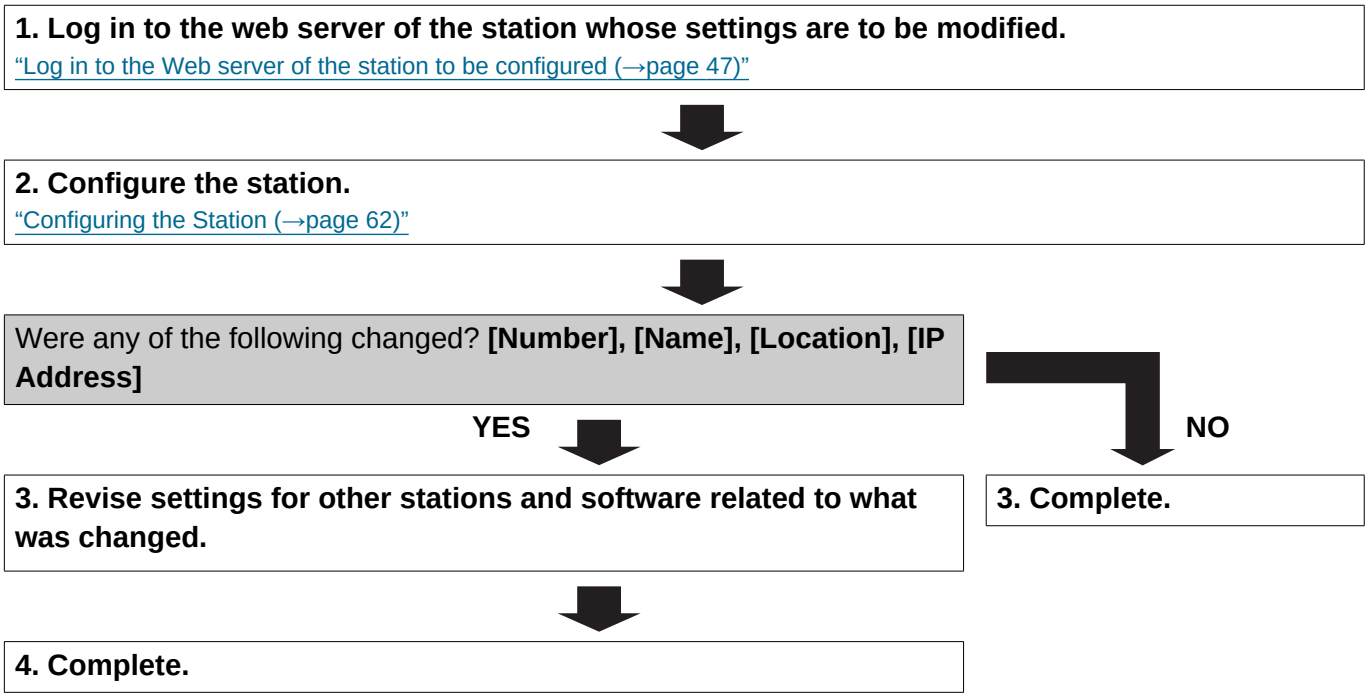
5. Configure other stations in the same manner.
Refer to each station's Web Setting Manual.

↓

6. Complete.

4.1.2 Change the settings

Use this flowchart to change the settings.



4.1.3 Add a station

Use this flowchart to add a station.

1. Connect PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 46)”

↓

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 47)”

↓

3. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

↓

4. Configure the station.
“Configuring the Station (→page 62)”

↓

5. Add settings data to existing stations if required.

↓

6. Complete.

4.1.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to delete the data of the station from all other stations and Support Tool. Not doing so may result in slower operation.

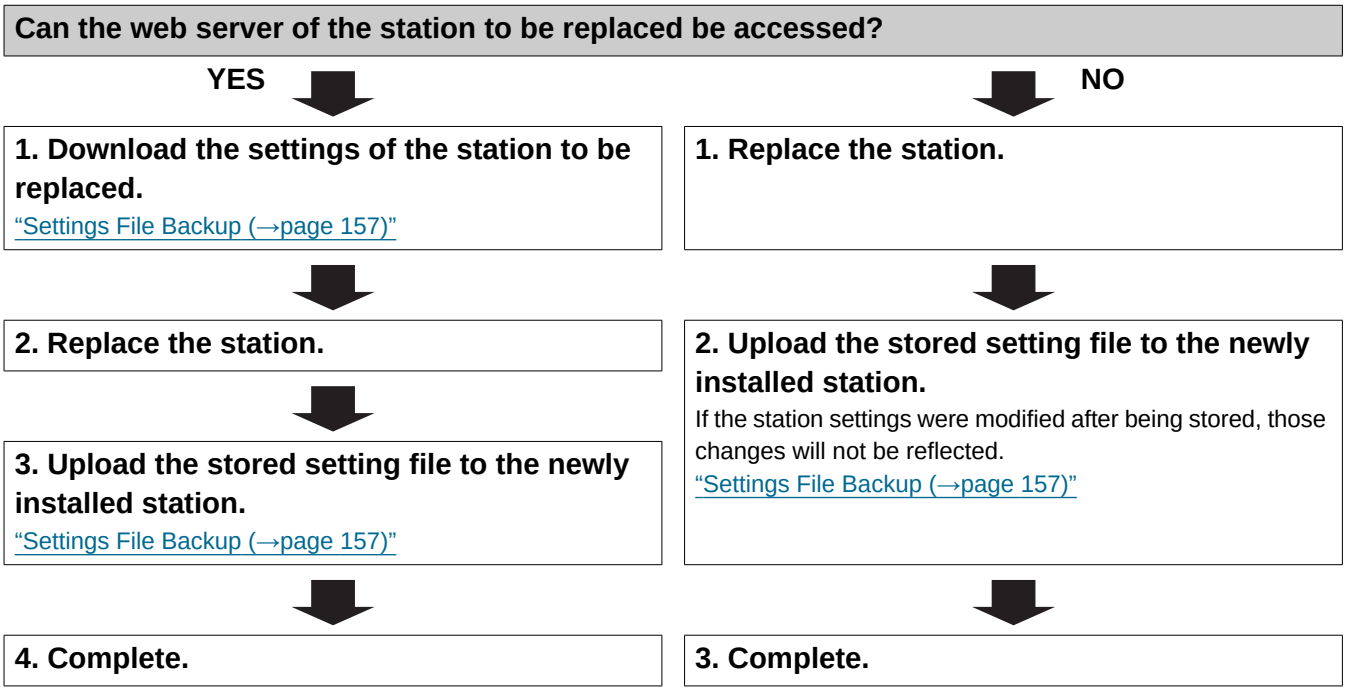
1. Delete the data of the station from all other stations and Support Tool.

↓

2. Complete.

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 157)".
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

4.2.1 Create new data

Use this flowchart to create a new setting file, for example, when installing a new system.

1. Install the DHCP server.

↓

2. Connect 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 46)"

↓

3. Log in to the web server of the station.
"Log in to the Web server of the station to be configured (→page 47)"

↓

4. Set "Static / DHCP" to "IPv4 DHCP."
"Static / DHCP (→page 70)"
The station restarts and the IP address that is configured with the DHCP server is assigned. If the IP address fails to be automatically configured, it will become "192.168.1.160." 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 47)"

↓

6. Set "Language (→page 66)".
Click **[Update]** to update the setting.

↓

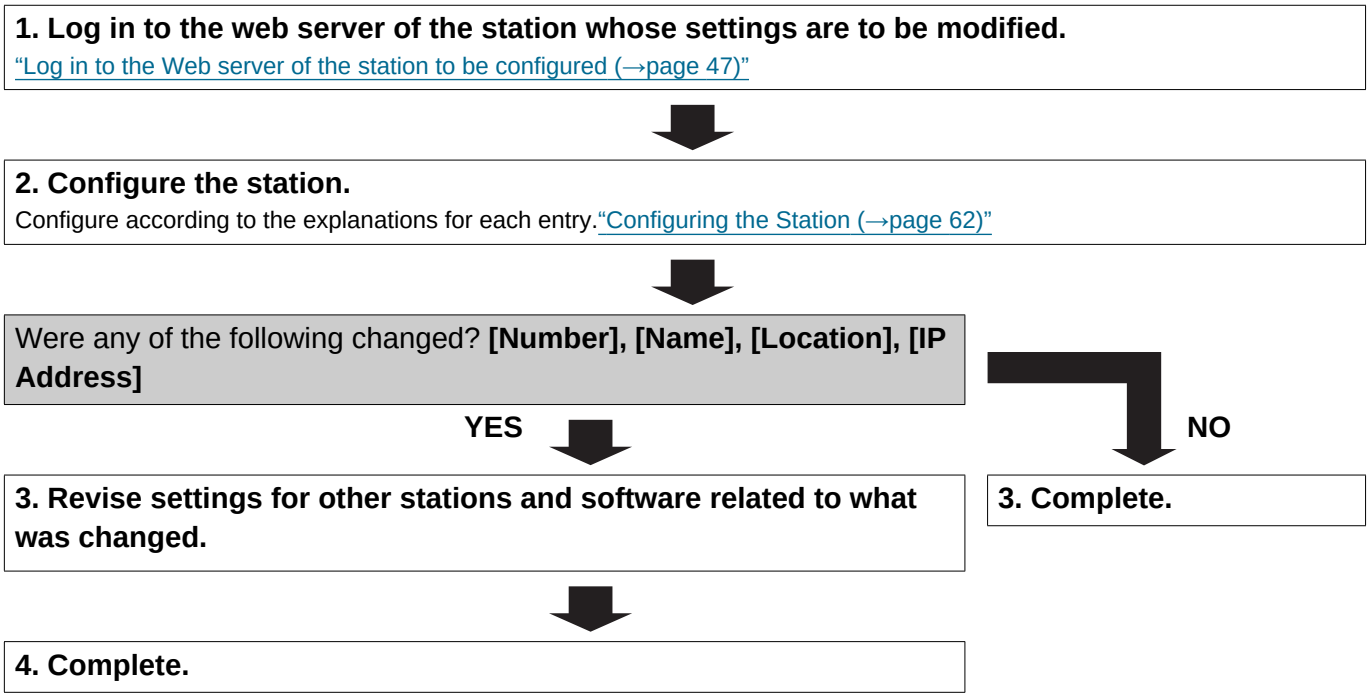
7. Configure the station.
“Configuring the Station (→page 62)”

8. Configure other stations in the same manner.
Refer to each station's Web Setting Manual.

9. Complete.

4.2.2 Change the settings

Use this flowchart to change the settings.



4.2.3 Add a station

Use this flowchart to add a station.

1. Configure the DHCP server to assign a static IP address.
For how to set up the DHCP server, refer to its manual.

↓

2. Connect PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 46)”

↓

3. Log in to the web server of the station.
“Log in to the Web server of the station to be configured (→page 47)”

↓

4. Set "Static / DHCP" to "IPv4 DHCP."
“Static / DHCP (→page 70)”
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 47)”

↓

6. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

↓

7. Configure the station.
“Configuring the Station (→page 62)”

↓

8. Add settings data to existing stations if required.

↓

9. Complete.

4.2.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to delete the data of the station from all other stations and Support Tool. Not doing so may result in slower operation.

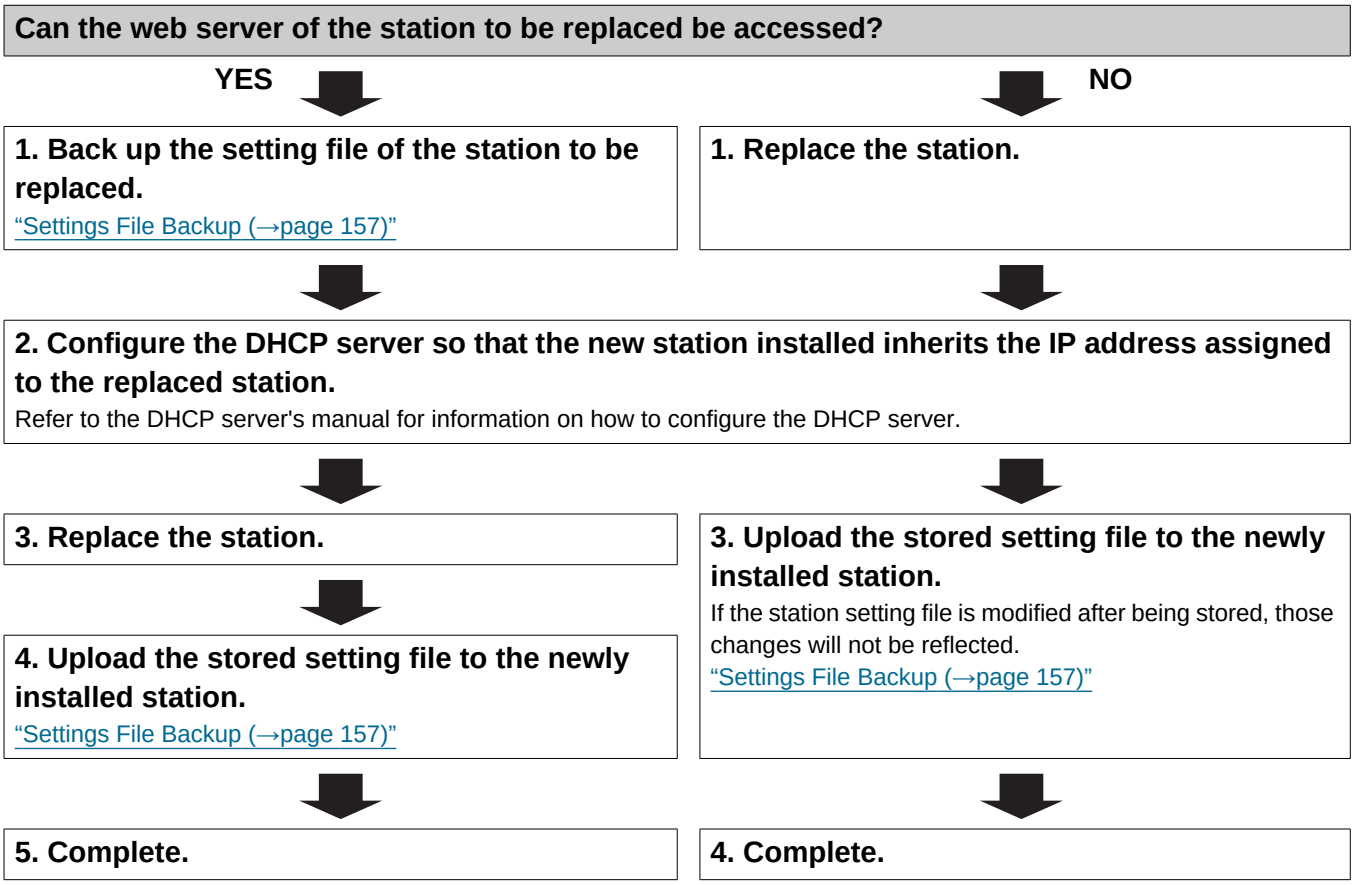
1. Delete the data of the station from all other stations and Support Tool.

↓

2. Complete.

4.2.5 Replace a station

Use this flowchart to replace a station.



4.3 For static IPv6 address

Important

- Save the settings after configuring the system. Refer to “Settings File Backup (→page 157)”.
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

4.3.1 Create new data

Use this flowchart to create a new setting file, for example, when installing a new system.

1. Connect 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 46)”

↓

2. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be configured.
“Log in to the Web server of the station to be configured (→page 47)”

↓

3. Set "Static / DHCP" to "Static IPv6" and configure "IPv6 Address."
“Static / DHCP (→page 70)”
The station will be restarted with the assigned IPv6 Address.

↓

4. Configure IPv6 addresses for other stations.

↓

5. Log in to the web server of each station with IPv6 address.
“Log in to the Web server of the station to be configured (→page 47)”

↓

6. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

↓

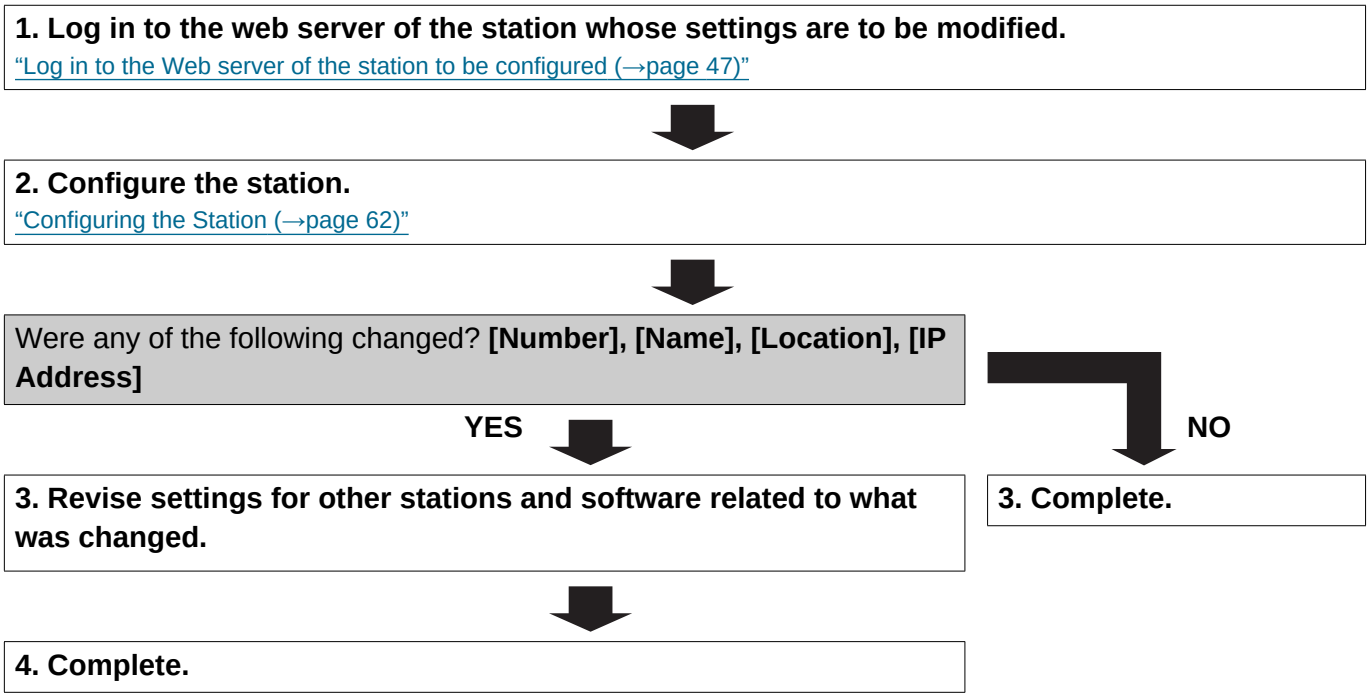
7. Configure the station.
“Configuring the Station (→page 62)”
Refer to "Web Setting Manual" for each station.

↓

8. Complete.

4.3.2 Change the settings

Use this flowchart to change the settings.



4.3.3 Add a station

Use this flowchart to add a station.

1. Connect PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 46)”

↓

2. With default IPv4 Address (192.168.1.160), 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 47)”

↓

3. Set "Static / DHCP" to "Static IPv6" and configure "IPv6 Address."
“Static / DHCP (→page 70)”
The station will be restarted with the assigned IPv6 Address.

↓

4. Log in to the web server of the added station with IPv6 address.
“Log in to the Web server of the station to be configured (→page 47)”

↓

5. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

↓

6. Configure the station.
“Configuring the Station (→page 62)”

↓

7. Add settings data to existing stations if required.

↓

8. Complete.

4.3.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to delete the data of the station from all other stations and Support Tool. Not doing so may result in slower operation.

1. Delete the data of the station from all other stations and Support Tool.

2. Complete.

4.3.5 Replace a station

Use this flowchart to replace a station.

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

YES

1. Download the settings of the station to be replaced.
“Settings File Backup (→page 157)”

2. Replace the station.

3. Upload the stored setting file to the newly installed station.
“Settings File Backup (→page 157)”

4. Complete.

NO

1. Replace the station.

2. Upload the stored setting file to the newly installed station.
If the station setting file is modified after being stored, those changes will not be reflected.
“Settings File Backup (→page 157)”

3. Complete.

4.4 For Stateless IPv6 Address

Important

- Save the setting file after configuring the system. Refer to “Settings File Backup (→page 157)”.
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

4.4.1 Create new data

Use this flowchart to create a new setting file, for example, 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 (e.g., router) which can transmit RA (supports the stateless IPv6 setting).
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 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 46)”

↓

3. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be configured.
“Log in to the Web server of the station to be configured (→page 47)”

↓

4. Set "Static / DHCP" to "IPv6 Stateless."
“Static / DHCP (→page 70)”
The station restarts 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 47)”

8. Set “Language (→page 66)”.

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

9. Configure the station.

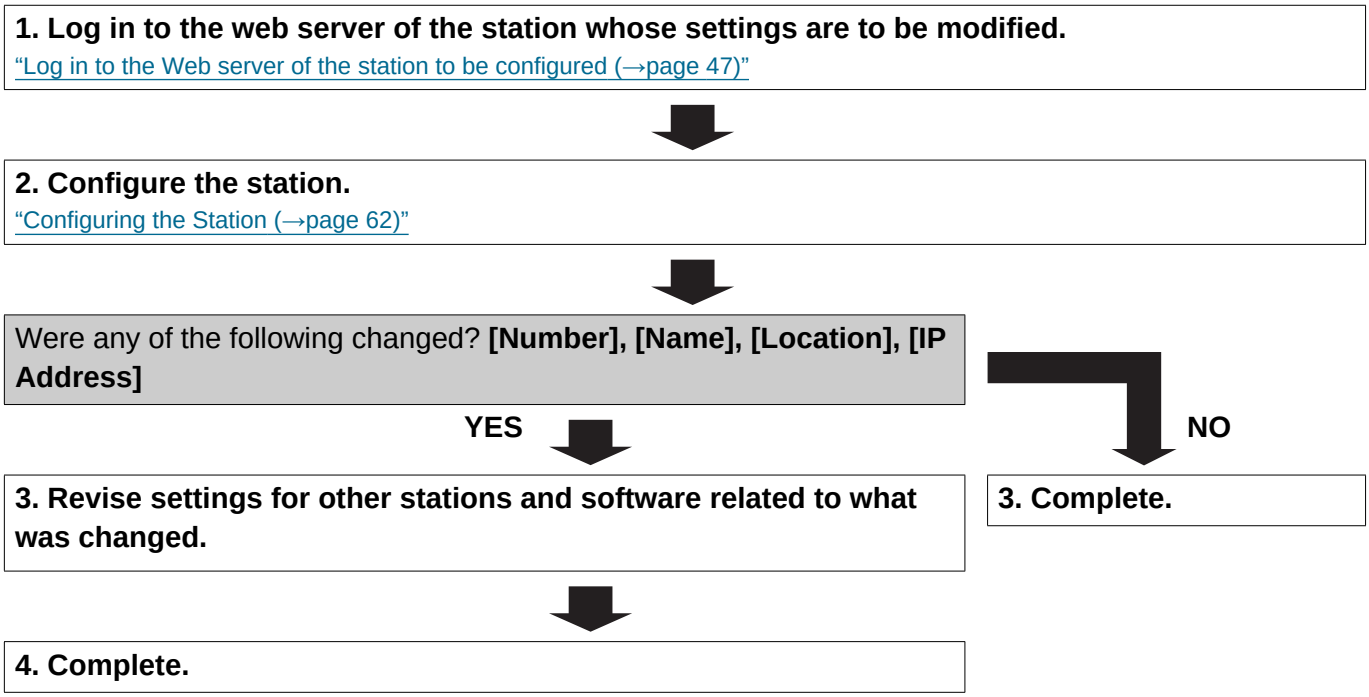
“Configuring the Station (→page 62)”

Refer to "Web Setting Manual" for each station.

10. Complete.

4.4.2 Change the settings

Use this flowchart to change the settings.



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 PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 46)”

↓

2. With default IPv4 Address (192.168.1.160), 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 47)”

↓

3. Set "Static / DHCP" to "IPv6 Stateless."
“Static / DHCP (→page 70)”
The station restarts 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 web server of the station with the IPv6 Address that have been identified.
“Log in to the Web server of the station to be configured (→page 47)”

↓

6. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

↓

7. Configure the station.
“Configuring the Station (→page 62)”

↓

8. Add settings data to existing stations if required.

↓

9. Complete.

4.4.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to delete the data of the station from all other stations and Support Tool. Not doing so may result in slower operation.

1. Delete the data of the station from all other stations and Support Tool.

↓

2. Complete.

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."

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

YES

1. Download the settings of the station to be replaced.
“Settings File Backup (→page 157)”

2. Replace the station.

3. Upload the stored setting file to the newly installed station.
“Settings File Backup (→page 157)”
The station is restarted and the IPv6 address is automatically configured.

4. Search using IX Support Tool for each new station's IPv6 Address.

5. Update the IPv6 address of the replaced station that was registered in other stations and software.

6. Complete.

NO

1. Replace the station.

2. Upload the stored setting file to the newly installed station.
If the station settings were modified after being stored, those changes will not be reflected.
“Settings File Backup (→page 157)”
The station is restarted and the IPv6 address is automatically configured.

3. Search using IX Support Tool for each new station's IPv6 Address.

4. Update the IPv6 address of the replaced station that was registered in other stations and software.

5. Complete.

4.5 For IPv6 Address with DHCP

Important

- Save the setting file after configuring the system. Refer to "Settings File Backup (→page 157)".
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

4.5.1 Create new data

Use this flowchart to create a new setting file, for example, when installing a new system.

1. Verify managed DHCP environment exists and that each station has been assigned a static IP address.
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 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 46)"

↓

3. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be configured.
"Log in to the Web server of the station to be configured (→page 47)"

↓

4. Set "Static / DHCP" to "IPv6 DHCPv6."
"Static / DHCP (→page 70)"
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 to the web server of the station with the assigned IPv6 Address.
"Log in to the Web server of the station to be configured (→page 47)"

↓

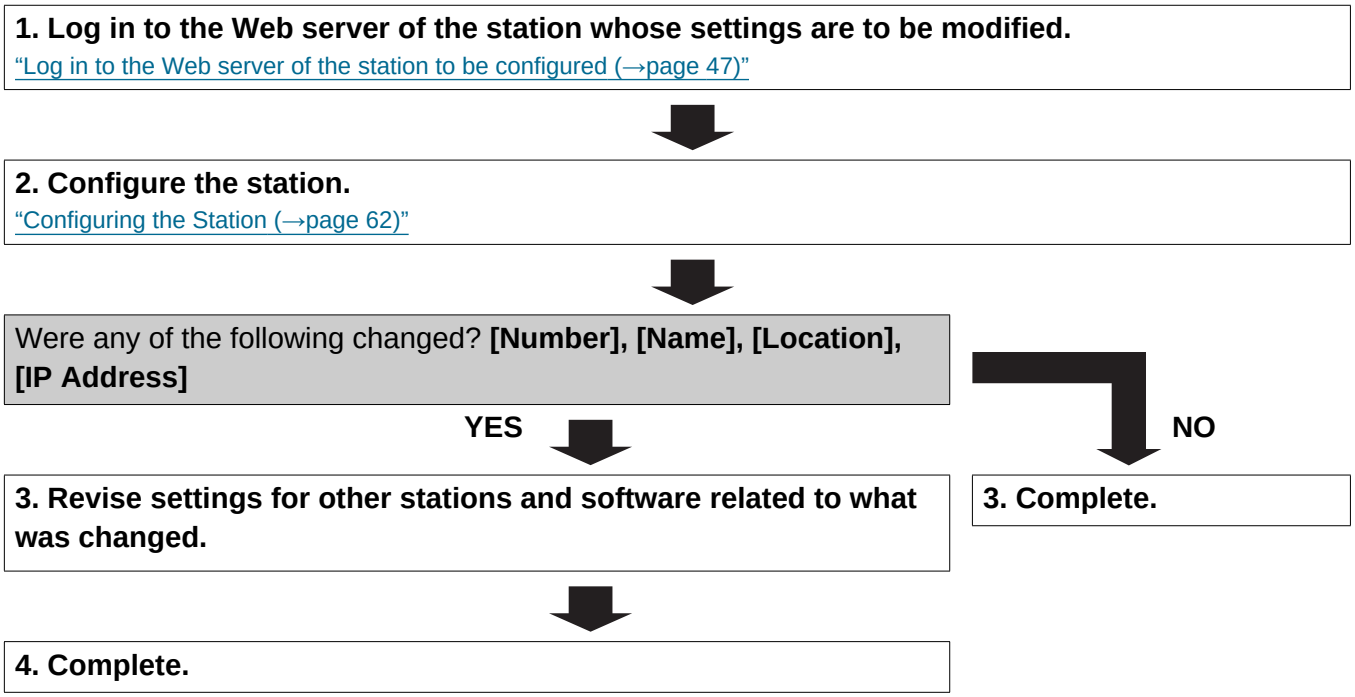
7. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

8. Configure the station.
“Configuring the Station (→page 62)”
Refer to "Web Setting Manual" for each station.

9. Complete.

4.5.2 Change the settings

Use this flowchart to change the settings.



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 PC to the station to be added.
Connect one at a time.
“Connecting to a PC (→page 46)”

↓

3. With the default IPv4 Address(192.168.1.160), 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 47)”

↓

4. Set "Static / DHCP" to "IPv6 DHCPv6."
“Static / DHCP (→page 70)”
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. Log in to the web server of the station with the assigned IPv6 Address.
“Log in to the Web server of the station to be configured (→page 47)”

↓

6. Set “Language (→page 66)”.
Click **[Update]** to update the settings.

↓

7. Configure the station.
“Configuring the Station (→page 62)”

↓

8. Add settings data to existing stations if required.

↓

9. Complete.

4.5.4 Delete a station

Use this flowchart to delete a station.

Important

- Be sure to delete the data of the station from all other stations and Support Tool. Not doing so may result in slower operation.

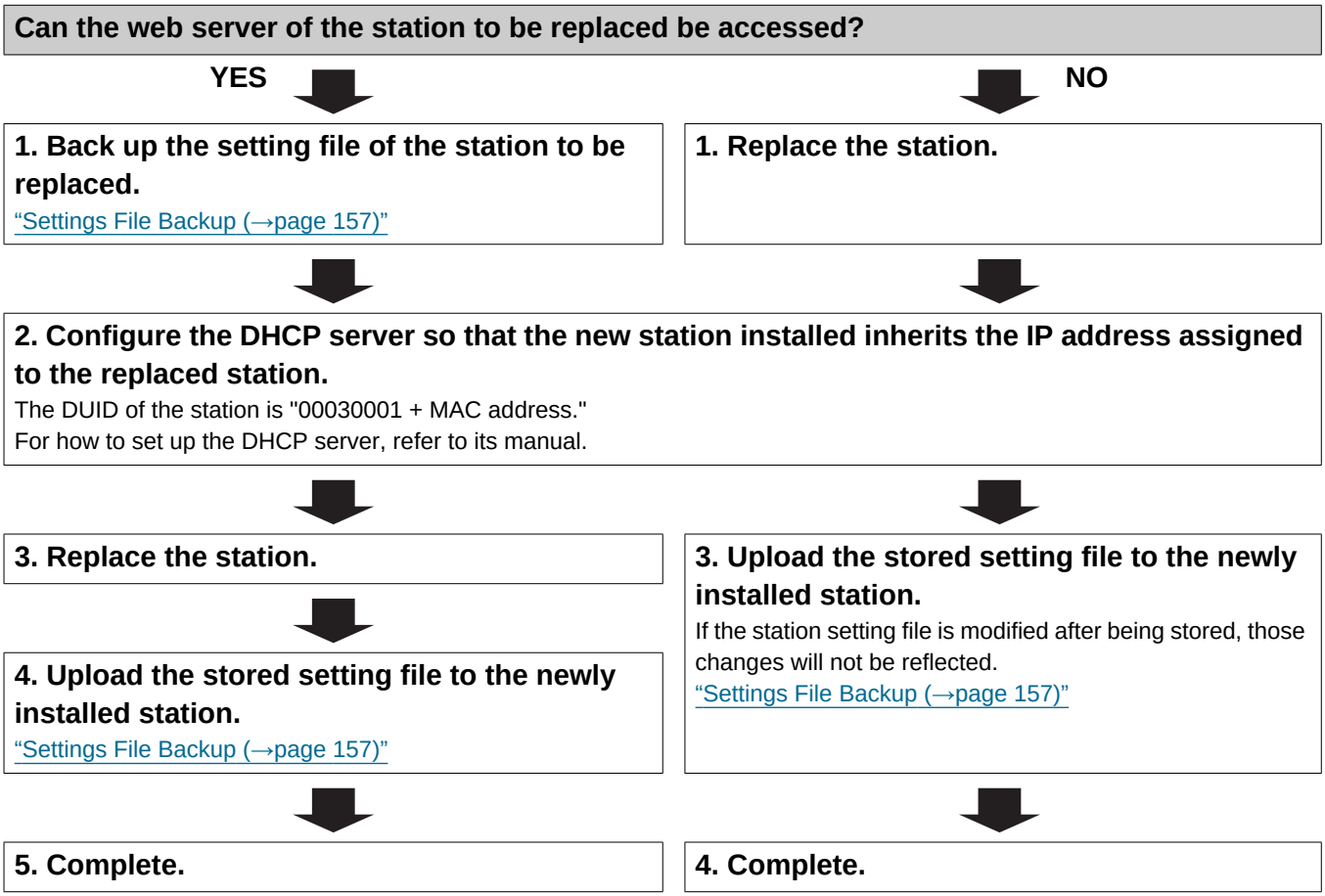
1. Delete the data of the station from all other stations and Support Tool.

↓

2. Complete.

4.5.5 Replace a station

Use this flowchart to replace a station.



Startup and configuration

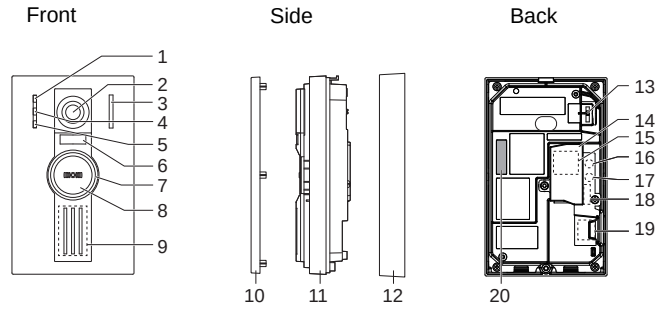
1. System requirements

PC 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 (TLS1.2 enabled)

2. Part Names

IX-EA

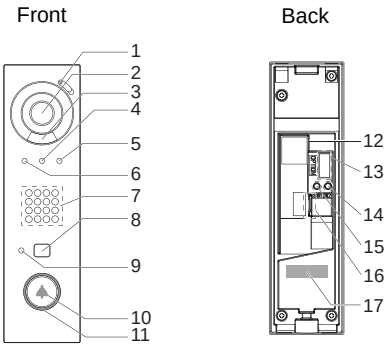


1	Call indicator (green)	11	Main unit
2	Camera	12	Mounting frame
3	Microphone	13	Camera angle adjustment lever
4	Communication indicator (orange)	14	Terminal cover
5	Door release indicator (green)	15	LAN port*1
6	LED for night illumination	16	Reset button*1*2
7	Status indicator (orange/blue) The ring around the button lights up.	17	microSD card eject button*1
8	Call button	18	Option connector terminal*1
9	Speaker	19	microSD card slot*1
10	Panel	20	MAC address

*1 Accessible when terminal cover is opened.

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

IX-DVM

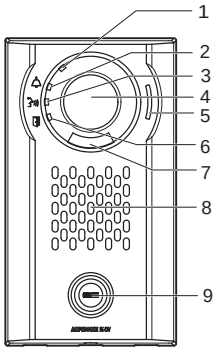


1	Microphone	10	Call button
2	Camera	11	Status indicator (orange/blue) Bell and surrounding ring illuminated by ambient light.
3	LED for night illumination	12	LAN port
4	Communication indicator (orange)	13	Option connector terminal
5	Door release indicator (green)	14	microSD card eject button
6	Call indicator (green)	15	Reset button*1
7	Speaker	16	microSD card slot
8	Contactless call sensor	17	MAC address
9	Sensor OFF indicator (red)		

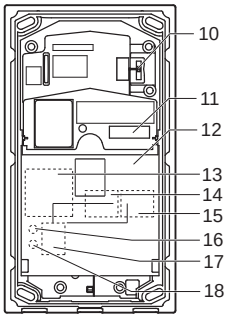
*1 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

IX-DV

Front

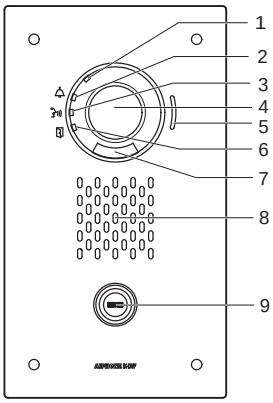


Back

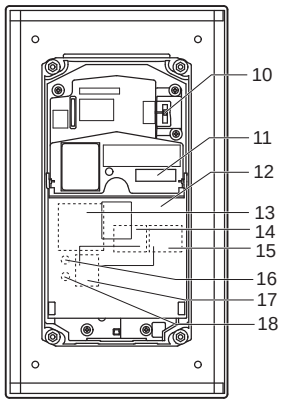


IX-DVF

Front



Back



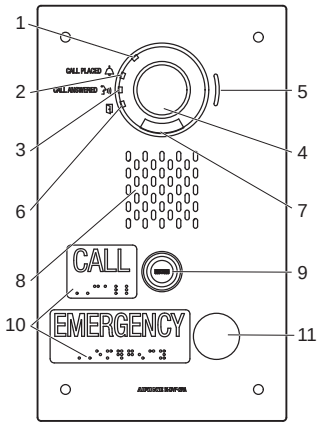
1	Status indicator (orange/blue)	10	Camera angle adjustment lever
2	Call indicator (green)	11	MAC address
3	Communication indicator (orange)	12	Terminal cover
4	Camera	13	Option connector terminal*1
5	Microphone	14	LAN port (PoE/PSE)*1
6	Door release indicator (green)	15	LAN port (PoE/PD)*1
7	LED for night illumination	16	Reset button*1*2
8	Speaker	17	microSD card slot*1
9	Call button Illuminated by an ambient blue light.	18	microSD card eject button*1

*1 Accessible when terminal cover is opened.

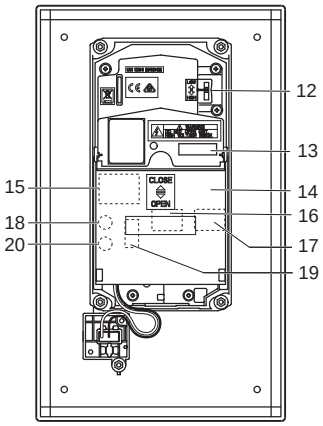
*2 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

IX-DVF-2RA

Front

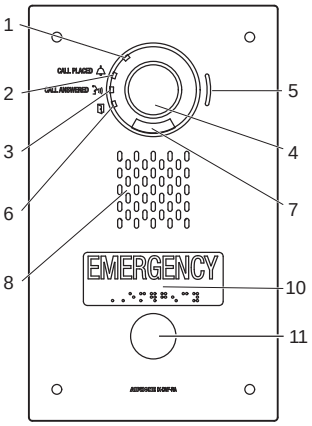


Back

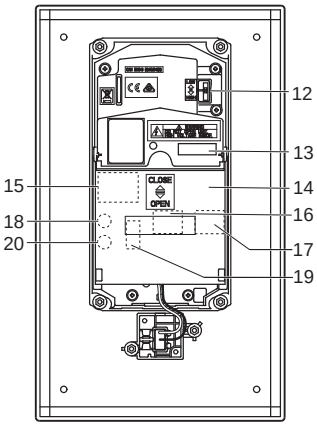


IX-DVF-RA

Front



Back



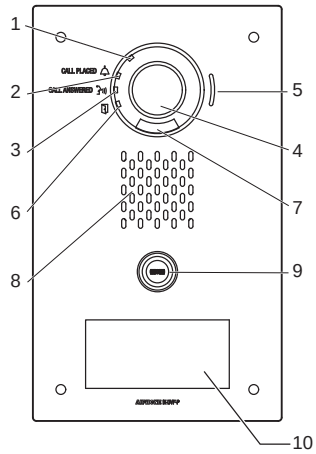
1	Status indicator (orange/blue)	11	Emergency call button
2	Call indicator (green)	12	Camera angle adjustment lever
3	Communication indicator (orange)	13	MAC address
4	Camera	14	Terminal cover
5	Microphone	15	Option connector terminal*1
6	Door release indicator (green)	16	LAN port (PoE/PSE)*1
7	LED for night illumination	17	LAN port (PoE/PD)*1
8	Speaker	18	Reset button*1*2
9	Call button Illuminated by an ambient blue light.	19	microSD card slot*1
10	Braille	20	microSD card eject button*1

*1 Accessible when terminal cover is opened.

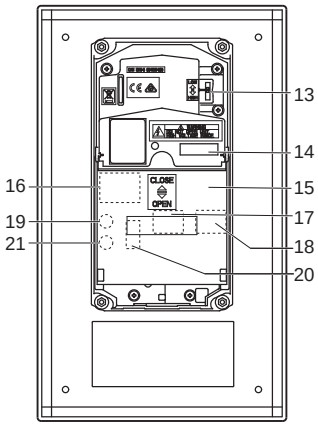
*2 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

IX-DVF-P

Front

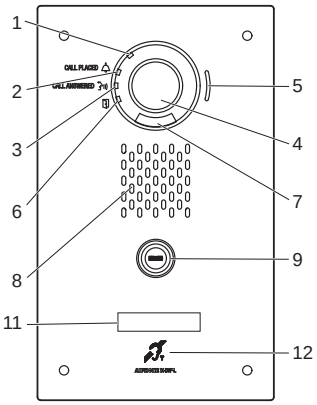


Back

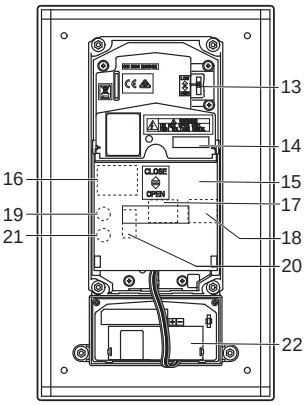


IX-DVF-L

Front



Back



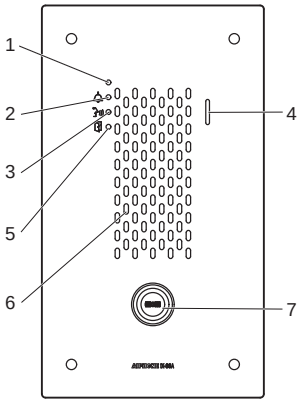
1	Status indicator (orange/blue)	12	T-mode hearing aid indication
2	Call indicator (green)	13	Camera angle adjustment lever
3	Communication indicator (orange)	14	MAC address
4	Camera	15	Terminal cover
5	Microphone	16	Option connector terminal*1
6	Door release indicator (green)	17	LAN port (PoE/PSE)*1
7	LED for night illumination	18	LAN port (PoE/PD)*1
8	Speaker	19	Reset button*1*2
9	Call button Illuminated by an ambient blue light.	20	microSD card slot*1
10	HID reader	21	microSD card eject button*1
11	Name plate (with backlight)	22	Hearing aid unit

*1 Accessible when terminal cover is opened.

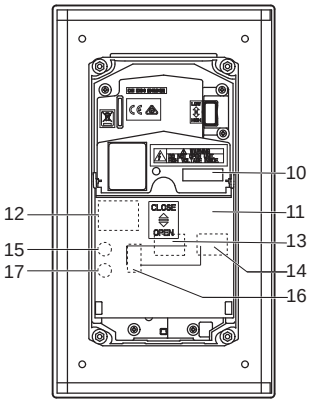
*2 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

IX-SSA

Front

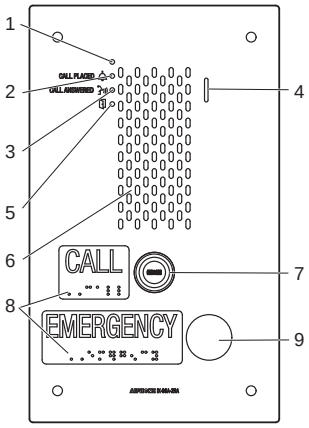


Back

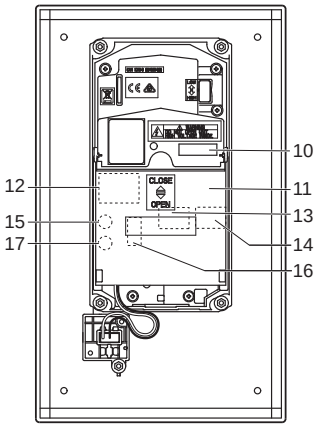


IX-SSA-2RA

Front

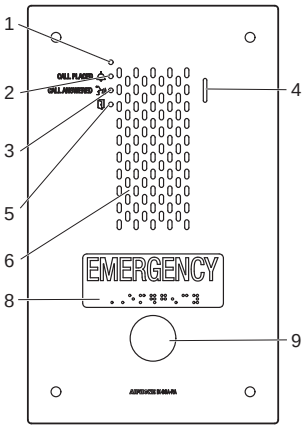


Back

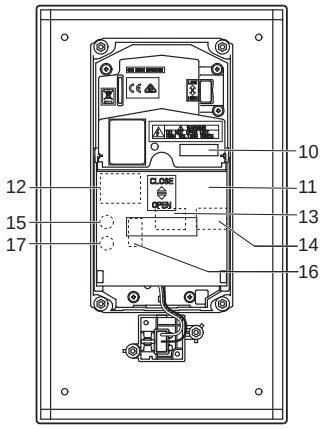


IX-SSA-RA

Front



Back



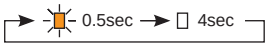
1	Status indicator (orange/blue)	10	MAC address
2	Call indicator (green)	11	Terminal cover
3	Communication indicator (orange)	12	Option connector terminal*1
4	Microphone	13	LAN port (PoE/PSE)*1
5	Door release indicator (green)	14	LAN port (PoE/PD)*1
6	Speaker	15	Reset button*1*2
7	Call button Illuminated by an ambient blue light.	16	microSD card slot*1
8	Braille	17	microSD card eject button*1
9	Urgent call button		

*1 Accessible when terminal cover is opened.

*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		Booting
			Device error, Startup error
			Communication failure
			Firmware version updating
			Mounting/ unmounting microSD card
			Initializing
	Blue light		Standby
Sensor OFF indicator (for IX-DVM)	Red light		Contactless call sensor not available*1

*1 The contactless call sensor cannot be used when “Contactless Call (for IX-DVM) (→page 105)” is disabled or when the sensor is malfunctioning.

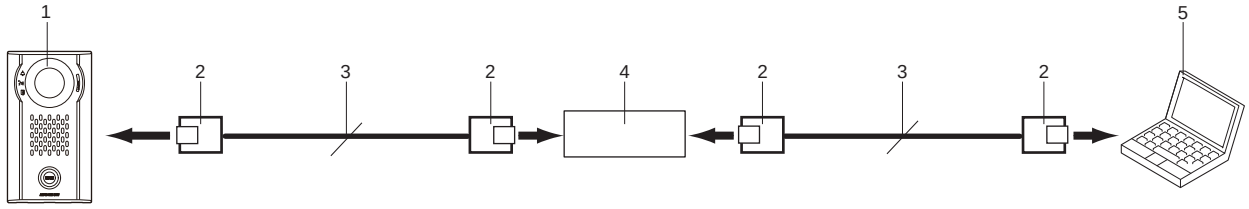
Note

• 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	Door Station	4	PoE compatible switch
2	RJ45	5	PC
3	CAT5e/6 straight cable		

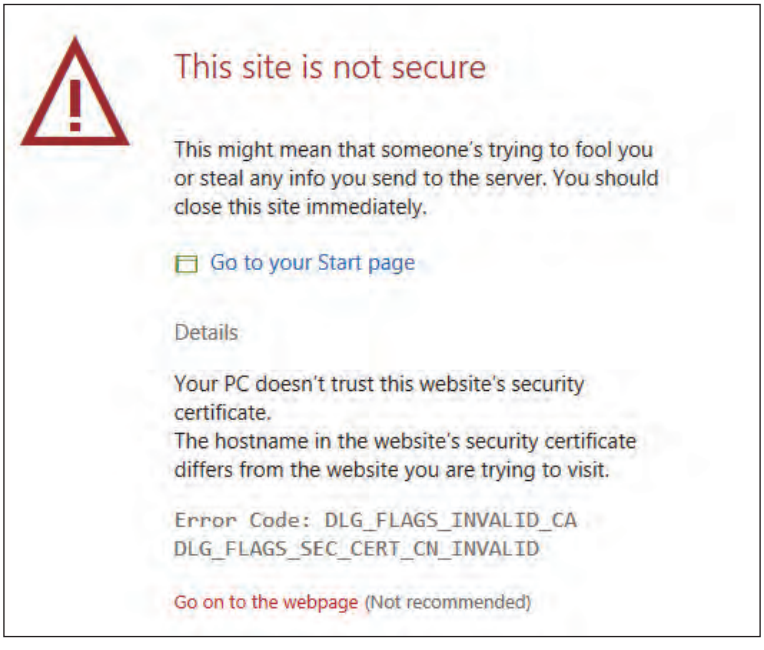
4. Log in to the Web server of the station to be configured

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.
2. Start the PC and open the one of the before mentioned web browsers.
3. Enter the address below in the address bar of the browser to access the configuration Web server.
   IPv4 example - https://IP address of this device/webset.cgi?login
   - Enter the IP address of the station to be configured.
   - IPv6 example - https://[IP address of this device]/webset.cgi?login
   - 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]**.

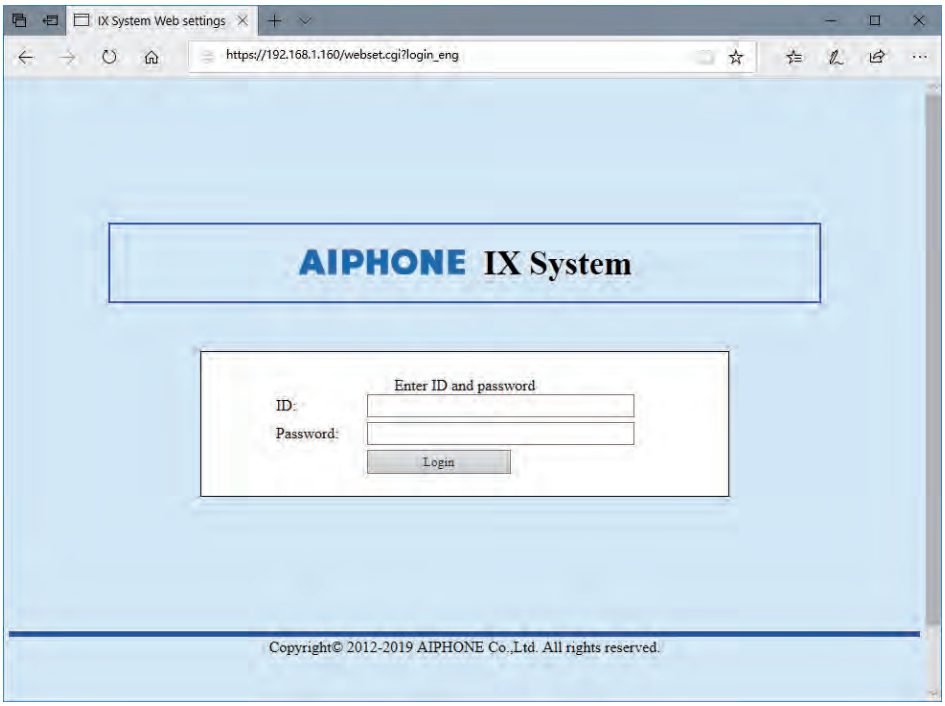


Important

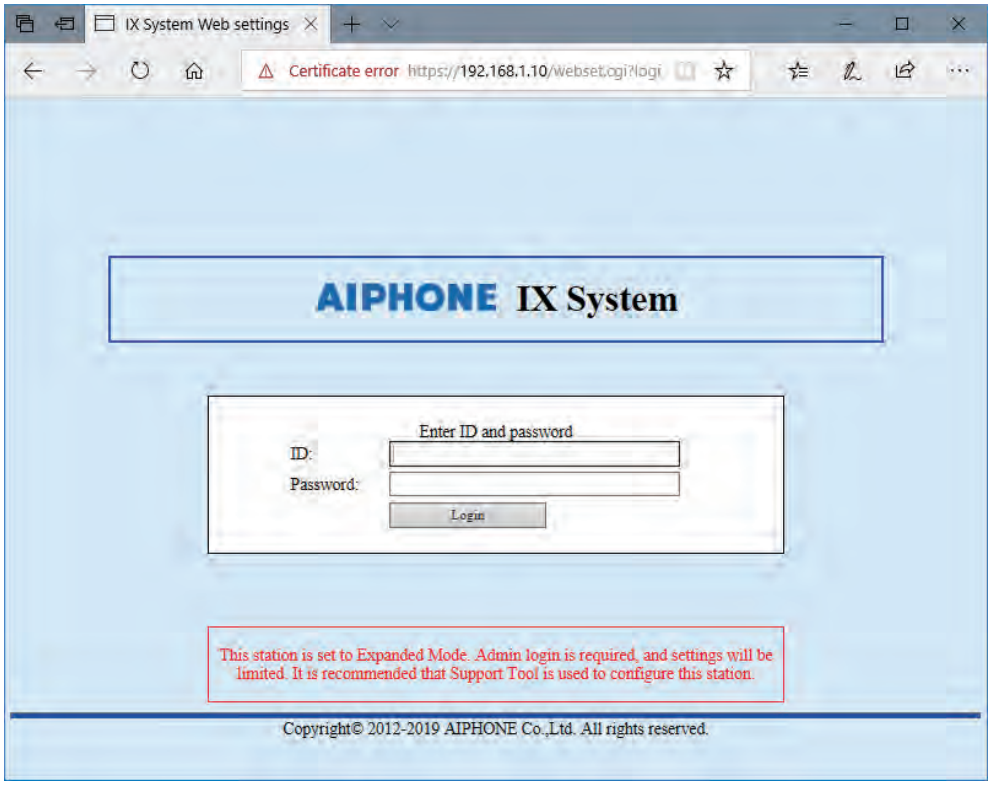
- To prevent the certificate error, perform the procedures described in "CSR (→page 143)" and "SSL Certificate (→page 145)".

5. Select a language. The login window of the selected language will be shown.

6. Enter the ID and password.



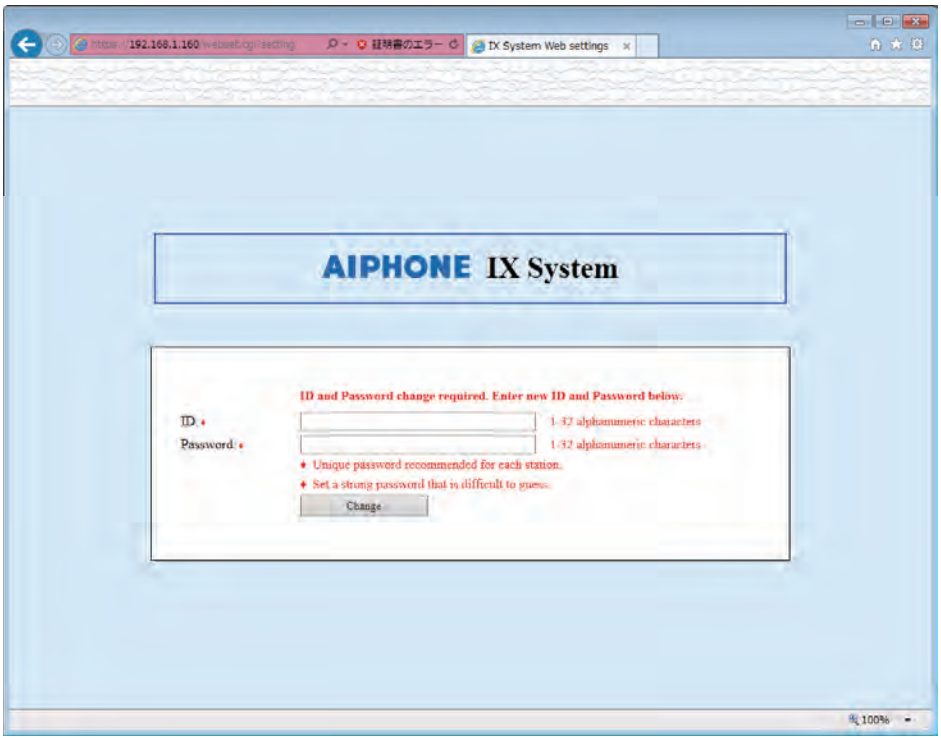
- **The Login screen appears as follows when the Expanded System is set to "Enable."**



Privileges	Default values
Administrator account	ID: admin Password: admin
User account (Cannot be used when the Expanded System is set to "Enable.")	- Log in with administrator account and set with “User ID (→page 64)” and “User Password (→page 64)”.

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

- When you log in for the first time, you need to change your ID and password, so the following screen is displayed. Reset the ID and password.
  - ID: 1-32 alphanumeric characters
  - Password: 1-32 alphanumeric characters
    "admin" and "root" cannot be set for ID and password.



Note

- Do not login multiple times using multiple browsers at one time on the same PC.
- Write down the changed ID and password and keep it in a safe place.

5. Setting window

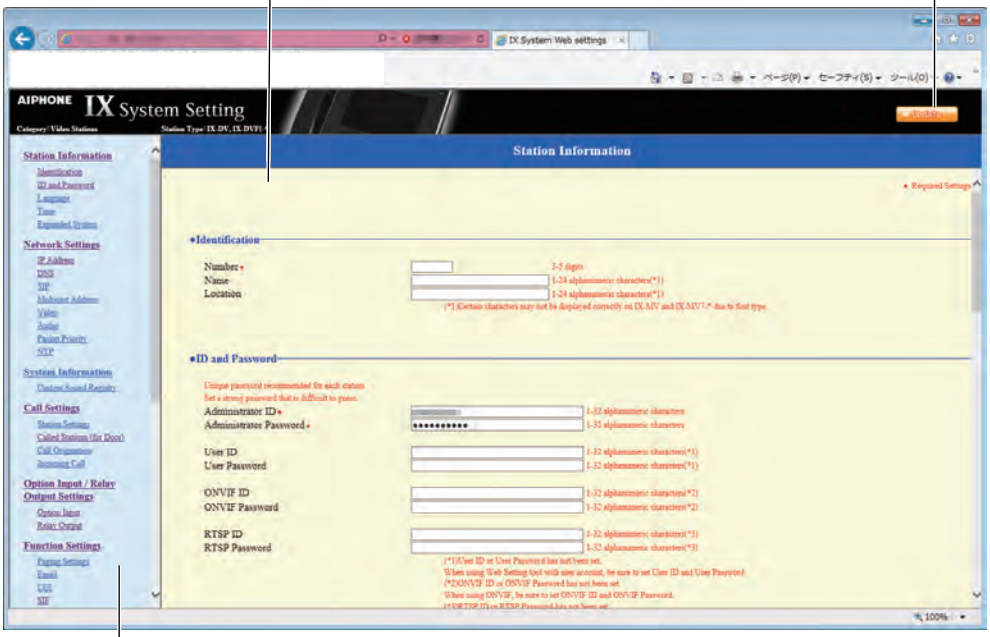
When logging into the web server of the station, the following setting window will be shown. This window will be used to configure the station.

- Depending on PC and OS being used, the window may be slightly different.
- After configuring the station, confirm its operation by referring to the "Operation Manual."
- The screens shown in this manual are taken from the Web configuration screens for IX-DV and IX-DVF(-*).

Setting window example

Setting screen: Display the setting screen for the currently selected title.

Update button: Click to update the station settings.



Setting menu: Display the titles as a list. Click the title of the item that you wish to configure to display the corresponding setting screen. Display the "Maintenance Settings" only when the Expanded System is set to "Enable."

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 an update fails, an error message will be displayed.
- To cancel any changes, click another title in the setting menu.
- Do not remove power to the station while updating.

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

Note

- To exit the station's web setting, click **[Log out]** and do not close the browser window by clicking **[X]**. If **[Log out]** is not used, it will be unable to login for approximately 1 hour.
- If the setting window switch to another without clicking **[Update]**, the settings will not be saved.
- 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 store it at a safe location (→page 157). Otherwise, it may become impossible to restore the settings after fixing a malfunction.
- Only the Maintenance Settings can be configured when the Expanded System is set to "Enable."

Access privileges
A: Administrator
U: User

Entry				Access privileges		Reference page
				A	U	
Station Information						
Identification	-	-	Number♦♣	✓		63
			Name	✓		63
			Location	✓		63
ID and Password	-	-	Administrator ID♦♣	✓		64
			Administrator Password♦♣	✓		64
			User ID	✓	✓	64
			User Password	✓	✓	64
			ONVIF ID (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	✓	✓	64
			ONVIF Password (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	✓	✓	64
			RTSP ID	✓	✓	65
			RTSP 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	✓	✓	68
Expanded System (not used)	-	-	-	✓		69
Network Settings						
IP Address	Static / DHCP	-	-	✓		70
	IPv4 Address	-	IP Address♦♣	✓		71
			Subnet Mask♦	✓		71
			Default Gateway	✓		71

Entry				Access privileges		Reference page
				A	U	
	IPv6 Address	-	IP Address♦♣	✓		71
			Default Gateway	✓		71
DNS	Primary Server	-	IPv4	✓		72
			IPv6	✓		72
	Secondary Server	-	IPv4	✓		72
			IPv6	✓		72
SIP	SIP Connections	-	SIP Signaling Port♦	✓		73
			User Agent	✓		73
	SIP Server	SIP Compatibility Mode	-	✓		74
		Primary Server	ID	✓		74
			Password	✓		74
			IPv4 Address	✓		74
			IPv6 Address	✓		74
			Port♦	✓		74
		Secondary Server	ID	✓		75
			Password	✓		75
			IPv4 Address	✓		75
			IPv6 Address	✓		75
			Port♦	✓		75
		Tertiary Server	ID	✓		75
			Password	✓		75
			IPv4 Address	✓		76
			IPv6 Address	✓		76
			Port♦	✓		76
	Miscellaneous	-	Register Transmission Interval [sec]♦	✓		76
			DTMF digit interval timeout [sec]♦	✓		76
			Call health check timer♦	✓		76
Multicast Address (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	For Call	-	IPv4	✓		77
			IPv6	✓		77

Entry				Access privileges		Reference page
				A	U	
Video (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	SIP Channel	-	Resolution	✓	✓	78
			Wide View (for IX-DVM)	✓	✓	78
			Frame Rate [fps]	✓	✓	78
			Select Profile	✓	✓	79
			I-picture interval♦	✓	✓	79
			Bit rate [kbps]	✓	✓	79
			RTP Start Port♦	✓		79
			RTP End Port♦	✓		79
	ONVIF Transmit Channel	-	Second Video Encoder	✓	✓	80
			Video Codec	✓	✓	80
			Resolution	✓	✓	80
			Frame Rate [fps]	✓	✓	80
			Select Profile [H.264 / AVC]	✓	✓	81
			I-picture interval [H.264/ AVC]♦	✓	✓	81
			Bit rate [kbps] [H.264 / AVC]	✓	✓	81
			Select Quality [Motion-JPEG]	✓	✓	81
			RTP Start Port♦	✓		81
			RTP End Port♦	✓		81
			VMS Type	✓		81
	Fisheye Lens Correction (for IX-DVM)	-	Fisheye Lens Correction	✓		82
Audio	-	-	Audio Codec	✓		83
			Audio RTP Transmission Interval [msec]	✓		84
			RTP Idle Detection Time [sec]♦	✓		84
	SIP Channel	-	RTP Start Port♦	✓		85
			RTP End Port♦	✓		85
	ONVIF Transmit Channel	-	RTP Start Port♦	✓		85
			RTP End Port♦	✓		85
	Audio Buffer	-	Packets Buffered at Audio Start	✓		85
			Maximum Packets Buffered	✓		85

Entry				Access privileges		Reference page
				A	U	
Packet Priority	-	-	TOS Value (Audio)♦	✓		86
			TOS Value (Video) (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))♦	✓		86
			TOS Value (SIP)♦	✓		86
			VLAN Setting	✓		86
			VLAN ID♦	✓		87
			VLAN Priority	✓		87
NTP	Enable NTP	-	-	✓	✓	88
	Synchronization Interval [hour]♦	-	-	✓		88
	Primary Server	Address	IPv4	✓		88
			IPv6	✓		88
		Port♦	-	✓		89
	Secondary Server	Address	IPv4	✓		89
			IPv6	✓		89
		Port♦	-	✓		89
System Information						
Custom Sound Registry	-	-	-	✓	✓	90
Call Settings						
Station Information	-	-	Call Button Function	✓		92
Called Stations (for Door)♣	-	-	Station Number	✓		93
			IPv4 Address	✓		93
			IPv6 Address	✓		93
			Station Type	✓		94
			Protocol (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	✓		94
Call Origination	Call Origination Advanced Settings	-	Call Method	✓	✓	95
			Ringback Tone	✓	✓	96
			Call Timeout♦	✓	✓	96
			Ringback Tone Count [time(s)]	✓	✓	96
		Standard Mode Settings	Call Destination	✓	✓	97
			Priority	✓	✓	97

Entry				Access privileges		Reference page
				A	U	
		Destination by Time Delay Settings	Call Destination	✓	✓	97
			Priority	✓	✓	97
			Destination Dwell Time [sec]♦	✓	✓	97
		Schedule Settings	-	✓	✓	98
	Tone Settings	-	Busy Tone	✓	✓	101
			Error Tone (Call Failed)	✓	✓	101
	Call Restart Function	-	Call Restart Function	✓	✓	102
Incoming Call	Call Answer Settings	-	Auto Answer	✓	✓	103
	Ringtone	-	Ringtone	✓	✓	103
			Ringback Tone Count [time(s)]	✓	✓	104
	VoIP Phone	-	VoIP Phone Call Priority	✓	✓	104
	Contactless Call (for IX-DVM)	-	Contactless Call	✓		105
			Detection Time	✓		105
			Detection Distance	✓		105
Option Input / Relay Output Settings						
Option Input	Option Input Advanced Settings	-	Name	✓		106
			Function	✓		107
			Type	✓		107
			Detection Time Range	✓		107
			API 1	✓		107
			API 2	✓		107
Relay Output	Relay Output Advanced Settings	-	Name	✓		109
			Function	✓		109
			Option Relay Control	✓		110
			Output Time Range	✓		110
			Door Release Authorization	✓	✓	110
			Sound Settings	✓	✓	111
		Schedule Settings	-	✓		112
	Option Relay Control Authentication Key	-	-	✓	✓	114
Function Settings						
Paging Settings	-	-	Paging Pretone	✓	✓	115
Email	Server Settings	-	SMTP Server	✓		116
			SMTP Port♦	✓		116
			SMTP Encryption	✓		116
	Authentication Settings	-	SMTP Authentication	✓		117

Entry				Access privileges		Reference page
				A	U	
			Mode	✓		117
			ID	✓		117
			Password	✓		117
	Email Addresses	-	Destination 1	✓	✓	118
			Destination 2	✓	✓	118
			Destination 3	✓	✓	118
			Source Address	✓		118
	Email Event Trigger	-	Outgoing Normal Call	✓	✓	119
			Incoming Normal Call	✓	✓	119
			Outgoing Priority Call	✓	✓	119
			Incoming Priority Call	✓	✓	120
			Outgoing Urgent Call	✓	✓	120
			Incoming Urgent Call	✓	✓	120
			Call Failed	✓	✓	120
			Latch Reset	✓	✓	120
			Error	✓	✓	120
			Station Restarted	✓	✓	120
			SD Card Error	✓	✓	121
			Recording Memory Full	✓	✓	121
			Subject	✓	✓	121
	Periodic Log Transmission	-	Periodic Log Transmission	✓	✓	121
			Periodic Log Transmit Time	✓	✓	122
			Periodic Log Transmit Interval	✓	✓	122
			Periodic Log Transmission Subject	✓	✓	122
	Send Test Email	-	-	✓	✓	123
	Additional Settings (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	-	Attach Image	✓	✓	124
			Image Filename	✓	✓	124
CGI	CGI Functionality	-	-	✓		125
SIF	SIF Functionality	-	-	✓		126
	SIP URI Format	-	-	✓		126
	SIF Settings	-	Program Type	✓		127
			IPv4	✓		127
			IPv6	✓		127
			Destination Port	✓		127
			SSL	✓		127
			Connection	✓		127

Entry				Access privileges		Reference page
				A	U	
	Transmission Trigger	-	Begin Outgoing Call	✓		128
			Begin Communication (Source)	✓		128
			End Communication	✓		128
			Change contact	✓		128
			Unit error	✓		129
			Periodical Transmission	✓		129
			Initialization Notice	✓		129
			End Outgoing Call	✓		129
			Begin Incoming Call	✓		129
			End Incoming Call	✓		129
			Latch Reset	✓		129
			Change Call Destination	✓		130
			Call Failure	✓		130
			Begin Incoming Page	✓		130
			End Incoming Page	✓		130
			Begin Monitored	✓		130
			End Monitored	✓		130
			Begin Communication (Destination)	✓		130
			Begin Record	✓		131
			End Record	✓		131
			Recording Memory Full	✓		131
			SD Card Error	✓		131
			SIP Registration Failure	✓		131
	Periodical Transmission Interval	-	Periodical Transmission Interval♦	✓		132
	SIF File Management	-	SIF Communication Settings (sif.ini)	✓		133
			SIF Parameter Settings (sif_conf.ini)	✓		133
Record	-	-	Record Mode	✓	✓	134
			Record Event	✓	✓	134
			Prevent Overwrite	✓	✓	135
			Video Recording File Length	✓	✓	135
			Audio Recording (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	✓	✓	135
	Schedule Settings	Weekly Schedule	-	✓	✓	136

Entry				Access privileges		Reference page
				A	U	
Communication Audio Messages	Start Communication	-	-	✓	✓	137
	Code Received	-	Code	✓	✓	138
			Message	✓	✓	138
Chime	Weekly Schedule	-	Start Time	✓	✓	139
			Chime	✓	✓	140
	Daily Schedule	-	Start Time	✓	✓	141
			Chime	✓	✓	142
CSR	-	-	Country	✓		143
			State/County/Region	✓		143
			City/Locality	✓		143
			Organization	✓		143
			Organizational Unit	✓		143
			Common Name	✓		144
SSL Certificate	-	-	-	✓		145
IEEE802.1X	-	-	IEEE802.1X	✓		146
			EAP	✓		146
			EAP User Name	✓		146
			EAP Password	✓		146
			Certificate Authority	✓		147
			Client Certificate	✓		147
			Client Private Key	✓		147
Station Settings						
Volume / Tone	Volume	-	Transmit	✓	✓	148
			Receive	✓	✓	148
			VoIP Phone Volume Adjustment	✓	✓	148
			Ringtone	✓	✓	148
			Paging	✓	✓	148
	Tone	-	Communication Timeout Notification	✓	✓	149
			Communication End Pretone	✓	✓	149
			Auto Answer Tone	✓	✓	150
			Key Received	✓	✓	150
			Error	✓	✓	151
			Audio Output (for Door) (except IX-DVM)	✓		151
Communication	-	-	Talk Timeout [sec]♦	✓	✓	152
			Communication Start Tone	✓	✓	152

Entry				Access privileges		Reference page
				A	U	
Monitor	-	-	Prevent Being Monitored	✓		153
			Monitored Notification Tone	✓	✓	153
			Monitored LED Notification	✓	✓	153
Camera (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))	Adjustment	-	Backlight Compensation	✓	✓	154
			Low Light Sensitivity	✓	✓	154
	White LED	-	Call / Communication	✓	✓	154
			Monitored	✓	✓	154
Maintenance						
Firmware Update	-	-	-	✓		155
Initialization	-	-	Initialization	✓		156
			Initialize User Settings	✓	✓	156
Settings File Backup	-	-	Download Settings File	✓		157
			Restore Settings File	✓		157
System Log	-	-	Download	✓		158
syslog	-	-	IPv4 Address	✓		159
			IPv6 Address	✓		159
			Port♦	✓		159
Contactless Call(Calibration) (for IX-DVM)	-	-	Calibration Pattern	✓		160

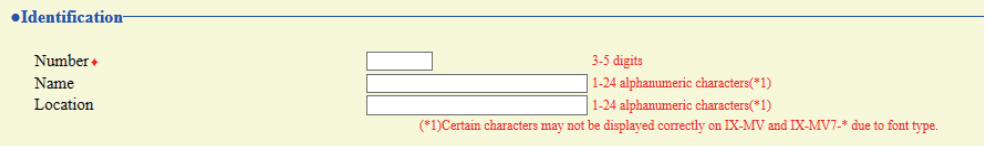
Configuring the Station

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



■ Number♦♣

Description	Set an unique number for each station. The station number will be displayed on the screen of the destination during call, etc.
Settings	3 - 5 digits
Default values	—

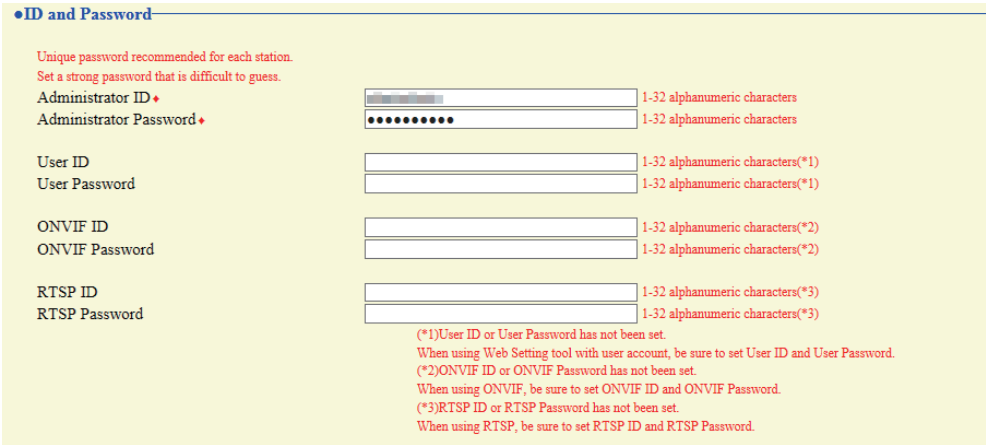
■ Name

Description	Set the station name. The station name will be displayed on the screen of the destination during call, etc.
Settings	1-24 alphanumeric characters
Default values	—

■ Location

Description	Select the Location of the station. The location will be displayed on the screen of the destination during call, etc.
Settings	1-24 alphanumeric characters
Default values	—

1.2 ID and Password



■ Administrator ID♦♣

Description	Set the ID of the administrator account for logging in to the Web System Setting Server.
Settings	1 - 32 alphanumeric characters "admin" and "root" cannot be set.
Default values	admin

■ Administrator Password♦♣

Description	Set the Password of the administrator account for logging in to the Web System Setting Server.
Settings	1 - 32 alphanumeric characters "admin" cannot be set.
Default values	admin

■ User ID

Description	Set the ID of the user account for logging in to the Web System Setting Server.
Settings	1 - 32 alphanumeric characters "root" cannot be set.
Default values	-

■ User Password

Description	Set the Password of the user account for logging in to the Web System Setting Server.
Settings	1 - 32 alphanumeric characters
Default values	-

■ ONVIF ID (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))

Description	Set the ID to access this station from 3rd party products using ONVIF.
Settings	1 - 32 alphanumeric characters
Default values	-

■ ONVIF Password (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))

Description	Set the Password to access this station from 3rd party products using ONVIF.
Settings	1 - 32 alphanumeric characters
Default values	-

■ RTSP ID

Description	Set the ID to access this station from 3rd party products using RTSP.
Settings	1 - 32 alphanumeric characters
Default values	-

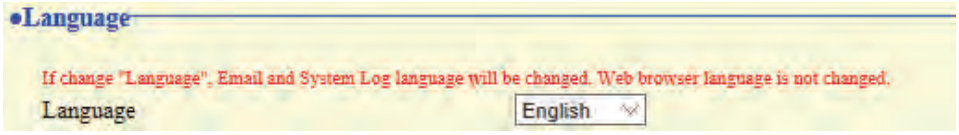
■ RTSP Password

Description	Set the Password to access this station from 3rd party products using RTSP.
Settings	1 - 32 alphanumeric characters
Default values	-

Note

- "Administrator ID" and "User ID" cannot be identical.
- The ONVIF port number is "10080" and the RTSP port number is "554."
- Refer to “Viewing video from IX-EA, IX-DVM, IX-DV, or IX-DVF(-*) with 3rd party products (ONVIF) (→page 161)” for information on connecting IX-EA, IX-DVM, IX-DV, and IX-DVF(-*) with a 3rd party product.
- The "Administrator Password," "User Password," "ONVIF Password," and "RTSP Password " are displayed as "●●●●●" on the screen.

1.3 Language



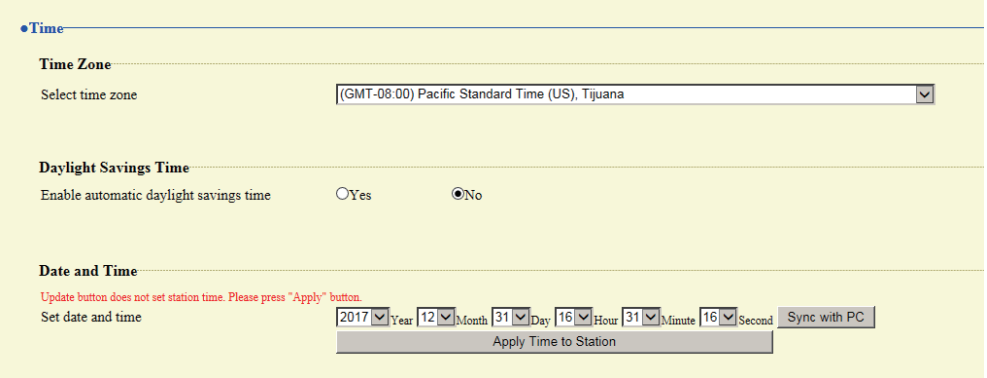
■ Language

Description	Configure the language for the following on the station. • Language used for various settings (including the station name) • Set the email and System Log language.
Settings	• Japanese • English • French • Spanish • Dutch • Traditional Chinese • Simplified Chinese
Default values	English

Note

• When logging in to web configuration with the station in its default state at the first time, 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	Set the Time Zone.
Settings	Select from 99 regions
Default values	(GMT-08:00) Pacific Standard Time (US), Tijuana

Note

- When logging in to web configuration with the station in its default state at the first time, 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
  - French: (GMT+01:00) Brussels, Madrid, Copenhagen, Paris
  - Spanish: (GMT+01:00) Brussels, Madrid, Copenhagen, Paris
  - Dutch: (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm
  - Traditional Chinese: (GMT+08:00) Taipei
  - Simplified Chinese: (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi

1.4.2 Daylight Savings Time

■ Enable automatic daylight savings time

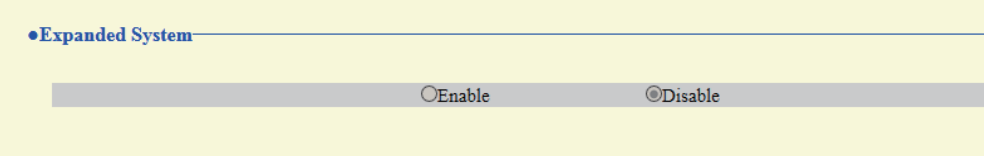
Description	The daylight saving time is set automatically according by region selected in “Select time zone (→page 67)”.
Settings	• Yes • No
Default values	No

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 - 2065/12/31/23:59:59 **[Sync with PC]**: Synchronized with 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" applied
Remarks	The time cannot be updated by pressing **[Update]**. Press **[Apply Time to Station]** to update.

1.5 Expanded System



Description	Not used.

Important

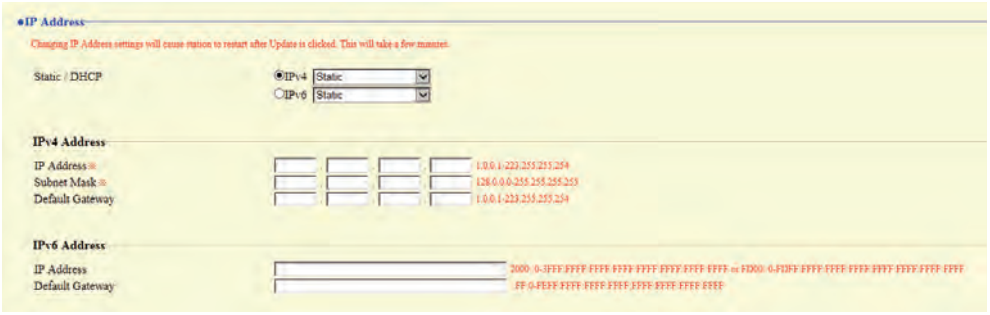
- The Expanded System cannot be changed in the Web Settings. Configure the settings with the IX Support Tool.

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 up to 10 minutes for the station to start up.



2.1.1 Static / DHCP

Description	Select Static or DHCP for the selected IP version in "IP Version".
Settings	• For IPv4: – Static – DHCP • For IPv6: – Static – Stateless – DHCPv6
Default values	IPv4 • Static

Important

- Both IPv4 and IPv6 cannot be used 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

- If "Static / DHCP" was set to "DHCP," settings will not be applied to the station if "IP Address," "Subnet Mask," and "Default Gateway" are entered.

■ IP Address♦♣

Description	Set the IP address. The IP Address should be unique.
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.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

2.1.3 IPv6 Address

Important

- If "Static / DHCP" is "Stateless" or "DHCPv6," settings will not be applied to the station even if the "IP Address" and "Default Gateway" settings are input.

■ IP Address

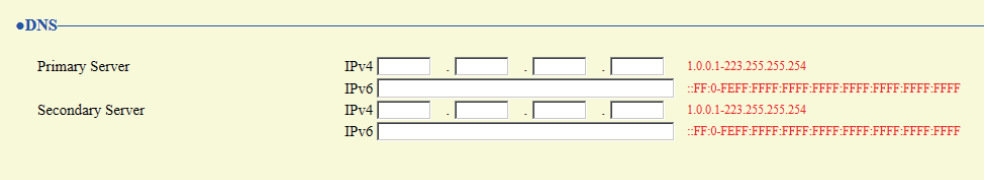
Description	Set the IP address. The IP Address should be unique.
Settings	2000::0 - 3FFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or FD00::0 - FDFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

■ Default Gateway

Description	Set the Default Gateway.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

2.2 DNS

When IPv4 or IPv6 is configured as Hostname for each entry, a DNS server must be configured for name resolution.



2.2.1 Primary Server

■ IPv4

Description	Set the IPv4 address for DNS Primary Server.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

■ IPv6

Description	Set the IPv6 address for DNS Primary Server.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

2.2.2 Secondary Server

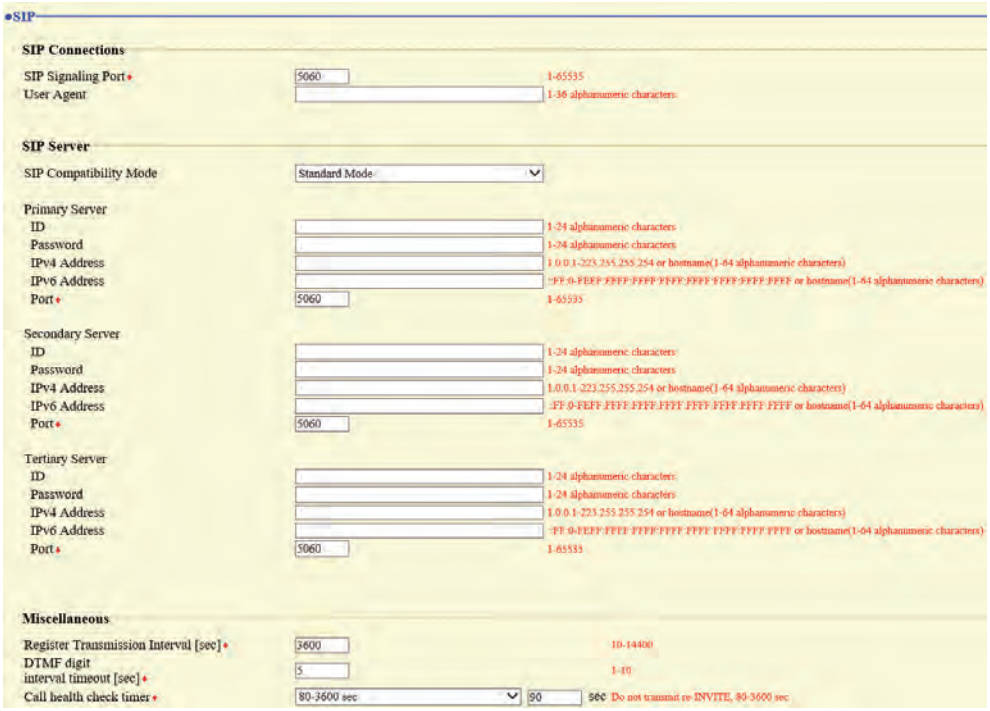
■ IPv4

Description	Set the IPv4 address for DNS Secondary Server.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

■ IPv6

Description	Set the IPv6 address for DNS Secondary Server.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

2.3 SIP



Important

- Some countries have local restrictions on connecting to a PBX. Please refer to our website to check the countries where PBX connection is allowed.
  https://www.aiphone.net/support/software-documents/ix/documents.html

2.3.1 SIP Connections

■ SIP Signaling Port♦

Description	Set the Port Number for SIP. Set the same port number for each station to communicate.
Settings	1 - 65535
Default values	5060

■ User Agent

Description	Set the 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 SIP Compatibility Mode

Description	Select the compatibility mode for the SIP server.
Settings	• Standard Mode • Genetec Mode
Default values	Standard Mode

2.3.2.2 Primary Server

■ ID

Description	Configure the user ID for digest authentication with SIP server.
Settings	1-24 alphanumeric characters
Default values	—

■ Password

Description	Configure the user password for digest authentication with SIP server.
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 SIP server.
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 SIP server.
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 to communicate with the SIP server.
Settings	1 - 65535
Default values	5060

2.3.2.3 Secondary Server

■ ID

Description	Configure the user ID for digest authentication with SIP server.
Settings	1-24 alphanumeric characters
Default values	—

■ Password

Description	Configure the user password for digest authentication with SIP server.
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 SIP server.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6 Address

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

■ Port♦

Description	Set the Port Number to communicate with the SIP server.
Settings	1 - 65535
Default values	5060

2.3.2.4 Tertiary Server

■ ID

Description	Configure the user ID for digest authentication with SIP server.
Settings	1-24 alphanumeric characters
Default values	—

■ Password

Description	Configure the user password for digest authentication with SIP server.
Settings	1-24 alphanumeric characters
Default values	—

Note

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

■ IPv4 Address

Description	Set the IPv4 address of the SIP server.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6 Address

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

■ Port♦

Description	Set the Port Number to communicate with the SIP server.
Settings	1 - 65535
Default values	5060

2.3.3 Miscellaneous

■ Register Transmission Interval [sec]♦

Description	Configure the Transmission Interval to send Register to the SIP server.
Settings	10 - 14400sec
Default values	3600 sec

■ DTMF digit interval timeout [sec]♦

Description	Set the timer to transmit re-INVITE while calling and monitoring.
Settings	1 - 10 sec
Default values	5 sec

■ 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 to set between 80 - 3600 sec (by 1 sec). • Do not transmit re-INVITE: Do not detect communication errors.
Default values	90 sec

2.4 Multicast Address (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))

This should be configured when you enable the multicast feature in “Called Stations (for Door) (→page 92)”.

2.4.1 For Call

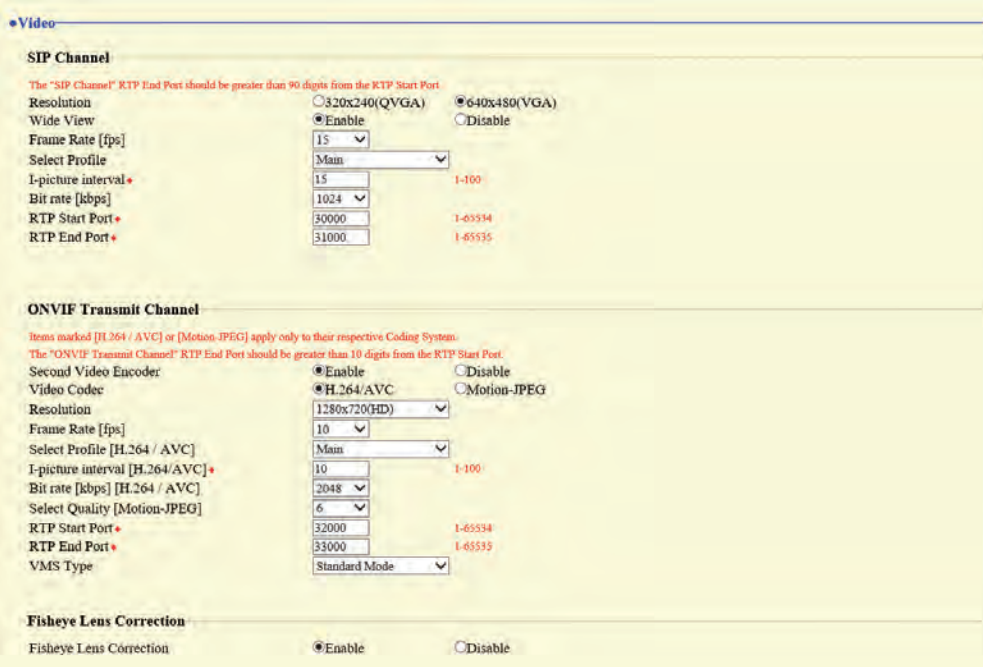
■ IPv4

Description	Set the IPv4 Multicast Address. The Multicast Address should be unique.
Settings	224.0.0.0 - 239.255.255.255
Default values	—

■ IPv6

Description	Set the IPv6 Multicast Address. The Multicast Address should be unique.
Settings	FF10::0 - FF1F:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

2.5 Video (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))



2.5.1 SIP Channel

Configure video settings when placing a call between stations, during communication, and when calling a VoIP Phone. The coding system will be H.264 / AVC.

Important

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

■ Resolution

Description	Select the video resolution.
Settings	• 320×240 (QVGA) • 640×480 (VGA)
Default values	640×480 (VGA)

■ Wide View (for IX-DVM)

Description	Set whether to output a wide video or a video of which center is magnified.
Settings	• Enable • Disable
Default values	Enable

■ Frame Rate [fps]

Description	Set the Frame Rate [fps].
Settings	1, 2, 3, 5, 7.5, 10, 15, 20, 30 fps When the frame rate is set to 7.5, 10, 15, 20 or 30 fps, the frame rate will be 5 fps after approx. 10 min of an outgoing call.
Default values	15 fps

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	Select the Profile.
Settings	• Baseline • Main • High
Default values	Main

Note

- Make sure that the profiles of the stations of the IX system have the same settings.

■ I-picture interval♦

Description	Set the interval to send I-picture.
Settings	1 - 100
Default values	15

■ Bit rate [kbps]

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

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.

■ RTP Start Port♦

Description	Set the range of port numbers to transmit and receive RTP. Set the difference to 90 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65534
Default values	30000

■ RTP End Port♦

Description	Set the range of port numbers to transmit and receive RTP. Set the difference to 90 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65535
Default values	31000

2.5.2 ONVIF Transmit Channel

If you want to transmit video in ONVIF, you should configure these.
To view video from IX-EA, IX-DVM, IX-DV, or IX-DVF(-*) with a 3rd party product, refer to “Viewing video from IX-EA, IX-DVM, IX-DV, or IX-DVF(-*) with 3rd party products (ONVIF) (→page 161)”.

Important

- Settings may be changed due to a request of the product to be connected. For detailed information, refer to the respective manual of the manufacturer.

■ Second Video Encoder

Description	Select Enable / Disable for Second Video Encoder. Set to "Enable" to send the video using ONVIF.
Settings	• Enable • Disable
Default values	Enable

■ Video Codec

Description	Select the Video Codec.
Settings	• H.264 / AVC • Motion-JPEG
Default values	H.264 / AVC

■ Resolution

Description	Select the video resolution.
Settings	• 320×240 (QVGA) • 640×480 (VGA) • 800x480 (WVGA) • 1280x720 (HD) • 1280x960 (SXVGA) (except IX-DVM)
Default values	1280x720 (HD)

■ Frame Rate [fps]

Description	Set the Frame Rate [fps].
Settings	1, 2, 3, 5, 7.5, 10, 15, 20, 30 fps
Default values	10 fps

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 [H.264 / AVC]

Description	Select the H.264 / AVC Profile.
Settings	• Baseline • Main • High
Default values	Main

■ I-picture interval [H.264/AVC]♦

Description	Set the interval to send H.264 / AVC I-picture.
Settings	1 - 100
Default values	10

■ Bit rate [kbps] [H.264 / AVC]

Description	Set the H.264 / AVC Bit Rate.
Settings	32, 64, 128, 256, 384, 512, 768, 1024, 2048, 4096, 8192 kbps
Default values	2048 kbps

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.

■ Select Quality [Motion-JPEG]

Description	Select the Quality of Motion-JPEG.
Settings	1 (Low) - 10 (High)
Default values	6

■ RTP Start Port♦

Description	Set the range of port numbers to transmit RTP. Set the difference to 10 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65534
Default values	32000

■ RTP End Port♦

Description	Set the range of port numbers to transmit RTP. Set the difference to 10 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65535
Default values	33000

■ VMS Type

Description	Select the compatibility mode for VMS. Set "Standard Mode" when linking with other than VMS made by Genetec.
Settings	• Standard Mode • Genetec Mode
Default values	Standard Mode

2.5.3 Fisheye Lens Correction (for IX-DVM)

■ Fisheye Lens Correction

Description	Set the correction of video distortion peculiar to fisheye lens. The correction eliminates the distortion, but the display range of the video becomes slightly narrower.
Settings	• Enable • Disable
Default values	Enable

2.6 Audio

■ Audio Codec

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

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 to restart the station.
- Stations with different audio codecs (G.711 and G.722) selected cannot ring, call, monitor, or page each other.
- When set to "G.722," audio will not be sent to 3rd party products connected via ONVIF.
- 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 90)"
  - "Call Origination" - "Call Button" - "Ringback Tone (→page 96)"
  - "Call Origination" - "Option Input 1 - 6" - "Ringback Tone (→page 96)"
  - "Call Origination" - "Busy Tone (→page 101)"
  - "Call Origination" - "Error Tone (Call Failed) (→page 101)"
  - "Incoming Call" - "Ringtone (→page 103)"
  - "Relay Output" - "Sound Settings (→page 111)"
  - "Paging Settings" - "Paging Pretone (→page 115)"
  - "Communication Audio Messages" - "Start Communication (→page 137)"
  - "Communication Audio Messages" - "Code Received" - "Message (→page 138)"
  - "Chime" - "Weekly Schedule" - "Chime (→page 140)"
  - "Chime" - "Daily Schedule" - "Chime (→page 142)"
  - "Volume / Tone" - "Communication Timeout Notification (→page 149)"
  - "Volume / Tone" - "Communication End Pretone (→page 149)"
  - "Volume / Tone" - "Auto Answer Tone (→page 150)"
  - "Volume / Tone" - "Key Received (→page 150)"
  - "Volume / Tone" - "Error (→page 151)"
  - "Communication" - "Communication Start Tone (→page 152)"
  - "Monitor" - "Monitored Notification Tone (→page 153)"

■ Audio RTP Transmission Interval [msec]

Description	Set the Audio RTP Transmission Interval.
Settings	20, 40, 60, 80, 100 msec
Default values	20msec

■ RTP Idle Detection Time [sec]♦

Description	Set the time to detect RTP idle state for Audio. When Audio RTP is not received during communication, monitoring, or receiving a page, connection will be disconnected after the set time.
Settings	10 - 180 sec (by 1 sec)
Default values	10 sec

2.6.1 SIP Channel

■RTP Start Port♦

Description	Set the range of port numbers to transmit and receive Audio RTP, such as communication between IX systems. Set the difference to 210 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65534
Default values	20000

■RTP End Port♦

Description	Set the range of port numbers to transmit and receive Audio RTP, such as communication between IX systems. Set the difference to 210 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65535
Default values	21000

2.6.2 ONVIF Transmit Channel

■RTP Start Port♦

Description	Set the range of port numbers to transmit Audio RTP using ONVIF. Set the difference to 10 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65534
Default values	22000

■RTP End Port♦

Description	Set the range of port numbers to transmit Audio RTP using ONVIF. Set the difference to 10 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65535
Default values	23000

2.6.3 Audio Buffer

■Packets Buffered at Audio Start

Description	Set the number of packets to accumulate before playing audio.
Settings	0 - 4
Default values	1

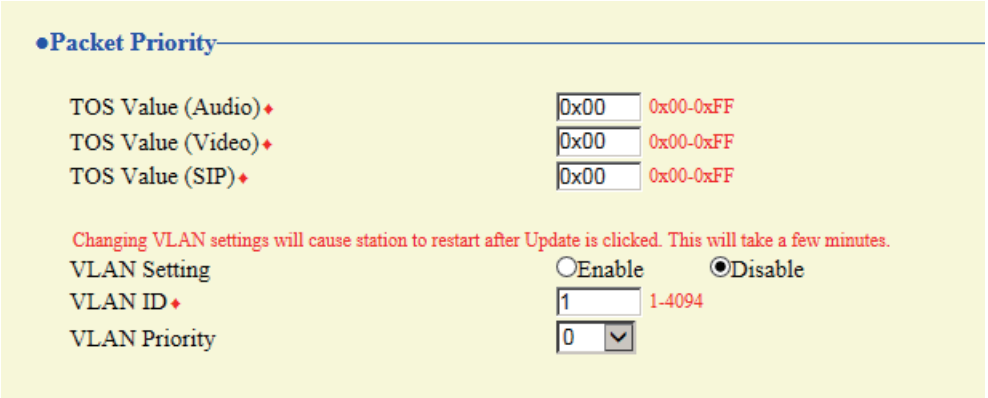
■Maximum Packets Buffered

Description	Set the maximum number of packets that can be accumulated. If a packet is received beyond the set value, it is removed from the oldest packet. It should be greater than the number of "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.



■ TOS Value (Audio)♦

Description	Set the Packet Priority (TOS Value) for Audio.
Settings	0x00 - 0xFF
Default values	0x00

■ TOS Value (Video) (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))♦

Description	Set the Packet Priority (TOS Value) for Video.
Settings	0x00 - 0xFF
Default values	0x00

■ TOS Value (SIP)♦

Description	Set the Packet Priority (TOS Value) for SIP.
Settings	0x00 - 0xFF
Default values	0x00

■ VLAN Setting

Description	Select Enable / Disable for tagged VLAN.
Settings	• Enable • Disable
Default values	Disable

Important

- When “VLAN Setting (→page 86)” is set to "Enable," ensure that the switches, PCs, and stations are all configured for VLAN operation.

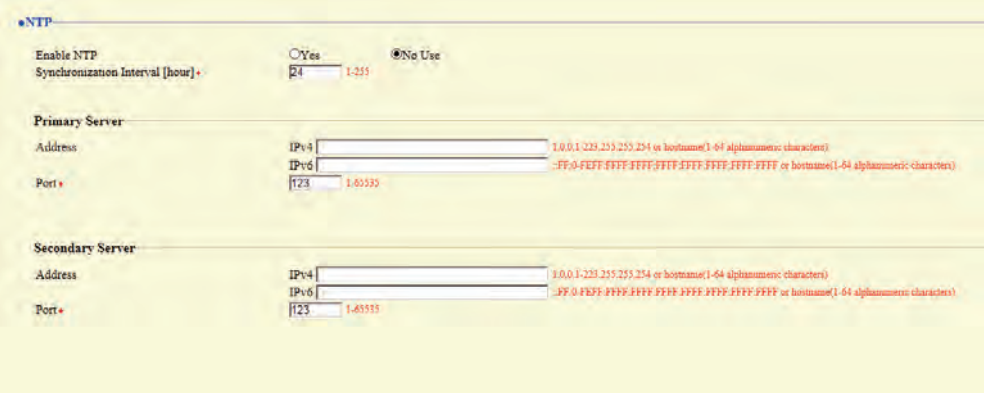
■VLAN ID♦

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

■VLAN Priority

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

2.8 NTP



2.8.1 Enable NTP

Description	Select Yes / No Use to synchronize the time with an NTP server.
Settings	• Yes • No Use
Default values	No Use

2.8.2 Synchronization Interval [hour]♦

Description	Configure the interval to synchronize with the NTP server.
Settings	1-255 hours (by 1 hour)
Default values	24hour

2.8.3 Primary Server

2.8.3.1 Address

■ IPv4

Description	Set the IPv4 Address for NTP Primary Server. Go to “DNS (→page 72)” to set hostname.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 Address for NTP Primary Server. Go to “DNS (→page 72)” to set hostname.
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 NTP.
Settings	1 - 65535
Default values	123

2.8.4 Secondary Server

2.8.4.1 Address

■ IPv4

Description	Set the IPv4 address for NTP Secondary Server. Go to “DNS (→page 72)” to set hostname.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 address for NTP Secondary Server. Go to “DNS (→page 72)” to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

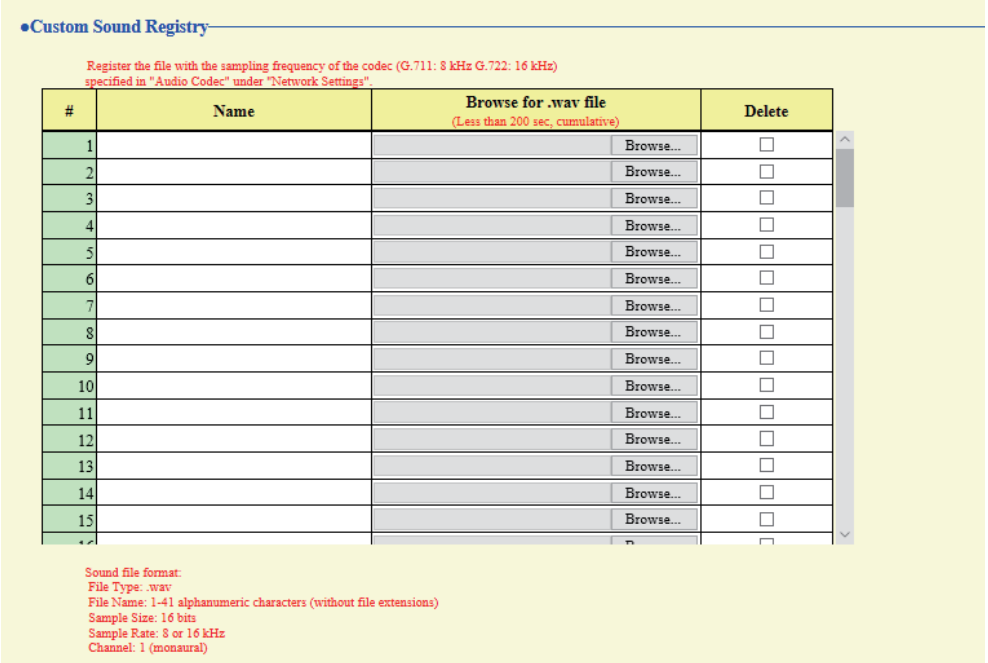
2.8.4.2 Port♦

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

3. System Information

3.1 Custom Sound Registry

Register a maximum of 100 audio files to be used for call acknowledged tones. (total length should not exceed approximately 200 seconds.)



■ 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. • Browse for .wav file: Total of 100 files, and total length within approximately 200 seconds. • File Name: 1-41 alphanumeric characters (without file extensions) • Sound file format: – File Type: .wav – Sample Size: 16 bits – Sample Rate: 8 or 16 kHz 8 kHz (when “Audio Codec (→page 83)” is "G.711 (μ-Law)" or "G.711 (A-Law)") 16 kHz (when “Audio Codec (→page 83)” 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 in which the file is to be registered.
2. Select the audio file to register, and click **[Open]**.
3. When done, click **[Update]**.

Note

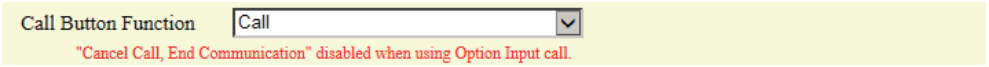
- When using this as a calling tone or ringtone, add a period of silence after the audio source.
- Sample files of custom sounds are provided on our website for download and use as audio sources.
  https://www.aiphone.net/support/software-documents/

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 Station Information



■ Call Button Function

Description	Select the Call Button Function when call button is pressed or contactless call sensor detects.
Settings	• Call: Outgoing call • Call, Cancel Call, End Communication: Outgoing call, Cancel outgoing call, End Communication • Call, Answer Call, End Communication: Outgoing call, Answer call or page, End communication
Default values	Call

Caution

If “Auto Answer (→page 103)” is set to "OFF," always set "Call Button Function" to "Call, Answer Call, End Communication." The call will not be received.

Note

• Contact input calls and communication switched from a contact input call cannot be ended by pressing the call button or contactless call sensor detects.

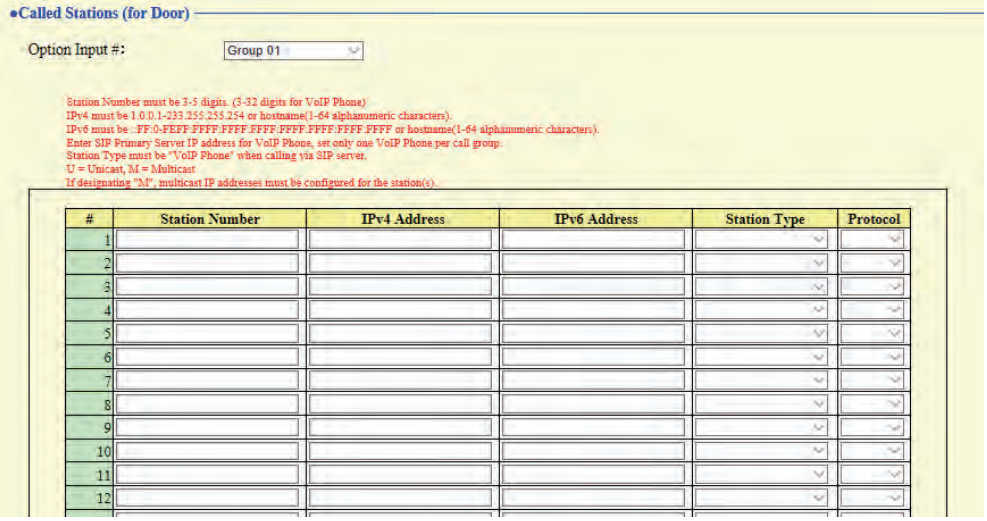
4.2 Called Stations (for Door)

Configure the group to call when a call is made using the call button or via contact input. Up to 20 stations can be configured in a single group, and up to 10 groups can be configured.
Any station other than IX-DA(-*), IX-BA, or IXW-MA can be registered as call recipient.

Important

• Do not register the same station more than once.

• Only one VoIP Phone can be registered to each group.



How to configure Called Stations (for Door)

1. Select the group number to configure from "Option Input #."
   • Settings for the selected group will be displayed.
2. Configure the stations to register to the group.
3. Click **[Update]**.

■ Station Number

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

■ IPv4 Address

Description	Set the IPv4 address of the station. Go to “DNS (→page 72)” to set hostname.
Settings	1.0.0.1-233.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6 Address

Description	Set the IPv6 address of the station. Go to “DNS (→page 72)” to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ Station Type:

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

■ Protocol (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))

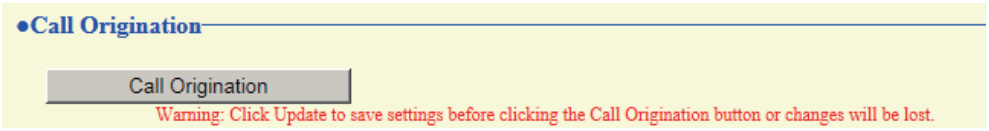
Description	Configure the protocol used for outgoing calls.
Settings	• U: The station will be registered in the call destination. An outgoing call is transmitted as unicast. • M: Station will be registered in the call destination. Video is transmitted as multicast for an outgoing call. This can be configured only when the destination station is IX-MV7-* or IX-MV.
Default values	—

Important

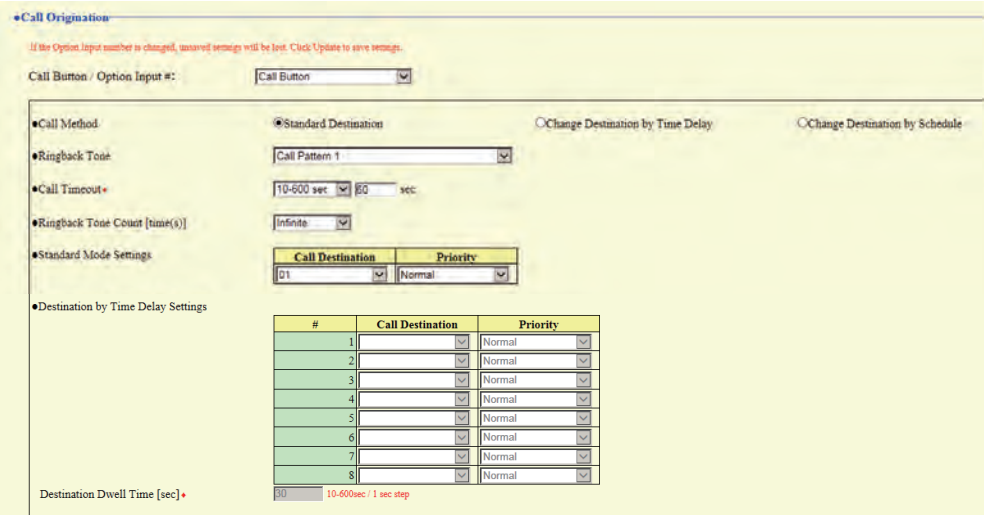
• If "M" is selected, be sure to configure “Multicast Address (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*)) (→page 77)”.

4.3 Call Origination

Click **[Call Origination]**.



Or, click "Call Origination" in the setting menu to switch to the Call Origination screen.



4.3.1 Call Origination Advanced Settings

How to configure advanced Call Origination settings

1. In "Call Button / Option Input #," select "Call Button," or "Option Input 1" - "Option Input 6."
   • Settings for the selected outgoing call method are displayed.
2. Configure the setting of each item.
3. Click **[Update]**.

■ Call Method

Description	Select the Call Method to change call destinations automatically by time delay or schedule. For details on how to configure the settings, refer to "Standard Mode Settings (→page 97)".
Settings	• Standard Destination: Do not change call destination automatically. • Change Destination by Time Delay: Change destination group from "Call Destination (→page 97)" after "Destination Dwell Time [sec] (→page 97)". Up to 8 groups can be used. • Change Destination by Schedule: Change destination group by "Schedule Settings (→page 98)".
Default values	Standard Destination

■ Ringback Tone

Description	Select the sound to be played by the station when placing a call.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Call Button: Call Pattern 1 Option Input 1: Call Pattern 2 Option Input 2: Call Pattern 3 Option Input 3: Call Pattern 4 Option Input 4: Call Pattern 5 Option Input 5: Call Pattern 6 Option Input 6: Tremolo Sound

■ Call Timeout♦

Description	Configure the Call Timeout for outgoing call.
Settings	• 10 - 600 sec: Select to set between 10-600 sec (by 1 sec) • Infinite: Keep calling until call is answered
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 configured on the IP-PBX.

■ Ringback Tone Count [time(s)]

Description	Set the play count of ringback tone for outgoing call.
Settings	• 1 - 20 times • Infinite: The ringback tone continues to play for the amount of time configured in “Call Timeout♦ (→page 96)”.
Default values	Infinite

4.3.1.1 Standard Mode Settings

Configure the call destination group number and call priority when “Call Method (→page 95)” is set to "Standard Destination".

■ Call Destination

Description	Set the call destination group number.
Settings	01 - 10
Default values	Call Button: 01 Option Input 1-5: — Option Input 6: 01

■ Priority

Description	Set the call priority.
Settings	• Normal • Priority • Urgent
Default values	• Call Button: Normal • Option Input 1-5: Normal • Option Input 6: Urgent

4.3.1.2 Destination by Time Delay Settings

Configure the call group number to switchover, switching time, and priority when “Call Method (→page 95)” is set to "Change Destination by Time Delay." Up to eight groups can be configured. Groups will be switched in order at each configured switchover time.

■ Call Destination

Description	Set the number of the call group to switchover.
Settings	01 - 10
Default values	—

■ Priority

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

■ Destination Dwell Time [sec]♦

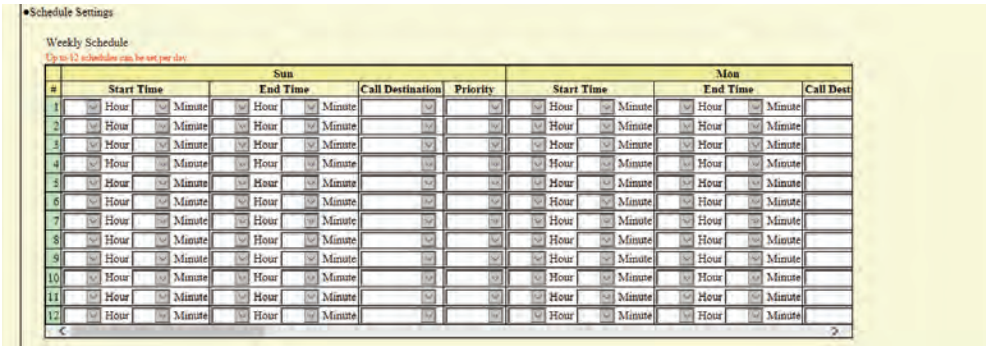
Description	Configure the delay time to change the call destination.
Settings	10-600sec / 1 sec step
Default values	30 sec

■ Schedule Settings

Configure when “Call Method (→page 95)” is set to "Change Destination by Schedule."

How to configure the Weekly Schedule

Configure the switchover time, call group number, and call priority for the outgoing call destination, each day from Sunday to Saturday. 12 schedules can be set for each day.



1. Configure the "Start Time," "End Time," "Call Destination," and "Priority" for each day of the week.
2. Click **[Update]**.

■ Start Time

Description	Configure the time to start changing the call destination.
Settings	00:00 - 23:59
Default values	—

■ End Time

Description	Configure the time to stop changing the call destination. If this is set earlier than “Start Time (→page 98)”, the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

■ Call Destination

Description	Configure the call destination to change within the schedule.
Settings	01 - 10
Default values	—

■ Priority

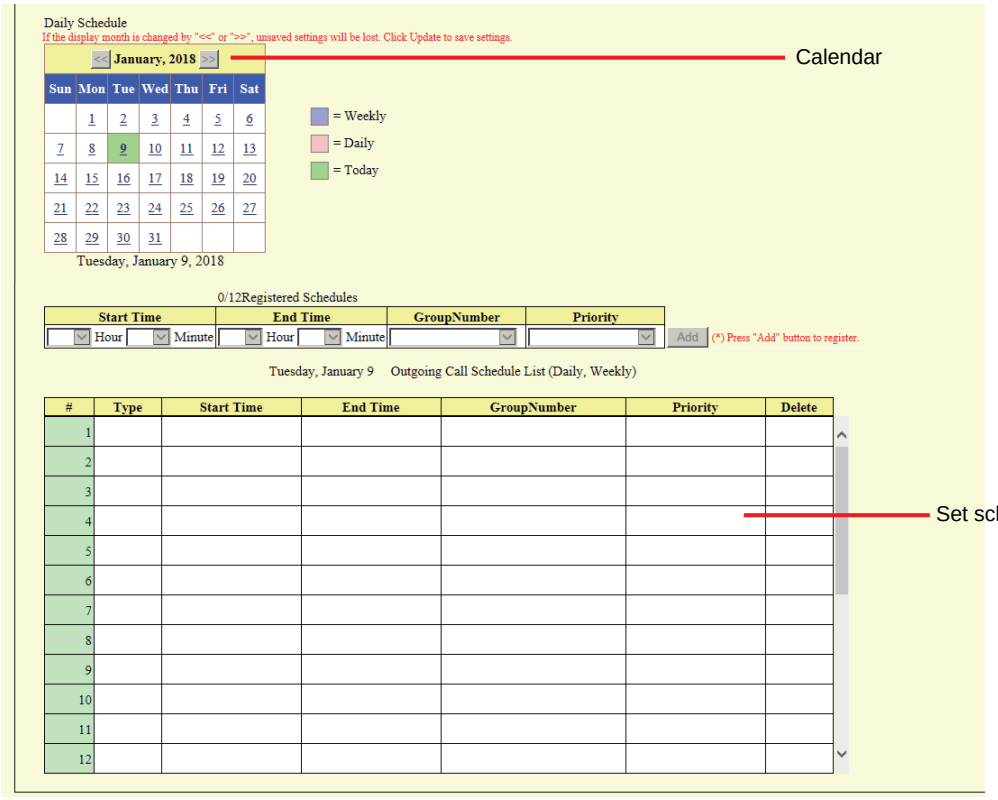
Description	Configure the priority of calls.
Settings	• Normal • Priority • Urgent
Default values	—

How to delete the Weekly Schedule

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

How to configure Daily Schedule

Configure the switchover time, call group number, and call priority for the outgoing call destination, in units of one day. A schedule one year from the set day can be configured. 12 schedules can be set for each day.



1. Select the day(s) to configure a schedule from "Calendar."
2. Configure "Start Time," "End Time," "Call Destination," and "Priority," and click **[Add]**.
3. Click **[Update]**.

■ Start Time

Description	Configure the time to start changing the call destination.
Settings	00:00 - 23:59
Default values	—

■ End Time

Description	Set the time to stop changing the call destination. If set earlier than "Start Time (→page 99)", the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

■ Call Destination

Description	Set the call destination to change within the schedule.
Settings	01 - 10
Default values	—

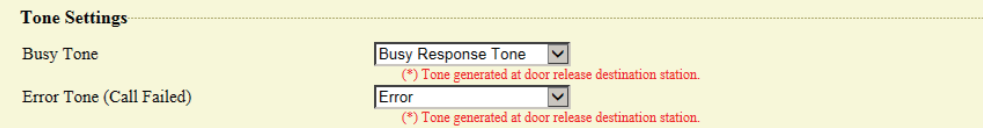
■ Priority

Description	Set the priority of calls.
Settings	• Normal • Priority • Urgent
Default values	—

How to delete Daily Schedule

1. Select the day 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 shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
   • Refer to “How to delete the Weekly Schedule (→page 98)” to delete weekly schedules.

4.3.2 Tone Settings



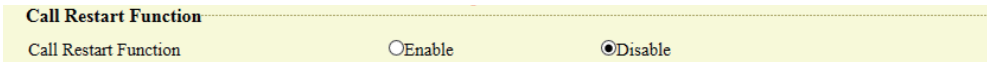
■ Busy Tone

Description	Select the sound to be played when call destination station is busy.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Busy Response Tone

■ Error Tone (Call Failed)

Description	Select the sound to be played when outgoing call has failed.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Error

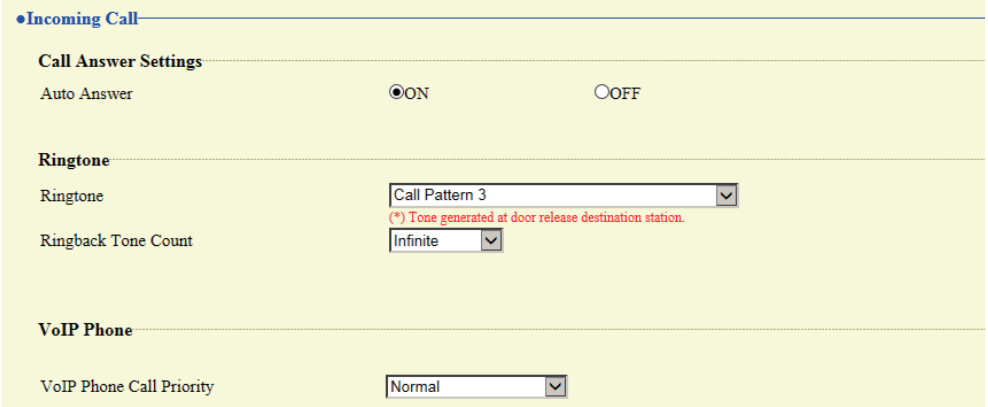
4.3.3 Call Restart Function



■ Call Restart Function

Description	Select Enable / Disable for Call Restart Function. Call Restart Function: When the station is reset during an outgoing call, the outgoing call will be resumed automatically up to 2 times.
Settings	• Enable • Disable
Default values	Disable

4.4 Incoming Call



4.4.1 Call Answer Settings

■ Auto Answer

Description	Select ON / OFF to automatically answer the individual call. Auto Answer: When receiving an individual call, answer automatically. When calls from VoIP phones and transferring a call, it must be answered manually.
Settings	• OFF: No Auto Answer. • ON: Auto Answer.
Default values	ON

4.4.2 Ringtone

■ Ringtone

Description	Select the ringtone to be played for incoming call.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Call Pattern 3

■ Ringback Tone Count [time(s)]

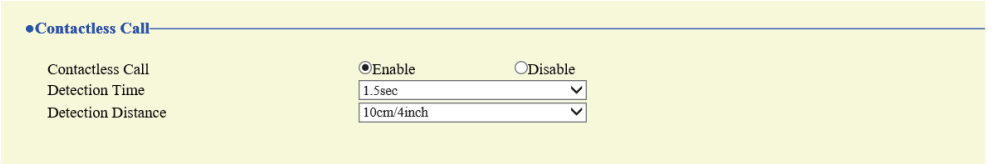
Description	Set the play count of ringtone for incoming call.
Settings	• Infinite: Keep ringing until the call is answered or canceled. • 1 - 20 times
Default values	Infinite

4.4.3 VoIP Phone

■ VoIP Phone Call Priority

Description	Select the call priority from VoIP Phone.
Settings	• Normal • Priority • Urgent
Default values	Normal

4.5 Contactless Call (for IX-DVM)



Important

- Environmental conditions such as the accumulation of rainwater, frost, snow, or dust on the unit may prevent calls from being made or place accidental calls.
- May prevent calls from being made or place accidental calls depending on the status of the detection target.

■ Contactless Call

Description	Select Enable / Disable for Contactless Call.
Settings	• Enable • Disable
Default values	Enable

■ Detection Time

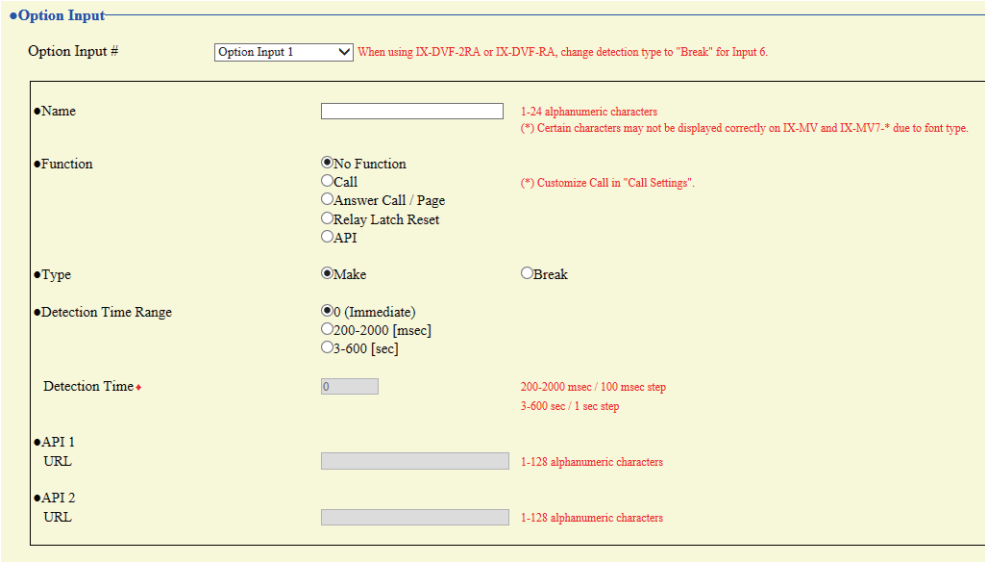
Description	Select the Detection Time.
Settings	• 0.5sec • 1.0sec • 1.5sec • 2.0sec • 2.5sec
Default values	0.5sec

■ Detection Distance

Description	Select the Detection Distance.
Settings	• 5cm/2inch • 7cm/2.8inch • 10cm/4inch • 12cm/4.7inch • 15cm/6inch
Default values	10cm/4inch

5. Option Input / Relay Output Settings

5.1 Option Input



5.1.1 Option Input Advanced Settings

Important

- Do not change the "Function," "Detection Time Range," or "Detection Time♦" settings for contact input 6 on IX-DVF-2RA, IX-DVF-RA, IX-SSA-2RA, or IX-SSA-RA.

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. Click **[Update]**.

■ Name

Description	Set the Name of the Option Input.
Settings	1-24 alphanumeric characters
Default values	—

■ Function

Description	Configure option input function.
Settings	• No Function • Call: Call to destination. Be sure to configure “Call Origination Advanced Settings (→page 95)” (outgoing call via option input 1 to 6). • Answer Call / Page: Answer incoming call or page. • Relay Latch Reset: Reset latch relay output using the option input. "Relay Latch Reset" is selected and "Latch Output" is selected in "Relay Output" - “Function (→page 109)”. • API: Send CGI command set by “API 1 (→page 107)” and “API 2 (→page 107)”.
Default values	No Function

■ Type

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

Important

• Set contact input 6 for IX-DVF-2RA, IX-DVF-RA, IX-SSA-2RA, or IX-SSA-RA to "Break."

■ Detection Time Range

Description	Select the Detection Time Range for Option 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	0 (Immediate)

■ API 1

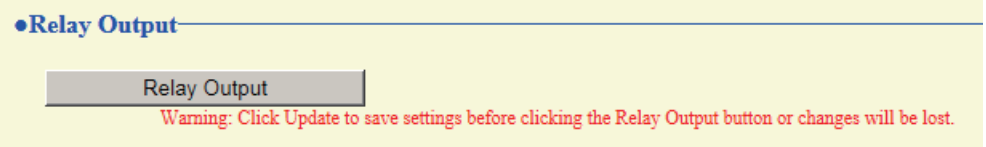
Description	Enter the CGI command to send when “Function (→page 107)” is set to "API."
Settings	URL: 1-128 alphanumeric characters
Default values	—

■ API 2

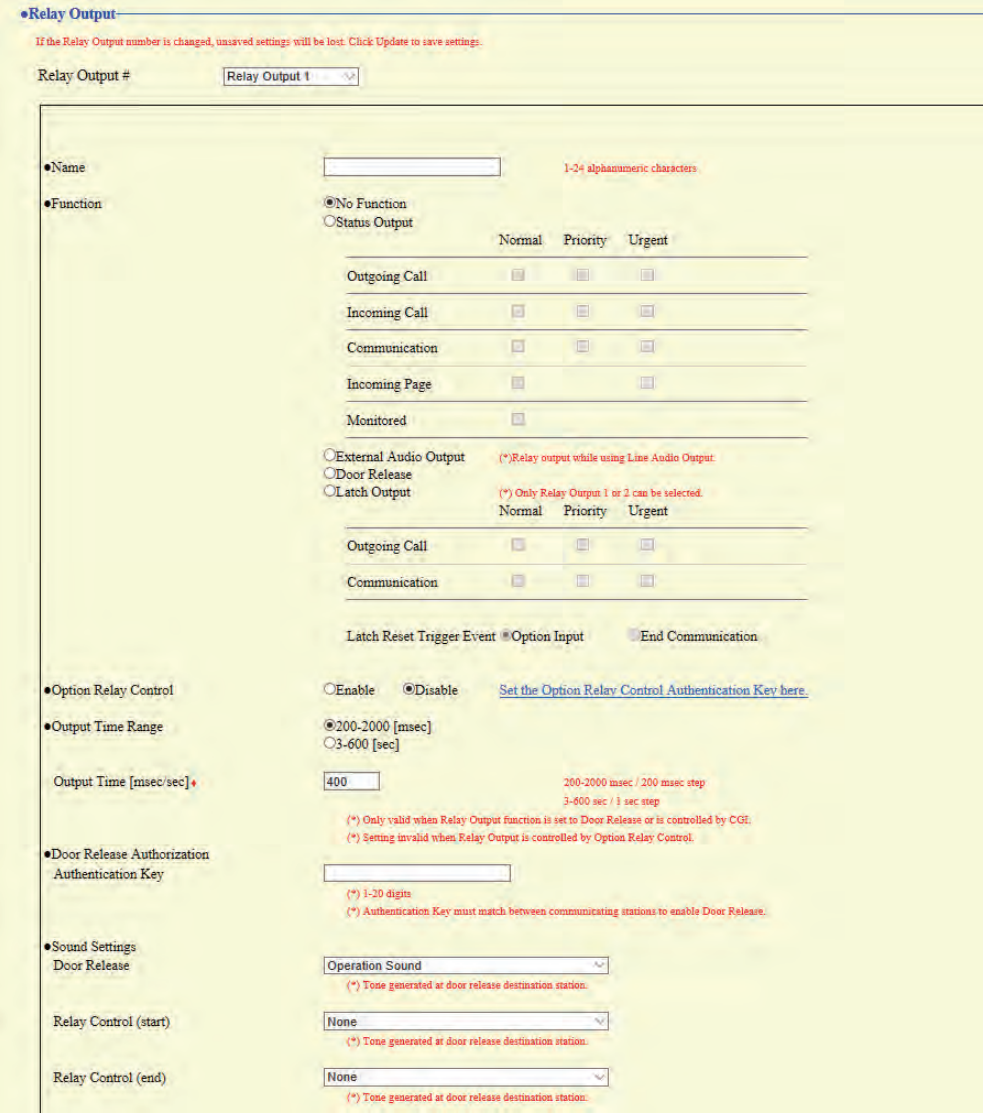
Description	Enter the CGI command to send when "API" is selected in “Function (→page 107)”.
Settings	URL: 1-128 alphanumeric characters
Default values	—

5.2 Relay Output

Click **[Relay Output]**.



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



Important

- The four relay output methods are shown below. Redundant configuration is possible for each relay output. If multiple commands occur during a single relay output, the last command will take priority.
  - Function selected in "Function (→page 109)"
  - "Option Relay Control (→page 110)"
  - "Schedule Settings (→page 112)"
  - "CGI (→page 125)"

5.2.1 Relay Output Advanced Settings

How to configure Relay Output

1. Select the relay output to configure in "Relay Output #."
   • The settings of the selected relay output will be displayed.
2. Configure each item.
3. Click **[Update]**.

■ Name

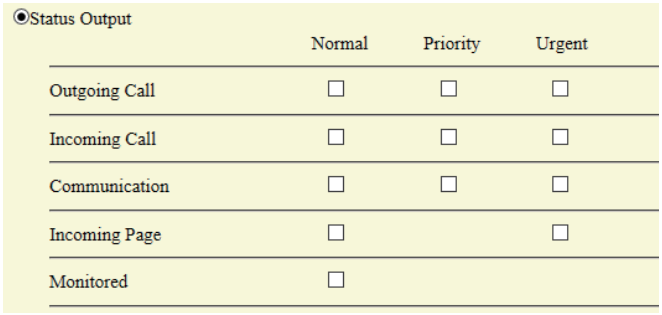
Description	Set the name of the Relay Output.
Settings	1-24 alphanumeric characters
Default values	—

■ Function

Description	Select the function of the Relay Output.
Settings	• No Function • Status Output: Relay Output during the status. The details setting can be set in "How to configure Status Output (→page 109)". • External Audio Output (except IX-DVM): Relay output during Line audio output. Ignore set "Output Time Range (→page 110)". • Door Release: Relay output when door release is activated or, entering the authentication key using keypad of the station or the VoIP Phone. Details are configured in "Output Time Range (→page 110)". • Latch Output: Latch relay output by event trigger. Continue to output until latch reset trigger input. Ignore set "Output Time Range (→page 110)". Configuration can be set in "How to configure Latch Output (→page 110)".
Default values	No Function

How to configure Status Output

If "Function (→page 109)" is set to "Status Output," select the operating state for when the relay output occurs. This can be selected for each operation priority (multiple selections allowed).



Note

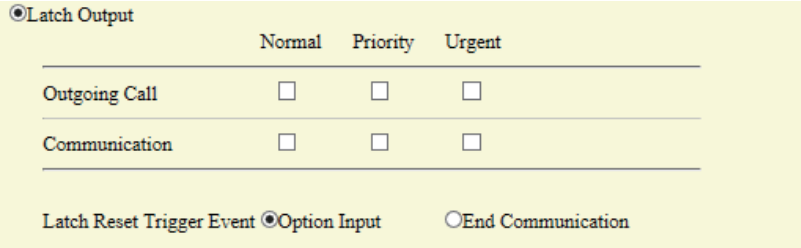
- For "Incoming Page," relay output is performed even during message paging and external input paging.
- For "Monitored," relay output is performed even during scan monitoring.

How to configure Latch Output

If “Function (→page 109)” is set to "Latch Output," select the station operating state for when the relay output occurs. This can be selected for each operation priority (multiple selections allowed).

Choose from two restoration methods for relay output.
- Option Input (default value): Reset Latch Output by the Option Input.
- End Communication: Reset Latch Output by ending communication or the option input.

All items are set to "Option Input" by default. To reset by Option Input, be sure to set "Option Input" - “Function (→page 107)” to "Relay Latch Reset."



■ Option Relay Control

Description	Select Enable / Disable for Option Relay Control when using the speed dial of IX-MV7-* to control the output. If set to "Enable," this can be controlled as optional relay. The output time will be the output time configured in IX-MV7-*.
Settings	• Enable • Disable
Default values	Disable

■ Output Time Range

Description	Select the Output Time Range for relay output if “Function (→page 109)” is set to "Door Release" or if the relay output is controlled via “CGI (→page 125)”.
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	Set the Authentication Key when "Door Release" is selected in “Function (→page 109)” for releasing the door that is connected to the station. When the "Authentication Key" is confirmed, the relay output will be activated. This will also be the Authentication Key used to release the door using the keypad on IX-MV7-* or VoIP Phone.
Settings	1 - 20 digits
Default values	—

Important

- Configure the Authentication Key using 1 to 4 digits to release when using the IX-MV.
- Configure an Authentication Key that is different from the Authentication Key configured in "Communication Audio Messages" and "Option Relay Control Authentication Key." If the setting value is the same, multiple functions might operate.

Note

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

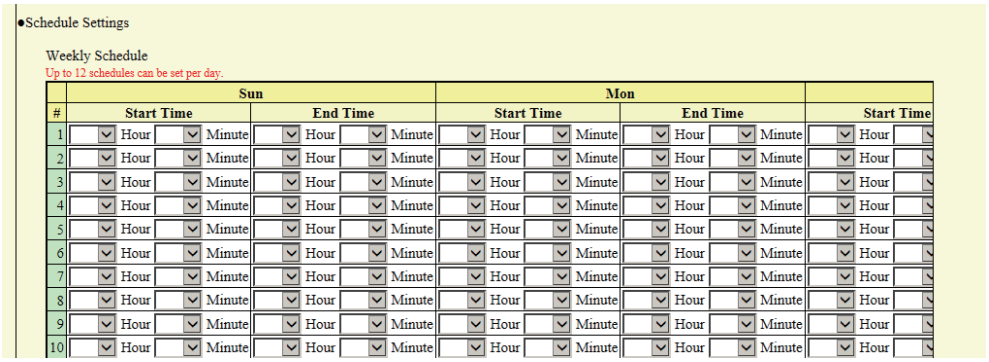
■ Sound Settings

Description	• Door Release: Select the Door Release sounds to be played. • Relay Control (start): Select the sound to be played when Option Relay is activated. • Relay Control (end): Select the sound to be played when Option Relay is deactivated.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
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 to perform relay output for each day of the week, from Sunday to Saturday. 12 schedules can be set for each day.



1. Configure the "Start Time" and "End Time" for each day of the week.
2. Click **[Update]**.

■ Start Time

Description	Set the time to start the relay output.
Settings	00:00 - 23:59
Default values	-

■ End Time

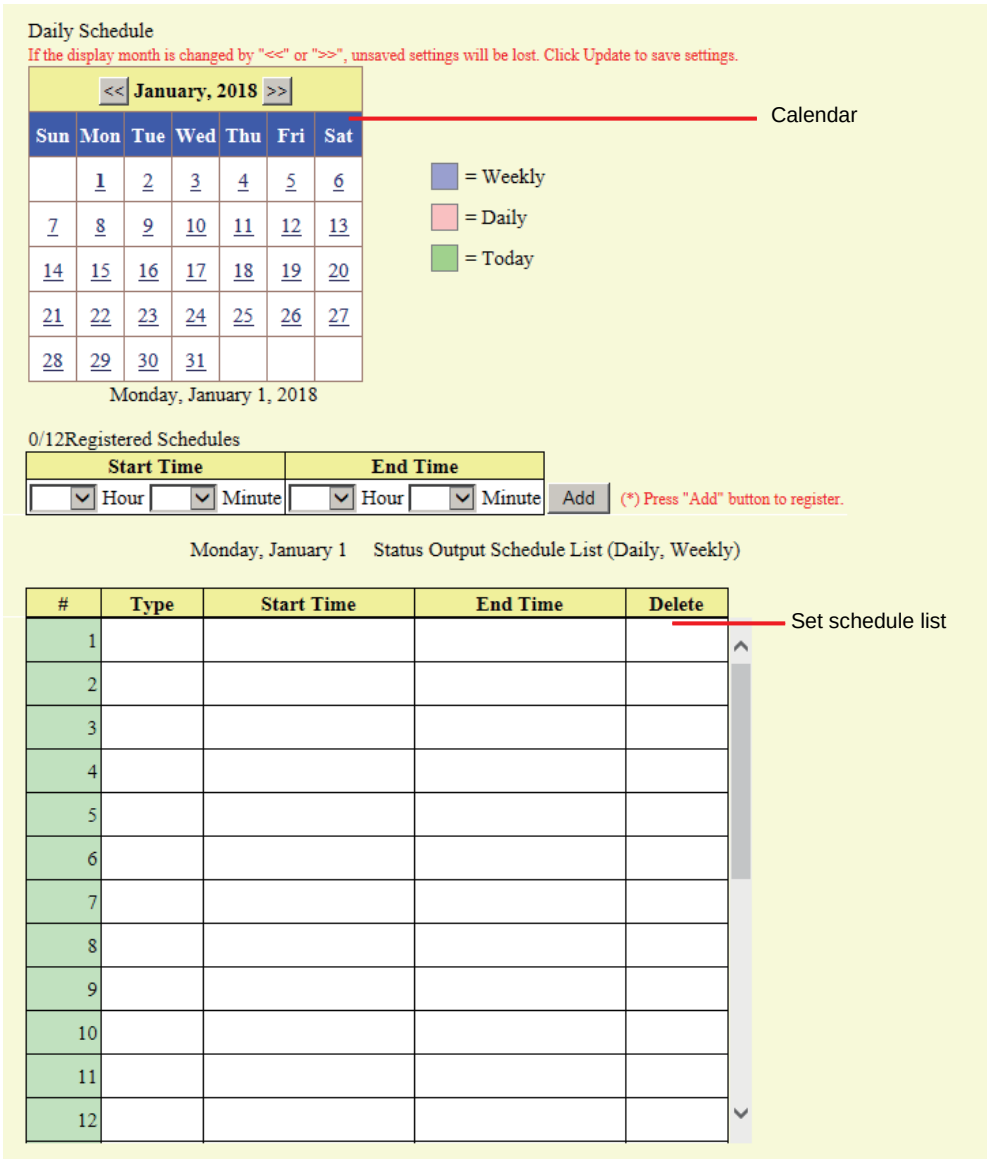
Description	Set the time to end the relay output. If set earlier than “Start Time (→page 112)”, the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the Weekly Schedule

1. Return settings to their default values, and 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.



1. Select the day to configure a schedule from "Calendar."
2. Configure the "Start Time" and "End Time," and click **[Add]**.
3. Click **[Update]**.

■ Start Time

Description	Set the time to start the relay output.
Settings	00:00 - 23:59
Default values	-

■ End Time

Description	Set the time to end the relay output. If set earlier than “Start Time (→page 113)”, the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	-

How to delete Daily Schedule

1. Select the day 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 shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
   • Refer to “How to delete the Weekly Schedule (→page 112)” to delete weekly schedules.

5.2.2 Option Relay Control Authentication Key

Description	If “Option Relay Control (→page 110)” is set to "Enable" and "Speed Dials / Favorites" - "TLS" is set to "Enable" on the requesting station, configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station performing the operation, the Relay Output can be controlled.
Settings	1 - 20 digits
Default values	—

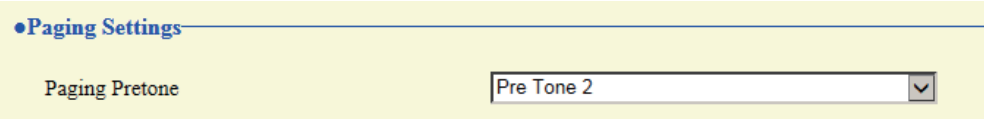
Note

• The "Option Relay Control Authentication Key" is displayed as "●●●●●" in the Settings window.

• Only one Option Relay Control Authentication Key can be set for each station. It will be shared with multiple Relay Output.

6. Function Settings

6.1 Paging Settings



■ Paging Pretone

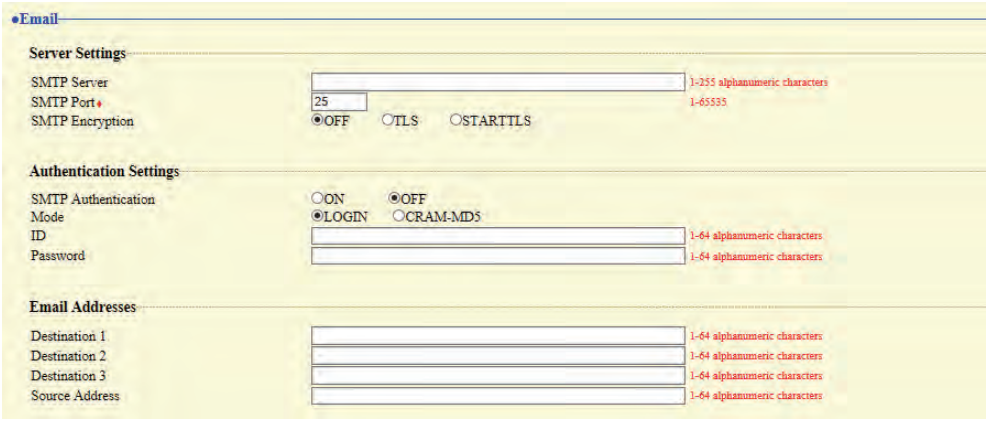
Description	Select the Paging Pretone.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Pre Tone 2

Important

• Configure a tone with a shorter duration than the paging pretone on the paging origination station. Configuring a longer tone might prevent the station from receiving audio when paging begins.

6.2 Email

Configure this section when email notification of station operation is required.



6.2.1 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	Set the port number for SMTP.
Settings	1 - 65535
Default values	25

■ SMTP Encryption

Description	Select the encryption type for SMTP.
Settings	• OFF • TLS • STARTTLS
Default values	OFF

6.2.2 Authentication Settings

■ SMTP Authentication

Description	Select ON / OFF for SMTP Authentication.
Settings	• ON • OFF
Default values	OFF

■ Mode

Description	Select 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" will be displayed as "●●●●●" in the Settings screen.

6.2.3 Email Addresses

■ Destination 1

Description	Set the destination email address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Destination 2

Description	Set the destination email address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Destination 3

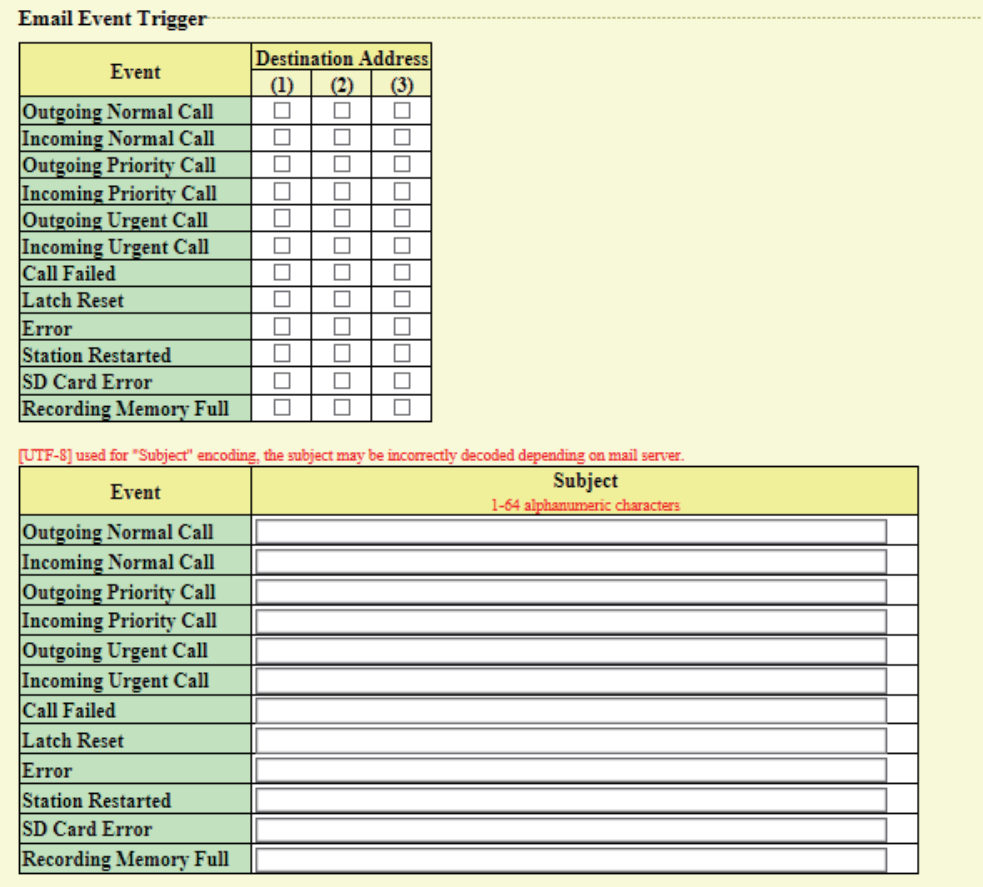
Description	Set the destination email address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Source Address

Description	Set the source email address.
Settings	1 - 64 alphanumeric characters
Default values	—

6.2.4 Email Event Trigger

Set up which event triggers will send an email message for each address.



■ Outgoing Normal Call

Description	Send email when an outgoing call is placed at "Normal" priority.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Incoming Normal Call

Description	Send email when an incoming call is received at "Normal" priority.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Outgoing Priority Call

Description	Send email when an outgoing call is placed at "Priority" priority.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Incoming Priority Call

Description	Send email when an incoming call is received at "Priority" priority.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Outgoing Urgent Call

Description	Send email when an outgoing call is placed at "Urgent" priority.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Incoming Urgent Call

Description	Send email when an incoming call is received at "Urgent" priority.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Call Failed

Description	Send email when outgoing call has failed.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Latch Reset

Description	Send email when reset latch relay output. ("Latch Output" is selected in "Relay Output" - “Function (→page 109)”.)
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Error

Description	Send email when a communication error has occurred.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Station Restarted

Description	Send email when the station has reset.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SD Card Error

Description	Send email when a microSD access error is detected. If the error is detected continuously, mail will not be sent an additional time.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Recording Memory Full

Description	Send email when a microSD card meets following criteria. If the error is detected continuously, mail will not be sent an additional time. • When “Prevent Overwrite (→page 135)” is set to "Enable" – Recorded recordings exceeds 950 – Storage capacity remaining 5% • When “Prevent Overwrite (→page 135)” is set to "Disable" – Recorded recordings exceeds 999 – Storage capacity remaining 0%
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

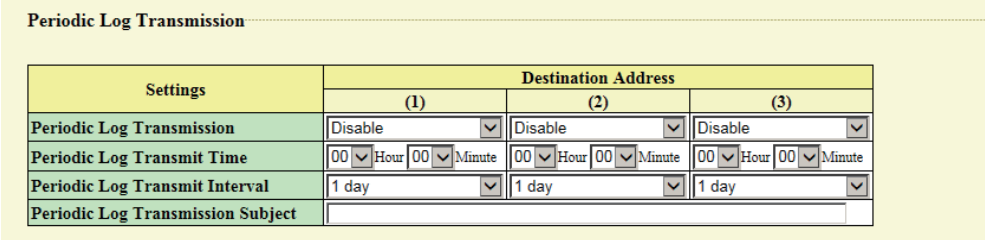
■ Subject

Description	Set the Subject of email per Event Trigger. This will be used for all destination addresses.
Settings	1 - 64 alphanumeric characters
Default values	—

Important

• "UTF-8" encoding is used for "Subject." Depending on the email client, the characters may appear incorrectly. To avoid this, set the encoding method to "UTF-8."

6.2.5 Periodic Log Transmission



■ Periodic Log Transmission

Description	Select Enable / Disable for send station log periodically.
Settings	• Enable • Disable
Default values	Disable

■ Periodic Log Transmit Time

Description	Set the time to send the periodic log.
Settings	From 00:00 to 23:59
Default values	00:00

■ Periodic Log Transmit Interval

Description	Select the interval to send the periodic log.
Settings	1 day - 7 days
Default values	1 day

■ Periodic Log Transmission Subject

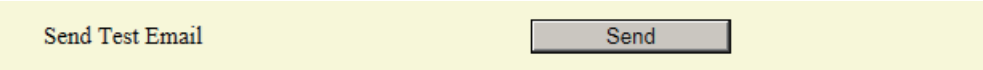
Description	Set the email subject for Periodic Log Transmission. This is used for all destination addresses.
Settings	1 - 64 alphanumeric characters
Default values	-

Important

- "UTF-8" encoding is used for "Periodic Log Transmission Subject." Depending on the email client, the characters may appear incorrectly. To avoid this, set the encoding method to "UTF-8."

6.2.6 Send Test Email

Send a test email to the destination address specified in “Email Addresses (→page 118)”.



How to send a test email

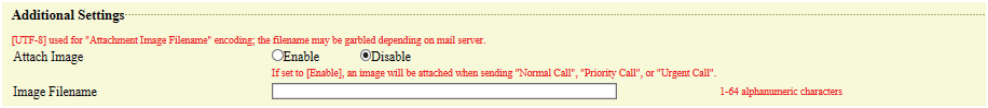
1. Click **[Send]**.
2. The following email is sent to the set email address.
   Example of sending an email message:
   When sending a test email from the station (Station Number: 003, Station Name: Door Station 3, Location: 2F West)

From	△△△△@△△△△△.com
Date and time	7:22 11/20/2018
To CC	xxxx@xxxxx.com
Subject	003 Door Station 3 Test Email
Text	Test Email sent at "20181120 07:21:40." Station Number: [003] Station Name: [Door Station 3] Station Location: [2F West]

Important

- "UTF-8" encoding is used for the "Subject" and "Image Filename." Depending on the email client, the characters may appear incorrectly. To avoid this, set the encoding method to "UTF-8."

6.2.7 Additional Settings (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))



■ Attach Image

Description	Select Enable / Disable to send an image with the email when "Outgoing Normal Call", "Outgoing Priority Call" and "Outgoing Urgent Call" is selected in “Email Event Trigger (→page 119)”.
Settings	• Enable • Disable
Default values	Disable

■ Image Filename

Description	Configure the filename of an image file when using "Attach Image."
Settings	1 - 64 alphanumeric characters
Default values	—

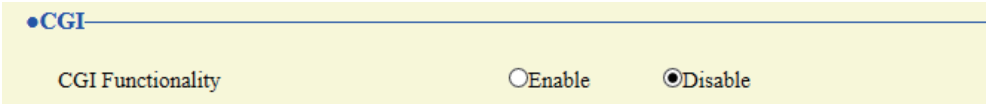
Important

- "UTF-8" encoding is used for "Image Filename." Depending on the email client, the characters may appear incorrectly. To avoid this, set the encoding method to "UTF-8."

6.3 CGI

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

6.3.1 CGI Functionality



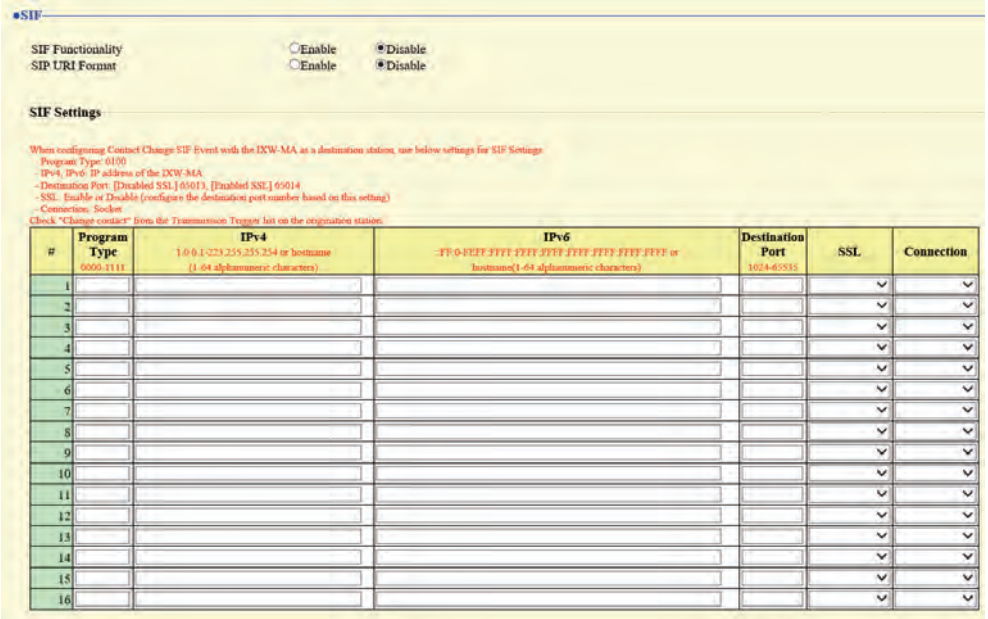
Description	Select Enable / Disable for CGI functionality.
Settings	• Enable • Disable
Default values	Disable

Important

• CGI controls may fail when multiple CGI commands are received.

6.4 SIF

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



6.4.1 SIF Functionality

Description	Select Enable / Disable for SIF functionality.
Settings	• Enable • Disable
Default values	Disable

6.4.2 SIP URI Format

Description	Select Enable / Disable when SIP URI Format is used for station destination. TERM ID cannot be used when SIP URI Format is selected.
Settings	• Enable • Disable
Default values	Disable

6.4.3 SIF Settings

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

Note

- There are two ways to configure SIF communication: manually configuring settings or uploading a file in “SIF Communication Settings (sif.ini) (→page 133)”. The latest setting will take priority.

■ Program Type

Description	Set the Program Type for SIF.
Settings	0000 - 1111 If this is set to "0000," "0001," or "0011," the “Transmission Trigger (→page 128)” setting will be disabled.
Default values	—

■ IPv4

Description	Set the SIF IPv4 destination address. Go to “DNS (→page 72)” to set Hostname.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the SIF IPv6 destination address. Go to “DNS (→page 72)” to set Hostname.
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 for destination.
Settings	1024 - 65535
Default values	—

■ SSL

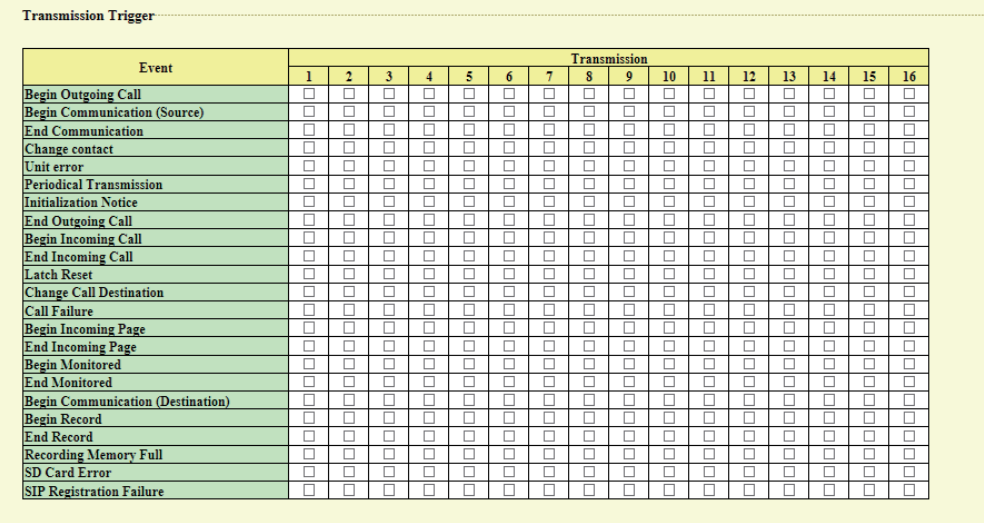
Description	Select Enable / Disable for SSL.
Settings	• Enable • Disable
Default values	-

■ Connection

Description	Select Socket / HTTP for connection.
Settings	• Socket • HTTP
Default values	-

6.4.4 Transmission Trigger

Configure the SIF sending trigger when “Program Type (→page 127)” is set to "0010" or "0100-1111."



Transmission Trigger

Event	Transmission															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Begin Outgoing Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Communication (Source)	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Communication	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Change contact	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Unit error	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Periodical Transmission	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Initialization Notice	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Outgoing Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Incoming Call	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Latch Reset	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Change Call Destination	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Call Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Incoming Page	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Incoming Page	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Monitored	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Monitored	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Communication (Destination)	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Begin Record	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
End Record	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Recording Memory Full	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
SD Card Error	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
SIP Registration Failure	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

■ Begin Outgoing Call

Description	Send SIF command when outgoing call is placed.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Source)

Description	Send SIF command when beginning communication.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Communication

Description	Send SIF command when ending communication.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Change contact

Description	Send SIF command when Option Input contact or Relay Output contact is changed.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Unit error

Description	Send SIF command when communication error has occurred.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Periodical Transmission

Description	Periodically send the station status using SIF command. The interval is set in “Periodical Transmission Interval (→page 132)”.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Initialization Notice

Description	Send SIF command when the station is booted.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Outgoing Call

Description	Send SIF command when ending an outgoing call.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Incoming Call

Description	Send SIF command when beginning an incoming call.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Incoming Call

Description	Send SIF command when ending an incoming call.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Latch Reset

Description	Send SIF command by reset latch relay output. ("Latch Output" is selected in "Relay Output" - “Function (→page 109)”)
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Change Call Destination

Description	Send SIF command when changing call destination by delay time or schedule, or making an absent transfer, delay transfer or schedule transfer by the destination station.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Call Failure

Description	Send SIF command when failed to place a call.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Incoming Page

Description	Send SIF command when beginning an incoming page, message page, or external input page.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Incoming Page

Description	Send SIF command when ending an incoming page, message page, or external input page.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Monitored

Description	Send SIF command when beginning monitoring.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Monitored

Description	Send SIF command when ending monitoring.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Destination)

Description	Send SIF command when communication begins.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Record

Description	Send SIF command when beginning recording.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Record

Description	Send SIF command when recording ends.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Recording Memory Full

Description	Send SIF command when a microSD card meets following criteria. If the error is detected continuously, SIF command will not be sent an additional time. • When “Prevent Overwrite (→page 135)” is set to "Enable" – Recorded recordings exceeds 950 – Storage capacity remaining 5% • When “Prevent Overwrite (→page 135)” is set to "Disable" – Recorded recordings exceeds 999 – Storage capacity remaining 0%
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SD Card Error

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

■ SIP Registration Failure

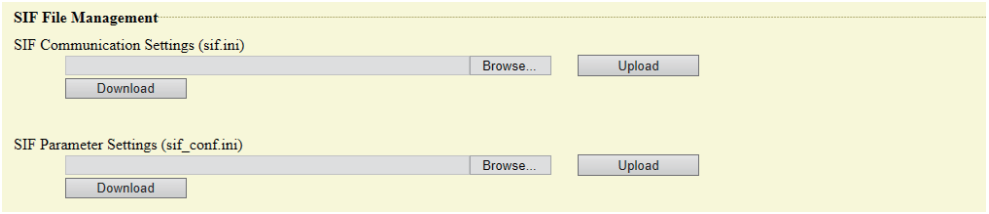
Description	Send SIF command when REGISTER request for SIP server has a failure.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

6.4.5 Periodical Transmission Interval

■ Periodical Transmission Interval♦

Description	Set the interval to send the station status periodically using SIF command in “Periodical Transmission (→page 129)”.
Settings	• 0 (Do not send) - 1440 (min) • 1 - 59 (sec): Enter 10001 - 10059 when setting 1 - 59 sec.
Default values	0 (do not send)

6.4.6 SIF File Management



■ SIF Communication Settings (sif.ini)

Description	Upload or download the content in “SIF Settings (→page 127)” with "sif.ini." • Upload: Click **[Browse]**, select a file, and then click **[Upload]**. • Download: Click **[Download]** to save the file.
Settings	—
Default values	—

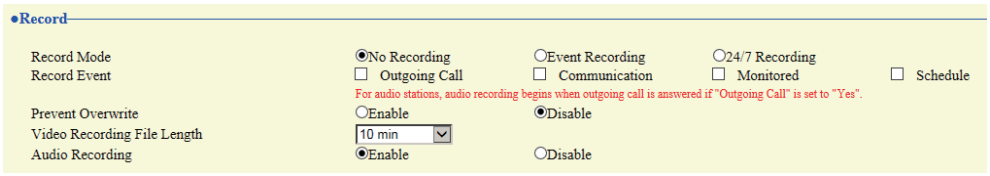
■ SIF Parameter Settings (sif_conf.ini)

Description	Use "sif_conf.ini" to upload or download SIF details if “Program Type (→page 127)” 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	—

6.5 Record

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

Standard	Storage Capacity	Format	Speed class
microSDHC memory cards	4 GB to 32 GB	FAT32	SD speed class 10



Important

- A microSD card is not included with this station. Select a microSD card that suits the usage environment such as temperature.
- 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.

Note

- A maximum of 999 video/audio files can be saved. However, this may vary depending on the size of the video/audio files and the capacity of the microSD card.
- Use a microSD card that has been formatted on a PC or the like.
- The microSD card has a limited life. Replace the microSD card regularly is recommended. Contact with the microSD card manufacturer for a guideline for when to replace the microSD card. Contact the microSD card manufacturer for replacement period of the microSD card.
- Aiphone assumes no responsibility for microSD cards.

■ Record Mode

Description	Configure the trigger in use to start recording video/audio automatically.
Settings	• No Recording • Event Recording: Automatically record when the trigger set in "Record Event" has occurred. • 24/7 Recording: Continuous recording while the station is operating normally.
Default values	No Recording

■ Record Event

Description	Configure the trigger to start recording video/audio when "Record Mode" is set to "Event Recording."
Settings	Several of the following may be selected. • Outgoing Call: Video recording will start when a call is placed. Audio recording will start once the outgoing call is answered. • Communication: Recording starts when communication begins. • Monitored: Recording starts when station is Monitored. Recording is not possible during Scan Monitor. • Schedule: Record during schedule set in “Schedule Settings (→page 136)”.
Default values	Not selected

Important

- Video/audio recording will continue for the time set in “Weekly Schedule (→page 136)”, regardless of what is configured for other triggers.

■ Prevent Overwrite

Description	Set prevent overwriting the old recorded file, 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	Select the recording file length to split recording. Once recording has reached this time, a new recording file will be created automatically.
Settings	• 5 min • 10 min • 20 min • 40 min • 60 min
Default values	10 min

Note

- If the Video Recording File Length is changed during recording video/audio, the setting will not be applied until the recording is completed.

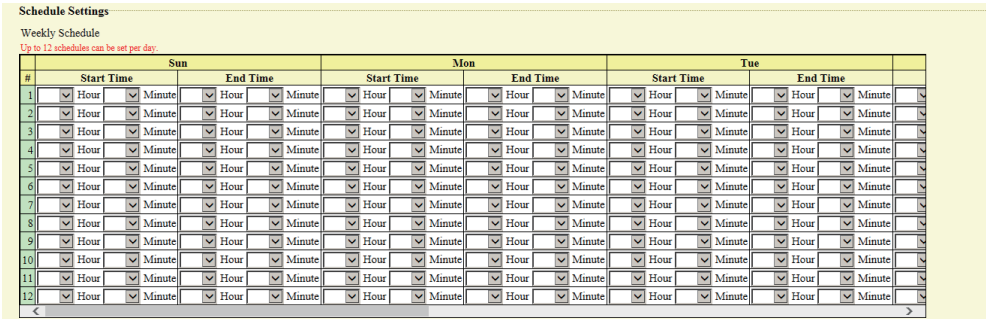
■ Audio Recording (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))

Description	Select Enable / Disable for audio recording with video.
Settings	• Enable • Disable
Default values	Enable

6.5.1 Schedule Settings

6.5.1.1 Weekly Schedule

Configure the video and audio recording time for each day from Sunday to Saturday. Up to 12 schedules can be set for each day.



How to configure the weekly schedule

1. Configure the "Start Time" and "End Time" for each day of the week.
2. Click **[Update]**.

■ Start Time

Description	Set the Start Time to begin recording.
Settings	00:00 - 23:59
Default values	-

■ End Time

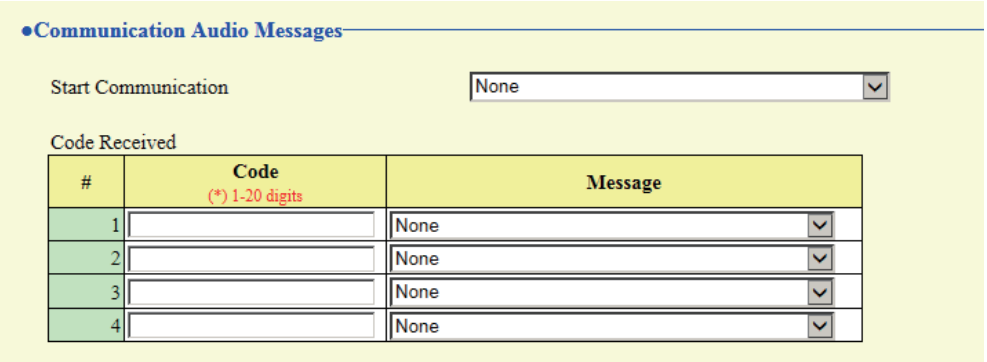
Description	Set the End Time to stop recording. If this is set earlier than “Start Time (→page 136)”, the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the weekly schedule

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

6.6 Communication Audio Messages

Configure the Communication Audio Messages.
Send messages to destination station when beginning communication or by keypad input from the other station (IX-MV7-* or VoIP Phone).



6.6.1 Start Communication

Description	Select the message to be sent to destination station when beginning communication.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

6.6.2 Code Received

Configure the message to be sent when the code is received. Four patterns can be set for the received code and message.

■ Code

Description	Set the code to play message by keypad input from IX-MV7-* or VoIP Phone.
Settings	1 - 20 digits
Default values	—

Note

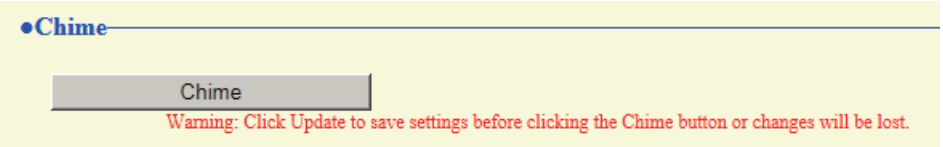
• The "Code" is displayed as "●●●●●" in the Settings screen.

■ Message

Description	Set the code to play message by keypad input from IX-MV7-* or VoIP Phone.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

6.7 Chime

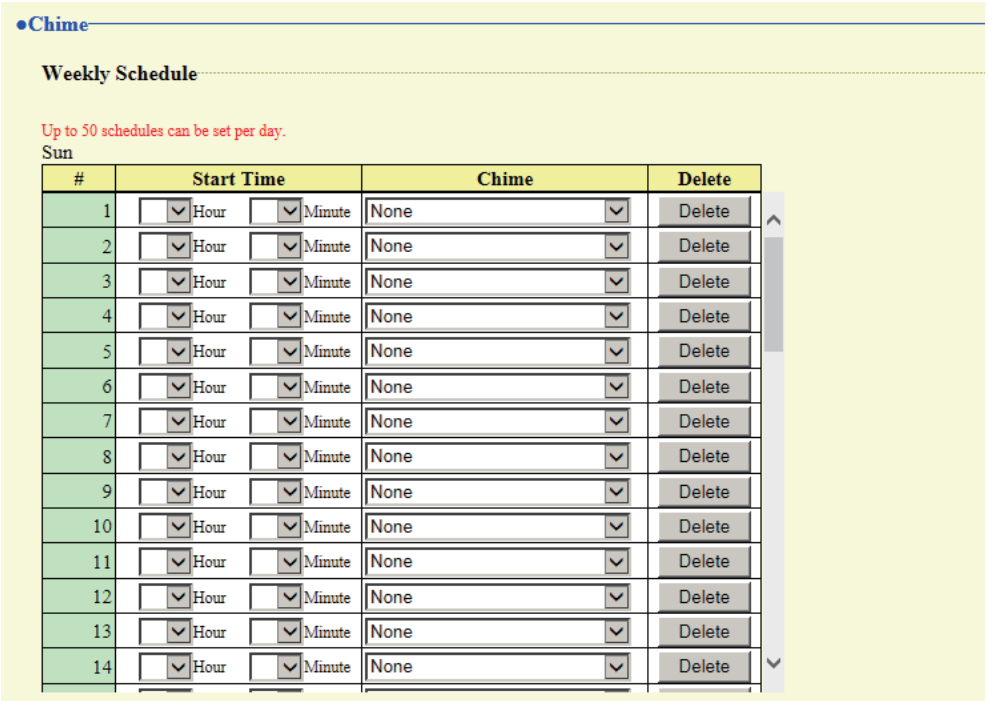
Configure the chime tone to be played from this station linked with the set schedule.
Click **[Chime]**.



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

6.7.1 Weekly Schedule

Configure the 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. Click **[Update]**.

■ Start Time

Description	Set the Time to ring Chime.
Settings	00:00 - 23:59
Default values	—

■ Chime

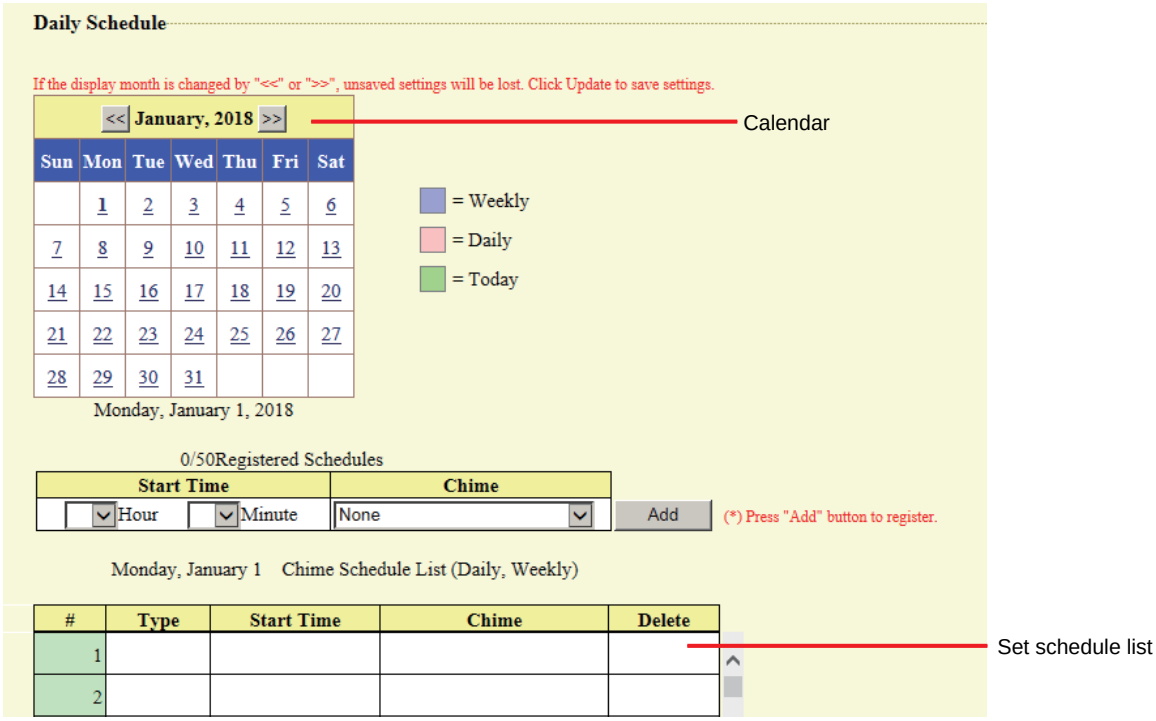
Description	Set the sound for chime.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

How to delete the Weekly Schedule

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

6.7.2 Daily Schedule

Configure the 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.



How to configure Daily Schedule

1. Select a day from "Calendar."
2. Configure the "Start Time" and "Chime," and click **[Add]**.
3. Click **[Update]**.

■ Start Time

Description	Set the Time to ring Chime.
Settings	00:00 - 23:59
Default values	—

■ Chime

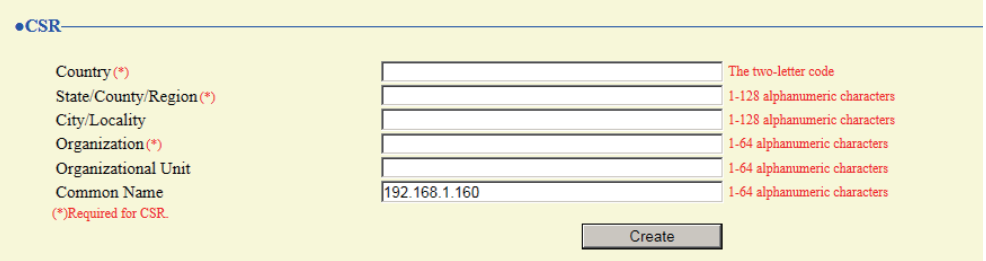
Description	Set the sound for chime.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

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 shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
   • Refer to “How to delete the Weekly Schedule (→page 140)” to delete a weekly schedule.

6.8 CSR

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



How to generate a signature request (CSR)

1. Enter each item.
2. Click **[Create]**.
3. Specify the save location and store your created file in it.
   • The default file name is "CSR." Change the file name if it is necessary.

■ Country

Description	Set the country name.
Settings	The two letter abbreviation
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

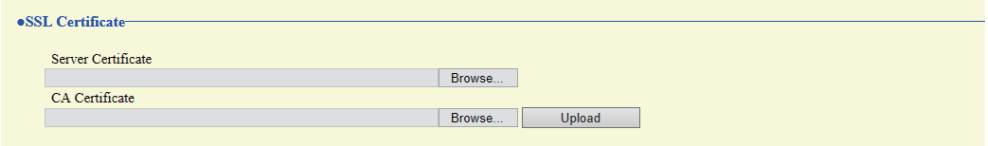
Description	Set the division name.
Settings	1-64 alphanumeric characters
Default values	-

■ Common Name

Description	Set the common name.
Settings	1-64 alphanumeric characters
Default values	The station's IP address is listed.

6.9 SSL Certificate

Upload the Server Certificate received from the Certificate Authority (CA) as well as the CA certificate.



Important

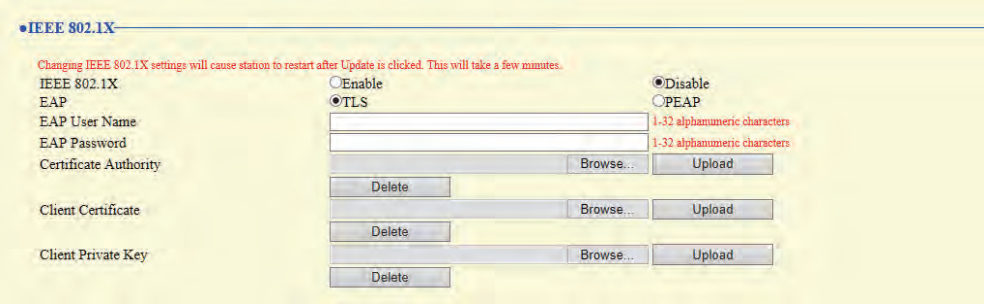
- When uploading the SSL certificate, restart the station. This may take approx. 10 minutes in total. The station will not function until complete.

How to upload an SSL Certificate

1. Click **[Browse]** in the Server Certificate to select a file.
2. Click **[Browse]** in the CA Certificate (if required) to select a file.
3. Click **[Upload]** to upload the server certificate and CA certificate.
   - When uploading is completed, the station will restart.

6.10 IEEE 802.1X

Configure the settings for IEEE 802.1X authentication.



Important

- When the "IEEE802.1X" setting is changed, the station 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	Select Enable / Disable for IEEE802.1X function.
Settings	• Enable • Disable
Default values	Disable

■ EAP

Description	Select the EAP method for IEEE802.1X authentication when “IEEE 802.1X (→page 146)” is set to "Enable".
Settings	• TLS • PEAP
Default values	TLS

■ EAP User Name

Description	Set the EAP User Name.
Settings	1 - 32 alphanumeric characters
Default values	—

■ EAP Password

Description	Set the EAP Password when "EAP" is set to "PEAP".
Settings	1 - 32 alphanumeric characters
Default values	—

Note

- The "EAP Password" is shown 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

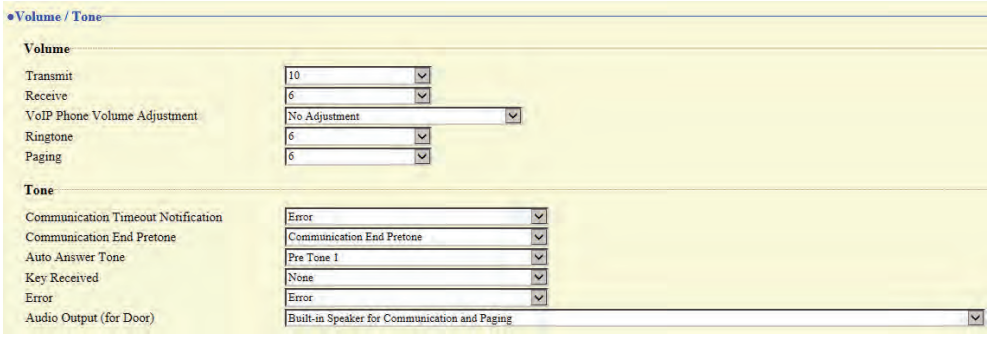
Description	Upload the certificate for client authentication if "EAP" is set to "TLS."
Settings	• Upload: Click **[Browse]**, select a file, and then click **[Upload]**. • Delete: Click **[Delete]** to delete registered data.
Default values	—

■ 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. Station Settings

7.1 Volume / Tone



7.1.1 Volume

■ Transmit

Description	Set the transmit volume while communicating and being monitored.
Settings	1 (Low) - 10 (High)
Default values	10

■ Receive

Description	Set the receive volume while communicating and paging (for IX-EA and IX-DVM). This sets the Ringback Tone volume, as well.
Settings	1 (Low) - 10 (High)
Default values	6 (except for IX-EA and IX-DVM)/10 (for IX-EA and IX-DVM)

■ VoIP Phone Volume Adjustment

Description	Select the volume adjustment between VoIP Phone and IX stations.
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	Select the volume for Ringtone and Paging Pretone.
Settings	0 (Off), 1 (Low) - 10 (High)
Default values	6 (except for IX-EA and IX-DVM)/10 (for IX-EA and IX-DVM)

■ Paging (except IX-EA and IX-DVM)

Description	Set the volume while receiving page.
Settings	1 (Low) - 10 (High)
Default values	6

7.1.2 Tone

■ Communication Timeout Notification

Description	Select the tone to be played when an outgoing call times out.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Error

■ Communication End Pretone

Description	Select the tone to be played 10 sec before communication, paging or monitoring ends.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Communication End Pretone

■ Auto Answer Tone

Description	Ringtone when receiving an individual call. “Auto Answer (→page 103)” must be set to "ON."
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Pre Tone 1

■ Key Received

Description	Configure the tone to send to the destination station when the door release key entered using a keypad on the destination station (station performing a door release operation) matches the authentication key of this station(station connected to the electrical lock). 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 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

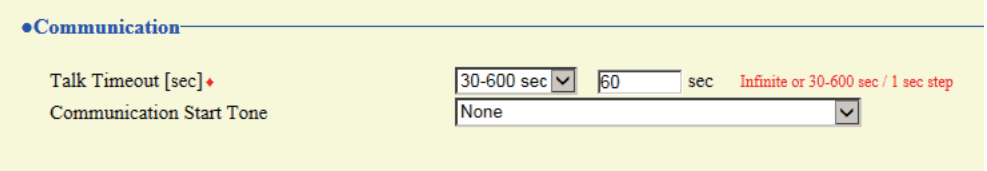
■ Error

Description	Select the tone to be played when error has occurred.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	Error

■ Audio Output (for Door) (except IX-DVM)

Description	Set using Line Audio / External Speaker or Built-in Speaker while communicating and paging.
Settings	• Built-in Speaker for Communication and Paging • Line Audio Output for Communication and Paging • Built-in Speaker for Communication, Line Audio Output for Paging
Default values	Built-in Speaker for Communication and Paging

7.2 Communication



■ Talk Timeout [sec]♦

Description	Set the communication timer when placing a call or answering a page. Communication timer when receiving a call is set at the destination station.
Settings	• Infinite: No timeout. • 30 - 600 sec: Configure between 30 to 600 sec (by 1 sec).
Default values	60 sec

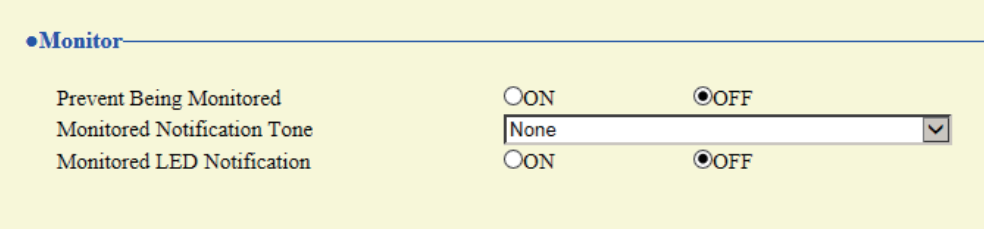
Important

• During a communication with a VoIP Phone, this will be the call duration configured on the VoIP Phone.

■ Communication Start Tone

Description	Select the tone to be played when communication starts.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • 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 a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

7.3 Monitor



■ Prevent Being Monitored

Description	Select ON / OFF to prevent being monitored.
Settings	• OFF: Prevent being monitored. • ON: Allow monitoring.
Default values	OFF

■ Monitored Notification Tone

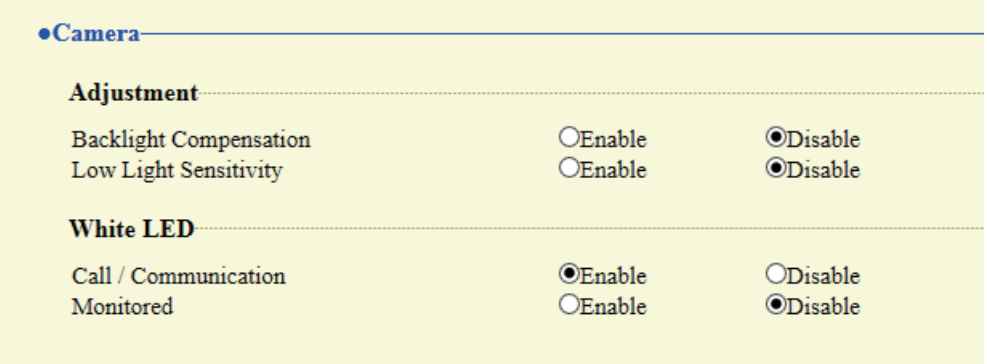
Description	Select the tone to be played when monitored by another station.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Call Pattern 7 (for IX-EA and IX-DVM) • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 90)”.
Default values	None

■ Monitored LED Notification

Description	Select ON / OFF for status LED notification (Blue flashing) while being monitored by another station.
Settings	• ON • OFF
Default values	OFF

7.4 Camera (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*))

Configure the settings for the camera.



7.4.1 Adjustment

■ Backlight Compensation

Description	During an outgoing call or monitoring, video with backlight compensation adjustment will be sent to the destination station. The adjustment can be removed through operation by the destination station.
Settings	• Enable • Disable
Default values	Disable

■ Low Light Sensitivity

Description	Send an image that low light sensitivity compensation was performed to the other station, when an outgoing call is made or the station is being monitored and the area around the other station is dark (such as at night). The compensation can be removed on the other station.
Settings	• Enable • Disable
Default values	Disable

7.4.2 White LED

■ Call / Communication

Description	Select Enable / Disable for white LED while calling or communicating in low light situation.
Settings	• Enable • Disable
Default values	Enable

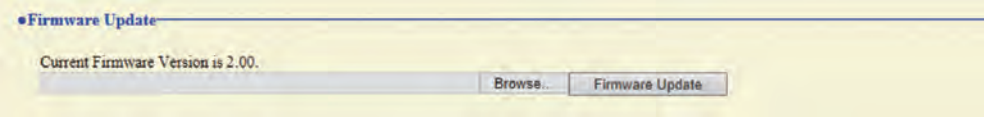
■ Monitored

Description	Select Enable / Disable for white LED while being monitored in low light situation.
Settings	• Enable • Disable
Default values	Disable

8. Maintenance

8.1 Firmware Update

Update the firmware. When updating stations older than Ver.5.10, use the Firmware Upgrade Tool to upgrade the firmware to the latest version. Please obtain the latest firmware and Firmware Upgrade Tool from our website.
https://www.aiphone.net/support/software-documents/



How to update the firmware

1. Click **[Browse]** and select the firmware file to download.
2. Click **[Firmware Update]**.

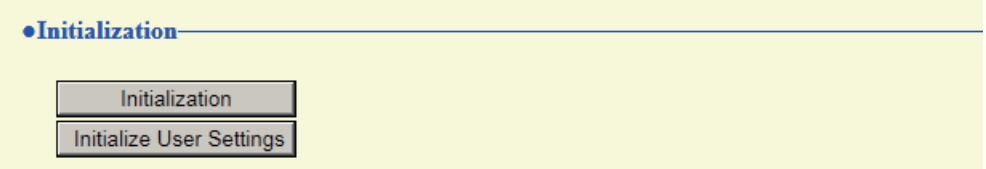
Important

- 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.
- Once the firmware is updated, the station will restart. In some cases, it may take around 10 minutes for the station to restart.

Note

- If the update fails, repeat the procedure.

8.2 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 will be cleared.
   - Initialize User Settings: Only user settings are initialized.
2. Click **[OK]**.
   - Click **[Cancel]** to cancel the initialization.

Important

- After selecting "**[Initialization]**", the station will restart. This may take approx. 10 minutes in total. The station will not operate until the restart is complete.
- If the initialization process fails, the message ("Error: Station initialization failed.") will appear. If this happens, perform initialization again.

8.3 Settings File Backup

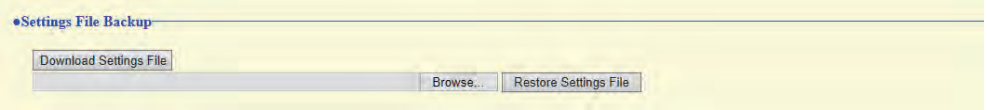
Back up the setting file so it can be used to restore the system.

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. Save them separately from setting file.
  - Sound data registered in "Custom Sound Registry (→page 90)"
  - SIF data uploaded in "SIF (→page 126)"
  - Certificate data uploaded in "SSL Certificate (→page 145)"
  - Certificate and other data uploaded in "IEEE 802.1X (→page 146)"

1. Click **[Download Settings File]**.



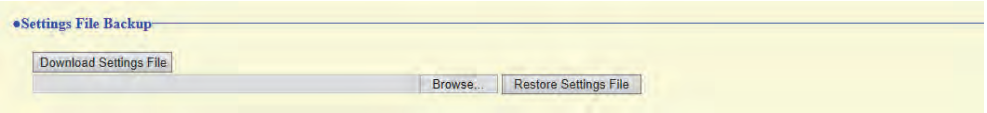
2. Specify the location to store the setting file.
   - The default file name is "GetConfig." Change the file name if needed.

How to restore setting file

Important

- When setting data is restored (including updating the IP address), the station will restart. This may take approx. 10 minutes in total.
- Data for the following items cannot be restored using this procedure. Instead, upload from each item.
  - Audio source data registered in "Custom Sound Registry (→page 90)"
  - SIF data uploaded in "SIF (→page 126)"
  - Certificate data uploaded in "SSL Certificate (→page 145)"
  - Certificate data and the like uploaded in "IEEE 802.1X (→page 146)"

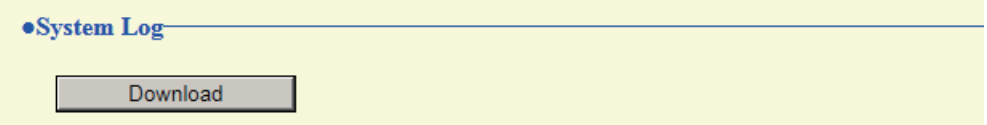
1. Click **[Browse]**.



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.

8.4 System Log

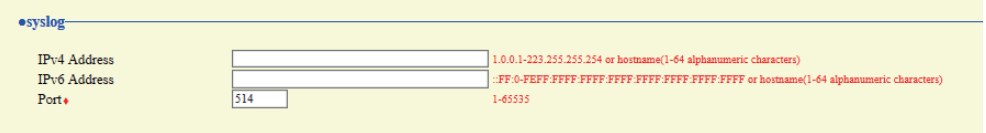
Download the system log to view the operation of the station. The log is mainly used for troubleshooting.



How to view the system log

1. Click **[Download]**.
2. Specify the storage location to save the system log.
   - The default file name is "systemlog.txt." Change the file name if needed.

8.5 syslog



■IPv4 Address

Description	Set the IPv4 address for syslog server.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■IPv6 Address

Description	Set the IPv6 address for syslog server.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

■Port♦

Description	Set the port number of syslog server.
Settings	1-65535
Default values	514

8.6 Contactless Call(Calibration) (for IX-DVM)

■ Calibration Pattern

Description	Calibration Pattern "3" is the recommended setting. Change only if Contactless Call does not function properly.
Settings	1-5
Default values	3

Important

- If “Calibration Pattern (→page 160)” is set to other than "3", a call may not be placed or a call may be placed unexpectedly.

9. Viewing video from IX-EA, IX-DVM, IX-DV, or IX-DVF(-*) with 3rd party products (ONVIF)

IX-EA, IX-DVM, IX-DV, and IX-DVF(-*) are compatible with the "ONVIF profile S" ONVIF interface standard.
Video from IX-EA, IX-DVM, IX-DV, and IX-DVF(-*) cameras can be viewed on 3rd party products compatible with ONVIF specifications.

Important

- Video from IX-EA, IX-DVM, IX-DV, or IX-DVF(-*) cameras cannot be viewed simultaneously by more than two 3rd party products.
- Audio will not be distributed if “Audio Codec (→page 83)” is set to "G.722."
- The "ONVIF ID" and "ONVIF Password" may be changed by the 3rd party product.

■ Configuring IX-EA, IX-DVM, IX-DV and IX-DVF video for 3rd party integration

1. Set “Second Video Encoder (→page 80)” for "Enable."

2. Configure advanced video and audio settings.
   - Configure video in “ONVIF Transmit Channel (→page 80)”, and audio in “RTP Start Port♦ (→page 85)” and “RTP End Port♦ (→page 85)”.

3. Register IX-EA, IX-DVM, IX-DV, and IX-DVF(-*) on the 3rd party product.
   - Enter the following as required.
     – ONVIF ID: Configure in “ONVIF ID (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*)) (→page 64)”
     – ONVIF Password: Configure in “ONVIF Password (for IX-EA, IX-DVM, IX-DV and IX-DVF(-*)) (→page 64)”
     – ONVIF port number: 10080
     – RTSP ID: Configure in “RTSP ID (→page 65)”
     – RTSP Password : Configure in “RTSP Password (→page 65)”
     – RTSP port number: 554
   - For how to register, refer to the instruction manual of the 3rd party product.

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