AIPHONE

IX System

IP network-compatible intercom

Video Door Station
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 1.00 or later

Important

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

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Introduction

This manual describes how to set up IX-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

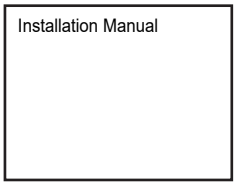
The following symbols identify important information concerning operational procedures.

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

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

2. Product manuals

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

<table>
<tr><td> 
</td><td>Installation Manual (comes with each station.)
Refer to this when you install and connect a station. (This manual is for the installer.)</td></tr>
<tr><td rowspan="5">The manuals listed to the right can be found on our Web site at https://www.aiphone.net/product/support/ for download and reference.</td><td>IX Support Tool Setting Manual (Electronic format (PDF file).)
Describes how to configure and maintain the system using IX Support Tool. (For system administrator)</td></tr>
<tr><td>Monitoring Software (IX Supervision Tool) Operation Manual (Electronic format (PDF file).)
Describes how to use the Monitoring Software. (For system administrator)</td></tr>
<tr><td>Operation Manual (Electronic format (PDF file).)
Describes how to use each station. (For user)</td></tr>
<tr><td>Web Setting Manual (Electronic format (PDF file).)
Describes how to set up each station through a Web browser. (For system administrator)</td></tr>
<tr><td>Installation Manual (Electronic format (PDF file).)
Describes how to install each station. (For installer)</td></tr>
</table>

3. Configuring the system

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

(1) Configure using the "IX Support Tool" application
- Install the application on a PC and use to create the setting file for all stations.
- You can search for IX systems on the network from a PC, and then assign and upload created setting files to selected stations.

(2) Configure each station through a Web browser (Web configuration)
- Access each station through a Web browser and enter setting data.
- When configuring a station without using the dedicated application, settings must be input and setting data must be stored for each station.

Important

- When first configuring a station through a Web browser, you may be unable to transfer data to the IX Support Tool. We recommend using the IX Support Tool to configure settings the first time.
- If Web configuration is used to change the "Identification" "Number♦♣ (→page 60)", "ID and Password" "Administrator ID♦♣ (→page 61)" "Administrator Password♦♣ (→page 61)", "IPv4 Address" "IP Address♦♣ (→page 67)", and "IPv6 Address" "IP Address♦♣ (→page 67)" and "Called Stations (for Door)♣ (→page 87)" configured using the IX Support Tool, it will not be applied to the IX Support Tool data.

4. Flowcharts for configuring the system

When configuring the system through a browser, follow the flowchart that fits the application. Save the setting file after configuring the system. Refer to "Settings File Backup (→page 153)" 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 153)".
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.1.1 Create new data

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

1. Connect your PC to the station to be configured.
The default IP addresses of the stations are identical. Connect one at a time.
"Connecting to a PC (→page 44)"

↓

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 45)"

↓

3. First, configure "Language (→page 63)".
Click **[Update]** to update the settings.

↓

4. Configure the station.
Configure according to the explanations for each entry."Configuring the Station (→page 59)"

↓

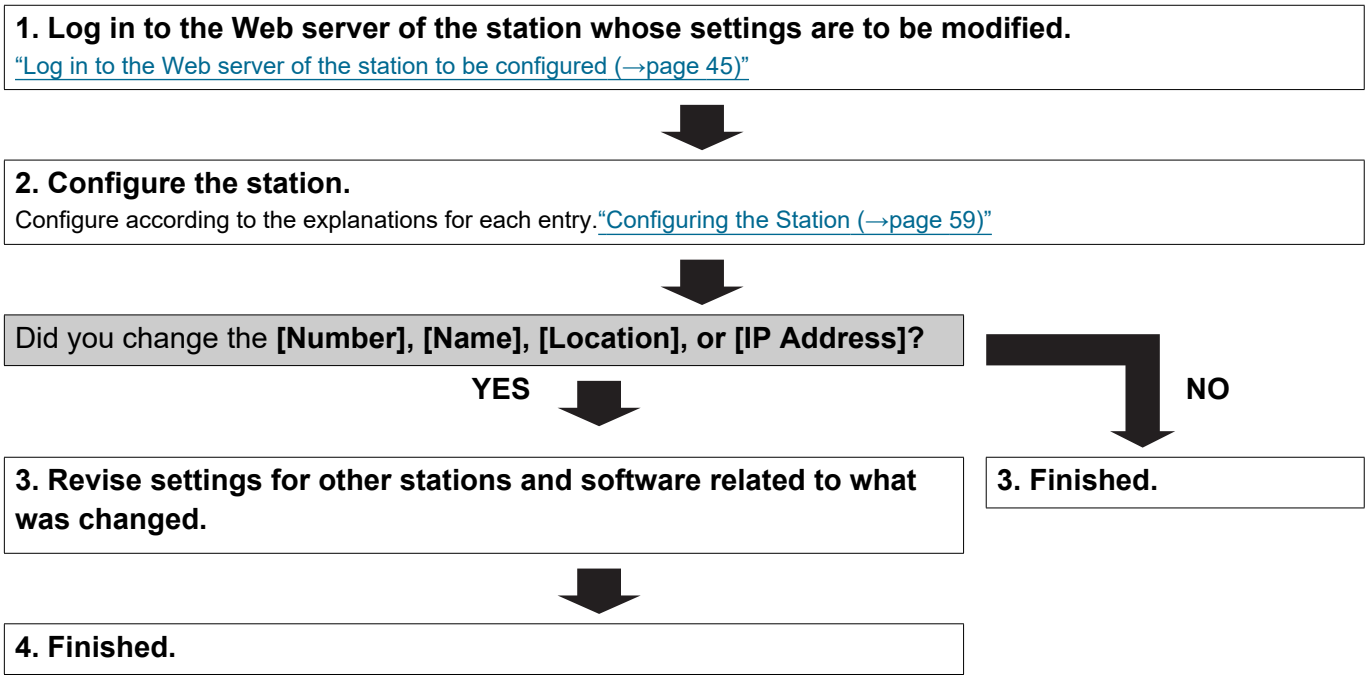
5. Configure other stations in the same manner.
Refer to each station's Web Setting Manual.

↓

6. Done.

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 a PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 44)”

↓

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 45)”

↓

3. Configure “Language (→page 63)”.
Click **[Update]** to update the settings.

↓

4. Configure the station.
"Configuring the station" “Configuring the Station (→page 59)”

↓

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

↓

6. Done.

4.1.4 Delete a station

Use this flowchart to delete a station.

Important

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

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

2. Finished.

4.1.5 Replace a station

Use this flowchart to replace a station.

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

YES

1. Back up the setting file of the station to be replaced.

"Settings File Backup (→page 153)"

2. Replace the station.

3. Restore the backup setting file to the newly installed station.

"Settings File Backup (→page 153)"

4. Done.

NO

1. Replace the station.

2. Restore 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 153)"

3. Done.

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 153)".
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.2.1 Create new data

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

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

↓

2. Connect a 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 44)"

↓

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

"Log in to the Web server of the station to be configured (→page 45)"

↓

4. Set "Static / DHCP" to "IPv4 DHCP."

"Static / DHCP (→page 66)"

The station restarts and the IP address that is configured with the DHCP server beforehand 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 45)"

↓

6. Configure "Language (→page 63)".

Click **[Update]** to update the setting

↓

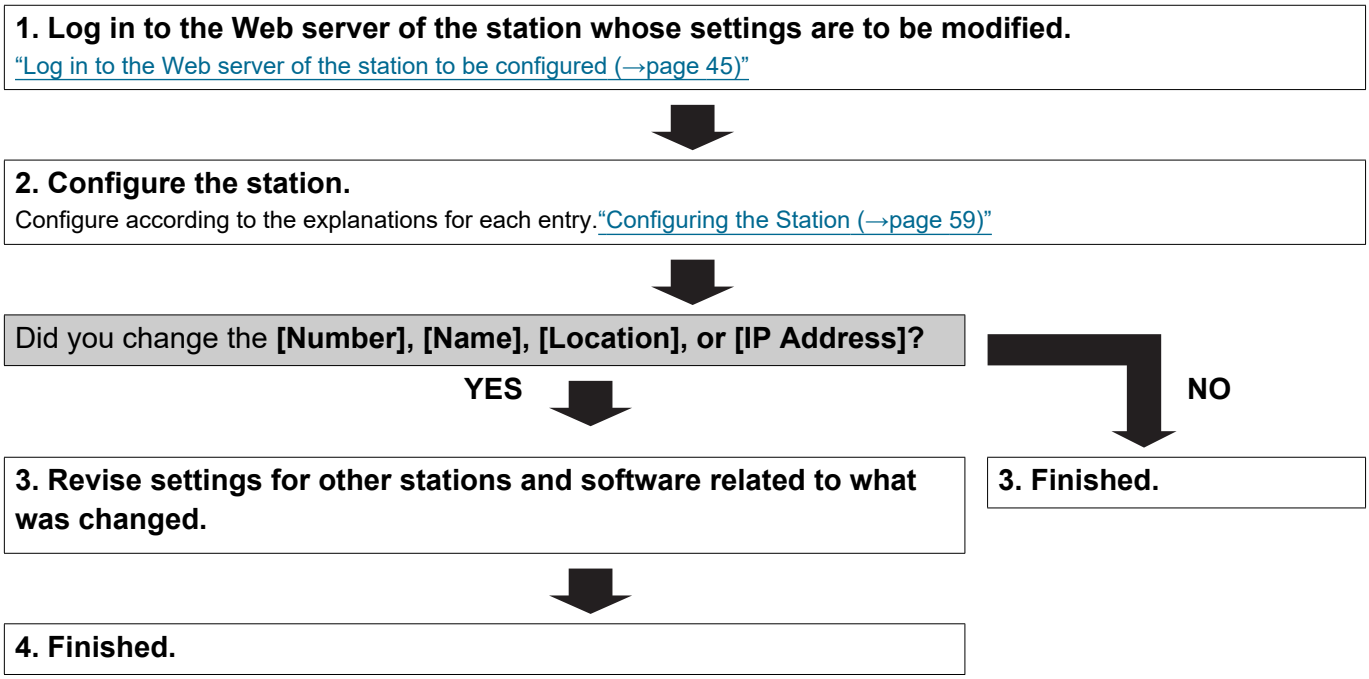
7. Configure the station.
"Configuring the station" “Configuring the Station (→page 59)”

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

9. Done.

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 a PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 44)”

↓

3. Log in to the Web server of the station.
“Log in to the Web server of the station to be configured (→page 45)”

↓

4. Set "Static / DHCP" to "IPv4 DHCP."
“Static / DHCP (→page 66)”
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 45)”

↓

6. Configure “Language (→page 63)”.
Click **[Update]** to update the settings.

↓

7. Configure the station.
"Configuring the station" “Configuring the Station (→page 59)”

↓

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

↓

9. Done.

4.2.4 Delete a station

Use this flowchart to delete a station.

Important

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

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

2. Finished.

4.2.5 Replace a station

Use this flowchart to replace a station.

1. Configure the DHCP server so that the new station installed inherits the IP address assigned to the replaced station.
Refer to the DHCP server's manual for information on how to configure the DHCP server.

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

YES

2. Back up the setting file of the station to be replaced.
“Settings File Backup (→page 153)”

3. Replace the station.

4. Restore the backup setting file to the newly installed station.
“Settings File Backup (→page 153)”

5. Done.

NO

2. Replace the station.

3. Restore 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 153)”

4. Done.

4.3 For static IPv6 address

Important

- Save the settings after configuring the system. Refer to "Settings File Backup (→page 153)".
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.3.1 Create new data

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

1. Connect a 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 44)"

↓

2. With the default IPv4 Address, 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 45)"

↓

3. Set "Static / DHCP" to "Static IPv6" and configure "IPv6 Address."
"Static / DHCP (→page 66)"
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 the assigned IPv6 address.
"Log in to the Web server of the station to be configured (→page 45)"

↓

6. Configure "Language (→page 63)".
Click **[Update]** to update the settings.

↓

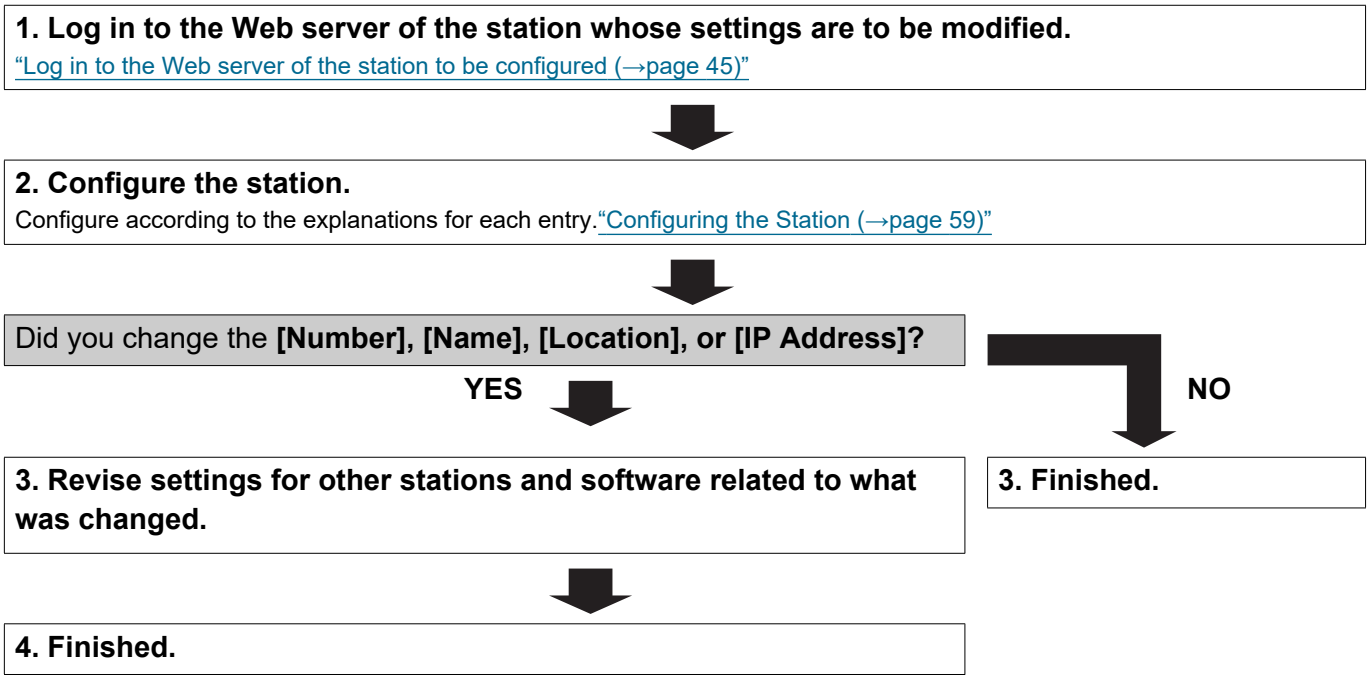
7. Configure the station.
"Configuring the station" "Configuring the Station (→page 59)"
Refer to "Web Setting Manual" for each station.

↓

8. Done.

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 a PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 44)”

↓

2. Log in to the Web server of the added station using its IPv4 address (default value).
“Log in to the Web server of the station to be configured (→page 45)”

↓

3. Set "Static / DHCP" to "Static IPv6" and configure "IPv6 Address."
“Static / DHCP (→page 66)”
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 45)”

↓

5. Configure “Language (→page 63)”.
Click **[Update]** to update the settings.

↓

6. Configure the station.
"Configuring the station" “Configuring the Station (→page 59)”

↓

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

↓

8. Done.

4.3.4 Delete a station

Use this flowchart to delete a station.

Important

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

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

2. Finished.

4.3.5 Replace a station

Use this flowchart to replace a station.

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

YES

1. Back up the setting file of the station to be replaced.

"Settings File Backup (→page 153)"

2. Replace the station.

3. Restore the backup setting file to the newly installed station.

"Settings File Backup (→page 153)"

4. Done.

NO

1. Replace the station.

2. Restore 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 153)"

3. Done.

4.4 For Stateless IPv6 Address

Important

- Save the setting file after configuring the system. Refer to “Settings File Backup (→page 153)”.
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.4.1 Create new data

Use this flowchart to create a new setting file, e.g., when installing a new system.
Support Tool is needed to configure the system using this flowchart. Install Support Tool, and set for IPv6. For set up information, refer to "IX Support Tool Setting Manual."

1. Install a device (e.g., router) which can transmit RA (supports the stateless IPv6 setting).
Do not change the prefix of the device that can transmit Router Advertisement (RA). For how to set up the device,

↓

2. Connect a 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 44)”

↓

3. With the default IPv4 Address, 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 45)”

↓

4. Set "Static / DHCP" to "IPv6 Stateless."
“Static / DHCP (→page 66)”
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."

↓

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 45)”

8. Configure “Language (→page 63)”.

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

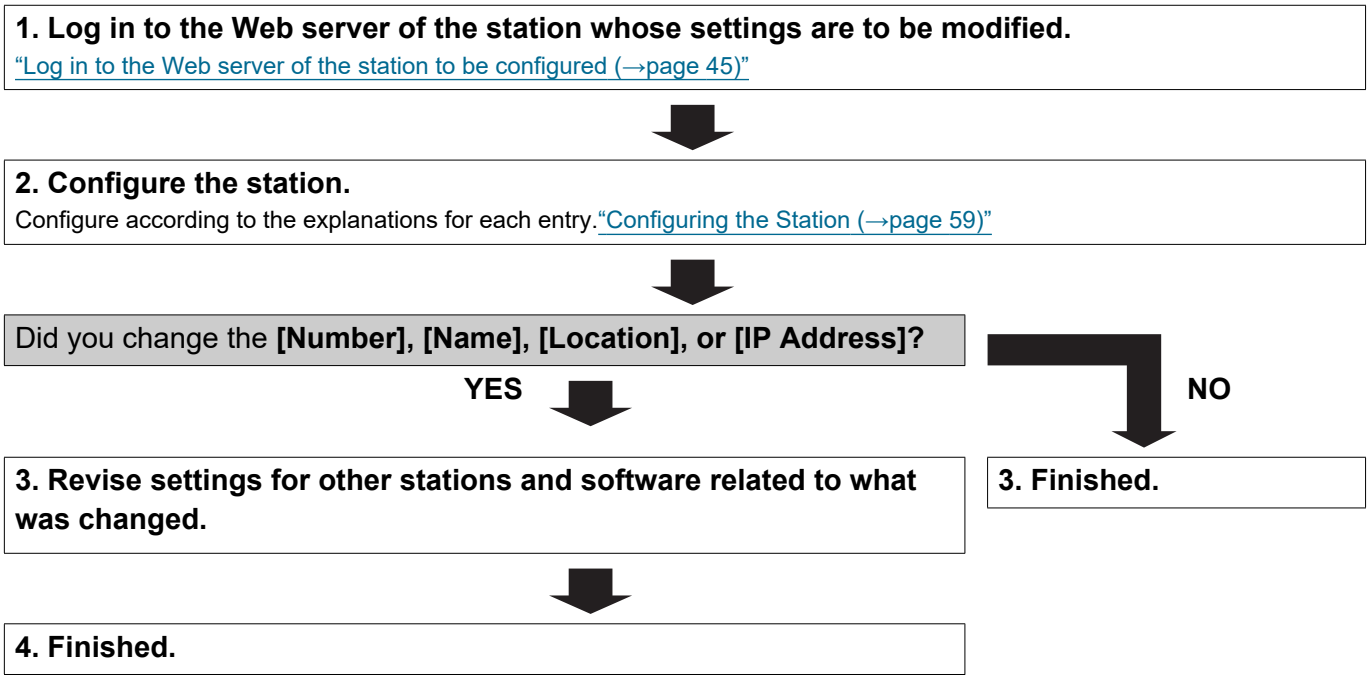
9. Configure the station.

"Configuring the station" “Configuring the Station (→page 59)”
Refer to "Web Setting Manual" for each station.

10. Done.

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 a PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 44)”

2. With the default IPv4 Address, log in to the Web server of the station to be added.
“Log in to the Web server of the station to be configured (→page 45)”

3. Set "Static / DHCP" to "IPv6 Stateless."
“Static / DHCP (→page 66)”
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 each station with the IPv6 addresses identified.
“Log in to the Web server of the station to be configured (→page 45)”

6. Configure “Language (→page 63)”.
Click **[Update]** to update the settings.

7. Configure the station.
"Configuring the station" “Configuring the Station (→page 59)”

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

9. Done.

4.4.4 Delete a station

Use this flowchart to delete a station.

Important

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

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

2. Finished.

4.4.5 Replace a station

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

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 153)”

2. Replace the station.

3. Upload the stored setting file to the newly installed station.
“Settings File Backup (→page 153)”
The station is restarted and the IPv6 address is automatically configured.

4. Search the station to install with Support Tool for its IPv6 address.

5. Replace the IPv6 address of the replaced station that was registered in other stations and software with the IPv6 address of the newly installed station.

6. Finished.

NO

1. Replace the station.

2. Configure other stations in the same manner using the newly installed station.
If the station settings were modified after being stored, those changes will not be reflected.
“Settings File Backup (→page 153)”
The station is restarted and the IPv6 address is automatically configured.

3. Search the station to install with Support Tool for its IPv6 address.

4. Replace the IPv6 address of the replaced station that was registered in other stations and software with the IPv6 address of the newly installed station.

5. Finished.

4.5 For IPv6 Address with DHCP

Important

- Save the setting file after configuring the system. Refer to "Settings File Backup (→page 153)".
- If the setting data is not saved, it may be impossible to restore it after maintenance or after-sales servicing.

4.5.1 Create new data

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

1. Verify managed DHCP environment exists and that each station has been assigned a static IP address.
Configure the DHCP server to assign a static IP address. The DUID of the station is "00030001 + MAC address."
For how to set up the DHCP server, refer to its manual.

↓

2. Connect a PC to the station to be configured.
The default IP addresses of the stations are identical. Connect one at a time.
"Connecting to a PC (→page 44)"

↓

3. Log in to the Web server of the station to configure using its IPv4 address (default values).
"Log in to the Web server of the station to be configured (→page 45)"

↓

4. Set "Static / DHCP" to "IPv6 DHCPv6."
"Static / DHCP (→page 66)"
The station restarts and the IPv6 address that is configured with the DHCP server beforehand is assigned. If the IP address fails to be automatically configured, it will become "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be automatically reconfigured.

↓

5. Configure other stations in the same manner.

↓

6. Log in once again to the Web servers of each station with the assigned IPv6 addresses.
"Log in to the Web server of the station to be configured (→page 45)"

↓

7. First, configure “Language (→page 63)”.

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

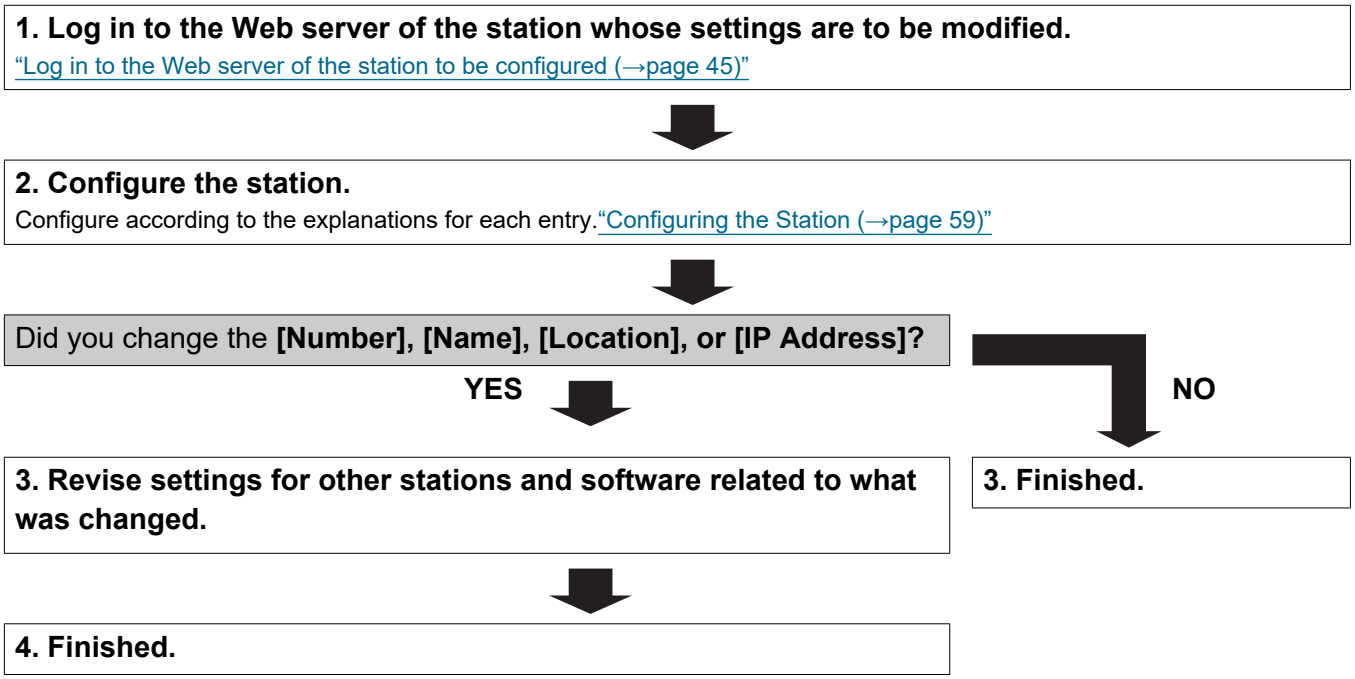
8. Configure the station.

"Configuring the station"“Configuring the Station (→page 59)”
Refer to "Web Setting Manual" for each station.

9. Done.

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 a PC to the station to be added.
Connect stations one at a time to avoid IP address conflict.
“Connecting to a PC (→page 44)”

↓

3. With the default IPv4 Address, log in to the Web server of the station to be added.
“Log in to the Web server of the station to be configured (→page 45)”

↓

4. Set "Static / DHCP" to "IPv6 DHCPv6."
“Static / DHCP (→page 66)”
The station restarts and the IPv6 address that is configured with the DHCP server beforehand is assigned. If the IP address fails to be automatically configured, it will become "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be automatically reconfigured.

↓

5. Log in to the Web server of the station with the assigned IP address.
“Log in to the Web server of the station to be configured (→page 45)”

↓

6. Configure “Language (→page 63)”.
Click **[Update]** to update the settings.

↓

7. Configure the station.
"Configuring the station" “Configuring the Station (→page 59)”

↓

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

↓

9. Done.

4.5.4 Delete a station

Use this flowchart to delete a station.

Important

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

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

2. Finished.

4.5.5 Replace a station

Use this flowchart to replace a station.

1. Configure the DHCP server so that the new station installed inherits the IP address assigned to the replaced station.
The DUID of the station is "00030001 + MAC address."
For how to set up the DHCP server, refer to its manual.

↓

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

YES

2. Back up the setting file of the station to be replaced.
“Settings File Backup (→page 153)”

↓

3. Replace the station.

↓

4. Restore the backup setting file to the newly installed station.
“Settings File Backup (→page 153)”

↓

5. Done.

NO

2. Replace the station.

↓

3. Restore 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 153)”

↓

4. Done.

Startup and configuration

1. System requirements

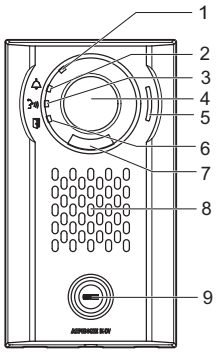
Your PC must satisfy the following system requirements for configuration.

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

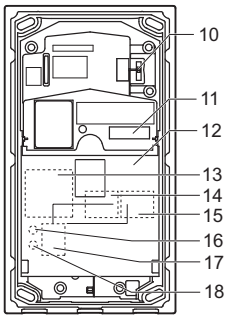
2. Part Names

IX-DV

Front

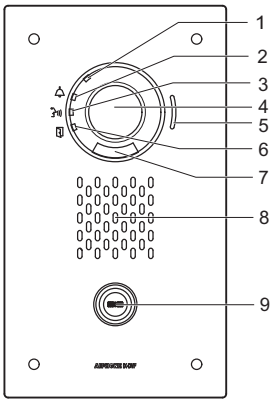


Back

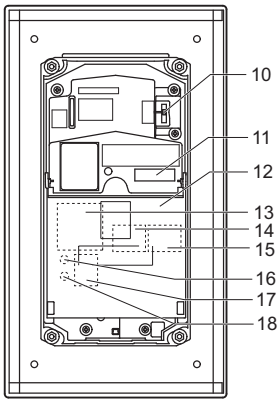


IX-DVF

Front



Back



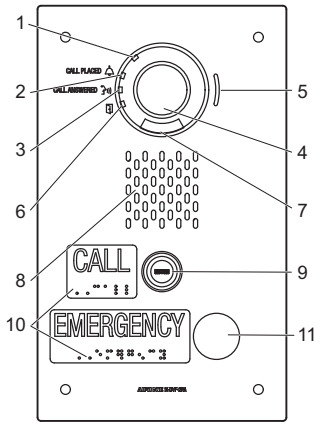
1	Status indicator (orange/blue)	10	Camera angle adjustment lever
2	Call indicator (green)	11	MAC address
3	Communication indicator (orange)	12	Terminal cover
4	Camera	13	Option connector terminal*1
5	Microphone	14	LAN terminal (PoE/PSE)*1
6	Door release indicator (green)	15	LAN terminal (PoE/PD)*1
7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

*1 Found by removing terminal cover.

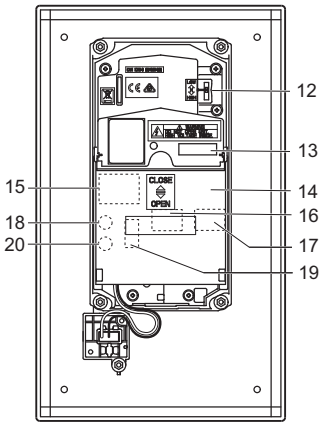
*2 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

IX-DVF-2RA

Front

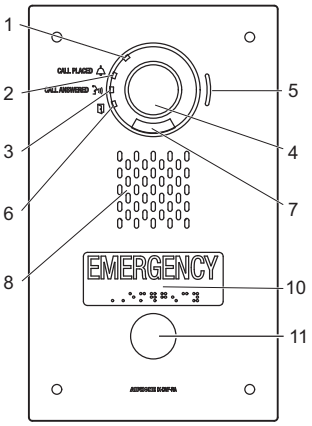


Back

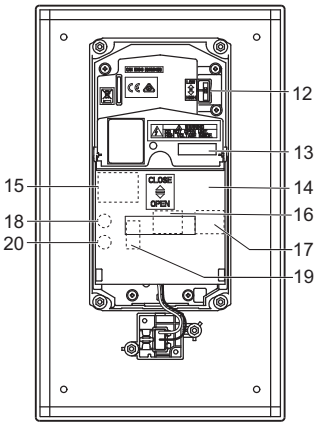


IX-DVF-RA

Front



Back



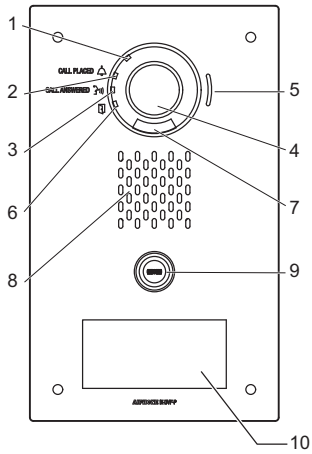
1	Status indicator (orange/blue)	11	Urgent call button
2	Call indicator (green)	12	Camera angle adjustment lever
3	Communication indicator (orange)	13	MAC address
4	Camera	14	Terminal cover
5	Microphone	15	Option connector terminal*1
6	Door release indicator (green)	16	LAN terminal (PoE/PSE)*1
7	LED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

*1 Found by opening terminal cover.

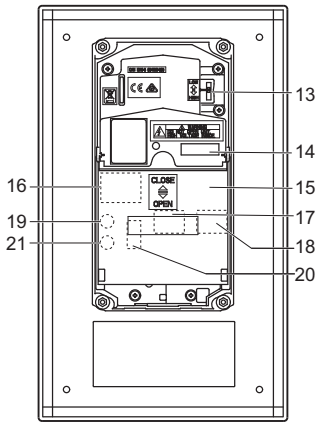
*2 Press and hold the reset button for at least 1 second (less than 5 seconds), then release to restart (reset) the station.

IX-DVF-P

Front

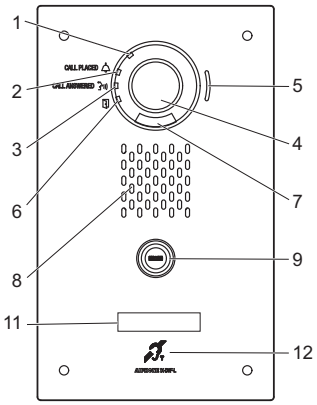


Back

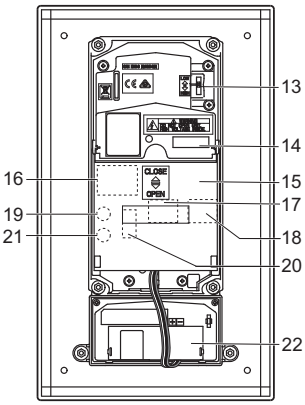


IX-DVF-L

Front



Back

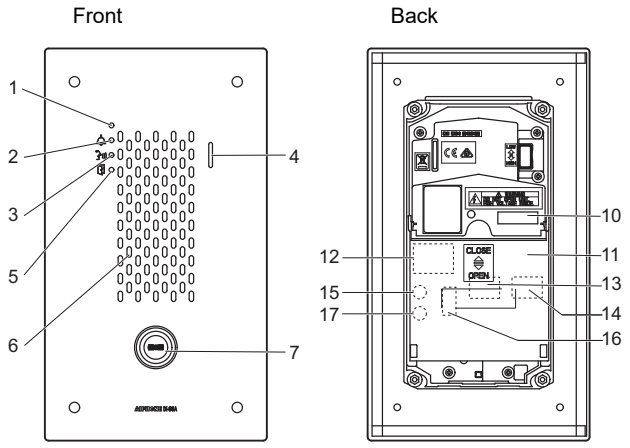


1	Status indicator (orange/blue)	12	Hearing aid (T mode) compatible microphone
2	Call indicator (green)	13	Camera angle adjustment lever
3	Communication indicator (orange)	14	MAC address
4	Camera	15	Terminal cover
5	Microphone	16	Option connector terminal*1
6	Door release indicator (green)	17	LAN terminal (PoE/PSE)*1
7	LED for night illumination	18	LAN terminal (PoE/PD)*1
8	Speaker	19	Reset button*1*2
9	Call button Surrounding area is lit up with blue light.	20	microSD card slot*1
10	HID reader	21	microSD card release button*1
11	Nameplate (with backlight)	22	Hearing aid unit

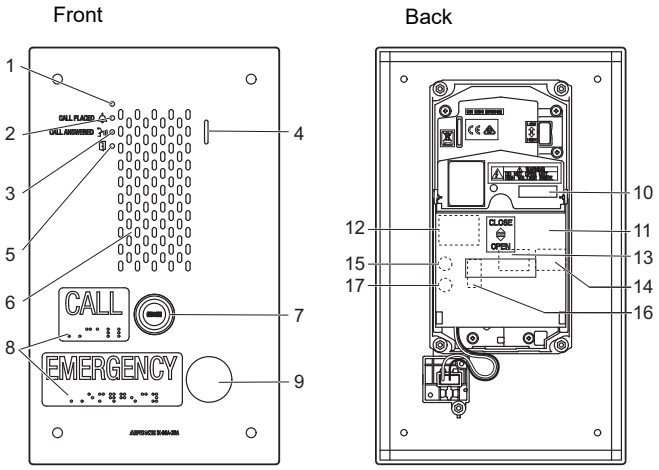
*1 Found by opening terminal cover.

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

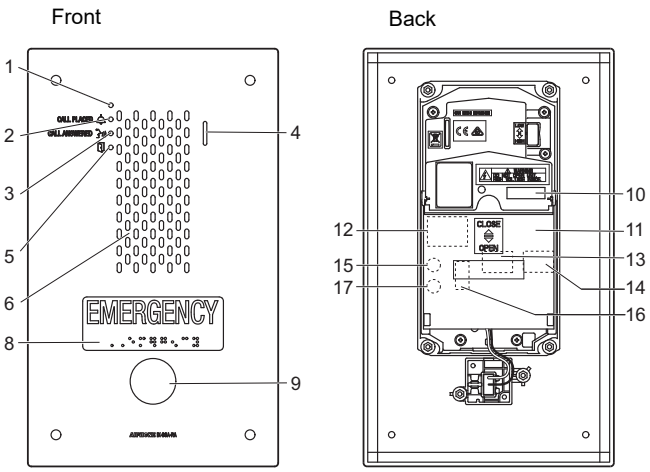
IX-SSA



IX-SSA-2RA



IX-SSA-RA



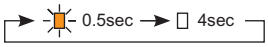
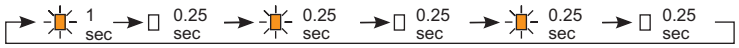
1	Status indicator (orange/blue)	10	MAC address
2	Call indicator (green)	11	Terminal cover
3	Communication indicator (orange)	12	Option connector terminal*1
4	Microphone	13	LAN terminal (PoE/PSE)*1
5	Door release indicator (green)	14	LAN terminal (PoE/PD)*1
6	Speaker	15	Reset button*1*2
7	Call button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

*1 Found by opening terminal cover.

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

■ Indicators

: On; □ : Off

Name	Status (pattern)		Description
Status indicator	Orange flashing	Normal flashing 	Booting
		Fast flashing 	Device failure, startup error
		Long OFF time flashing 	Communication failure
		Long initial light ON flashing 	Firmware version upgrading
		Long initial light ON flashing 	Mounting/ unmounting microSD card
		Long initial light ON flashing 	Initializing
	Blue light		Operating normally

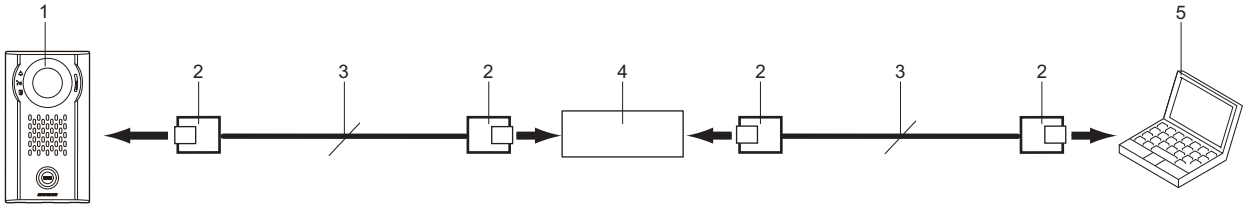
Note

• 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		

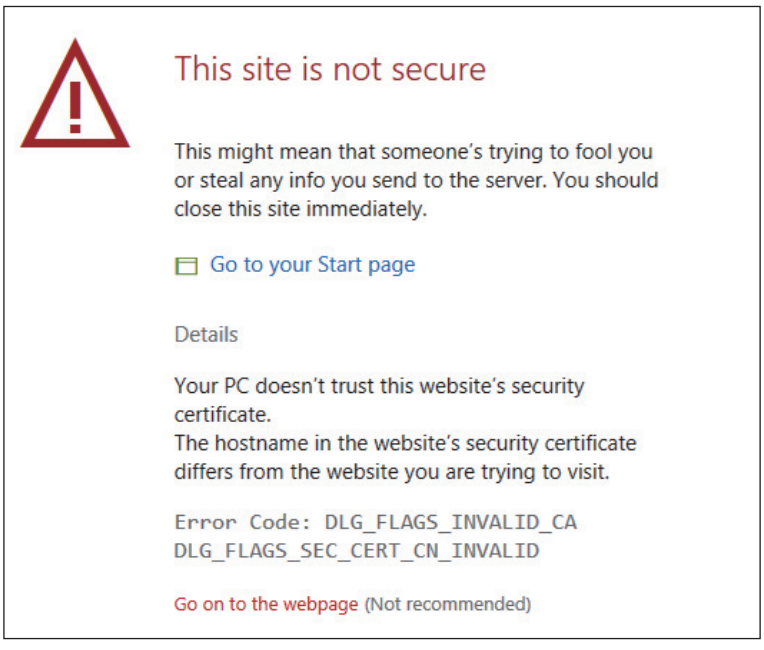
4. Log in to the Web server of the station to be configured

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 browser.
3. Enter the address below in the address bar of the browser to access the configuration Web server.
   https://IP address/webset.cgi?login
   - Enter the IP address of the station to be configured.
   - If the IP address is IPv6, put brackets ([ ]) around it.
   - The default IP address is 192.168.1.160, and the subnet mask is 255.255.255.0.

Note

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

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



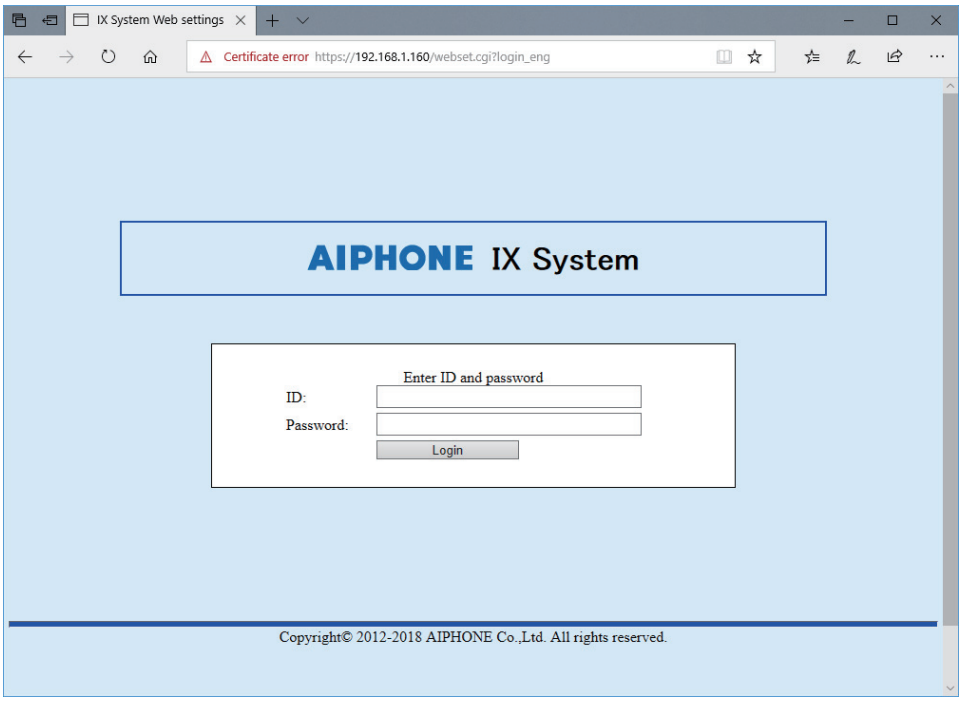
Important

- To prevent the certificate error screen from appearing, perform the procedures described in "CSR (→page 138)" and "SSL Certificate (→page 140)".

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

- The Web settings window will also be displayed in the selected language.

6. Enter your ID and password.



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

Important

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

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

Note

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

5. Setting window

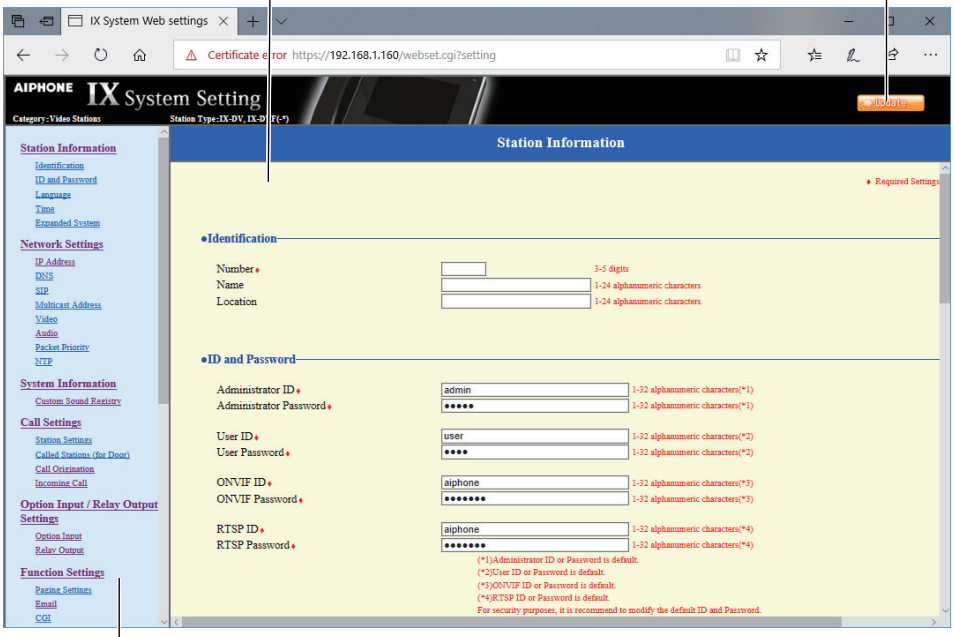
When logging into the Web server of the station, the following setting window will be displayed. This window will be used to configure the station.

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

Setting window sample

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

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



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

5.1 How to configure

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

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

Note

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

6. System settings list

The table below shows all the settings for the system.
The symbols indicate the following:
♦: Indicates a required field. A value must be entered. Retain the default settings, unless a change is necessary.
♣: Indicates that Support Tool has uploaded the data. If the entry is altered through a Web browser, Support Tool will not recognize the change.

- The following list shows an overview of Web configuration. The content, how they are displayed, and the order of entries may vary from the actual screens.
- Download the setting file and back it up at a safe location (→page 153). Otherwise, it may become impossible to restore the settings after fixing a malfunction.

Access privileges
A: Administrator
U: User

Entry				Access privileges		Reference page
				A	U	
Station Information						
Identification	-	-	Number♦♣	✓		60
			Name	✓		60
			Location	✓		60
ID and Password	-	-	Administrator ID♦♣	✓		61
			Administrator Password♦♣	✓		61
			User ID♦	✓	✓	61
			User Password♦	✓	✓	61
			ONVIF ID (IX-DV, IX-DVF(-*) only) ♦	✓	✓	61
			ONVIF Password (IX-DV, IX-DVF(-*) only) ♦	✓	✓	61
			RTSP ID♦	✓	✓	62
			RTSP Password ♦	✓	✓	62
Language	-	-	Language	✓	✓	63
Time	Time Zone	-	Select time zone	✓	✓	64
	Daylight Savings Time	-	Enable automatic daylight savings time	✓	✓	64
	Date and Time	-	Set date and time	✓	✓	64
Expanded System (not used)	-	-	-	✓		65
Network Settings						
IP Address	Static / DHCP	-	-	✓		66
	IPv4 Address	-	IP Address♦♣	✓		67
			Subnet Mask♦	✓		67
			Default Gateway	✓		67
	IPv6 Address	-	IP Address♦♣	✓		67
			Default Gateway	✓		67

Entry				Access privileges		Reference page
				A	U	
DNS	Primary Server	-	IPv4	✓		68
			IPv6	✓		68
	Secondary Server	-	IPv4	✓		68
			IPv6	✓		68
SIP	SIP Connections	-	SIP Signaling Port♦	✓		69
			User Agent	✓		69
	SIP Server	Primary Server	ID	✓		69
			Password	✓		70
			IPv4 Address	✓		70
			IPv6 Address	✓		70
			Port♦	✓		70
		Secondary Server	ID	✓		70
			Password	✓		70
			IPv4 Address	✓		70
			IPv6 Address	✓		71
			Port♦	✓		71
		Tertiary Server	ID	✓		71
			Password	✓		71
			IPv4 Address	✓		71
			IPv6 Address	✓		71
			Port♦	✓		71
	Miscellaneous	-	Register Transmission Interval [sec]♦	✓		72
			DTMF digit interval timeout [sec]♦	✓		72
			Call health check timer♦	✓		72
Multicast Address (IX-DV and IX-DVF(-*) only)	For Call	-	IPv4	✓		73
			IPv6	✓		73

Entry				Access privileges		Reference page
				A	U	
Video (IX-DV and IX-DVF(-*) only)	Video Encoder 1	-	Resolution	✓	✓	74
			Frame Rate [fps]	✓	✓	74
			Select Profile	✓	✓	75
			I-picture interval♦	✓	✓	75
			Bit rate [kbps]	✓	✓	75
			RTP Start Port♦	✓		75
			RTP End Port♦	✓		75
	Video Encoder 2	-	Second Video Encoder	✓	✓	76
			Video Codec	✓	✓	76
			Resolution	✓	✓	76
			Frame Rate [fps]	✓	✓	76
			Select Profile [H.264 / AVC]	✓	✓	77
			I-picture interval [H.264/ AVC]♦	✓	✓	77
			Bit rate [kbps] [H.264 / AVC]	✓	✓	77
			Select Quality [Motion-JPEG]	✓	✓	77
			RTP Start Port♦	✓		77
			RTP End Port♦	✓		77
Audio	-	-	Audio Codec	✓		78
			Audio RTP Transmission Interval [msec]	✓		79
			RTP Idle Detection Time [sec]♦	✓		79
			Audio 1 RTP Start Port♦	✓		79
			Audio 1 RTP End Port♦	✓		79
			Audio 2 RTP Start Port♦	✓		79
			Audio 2 RTP End Port♦	✓		79
	Audio Buffer	-	Packets Buffered at Audio Start	✓		80
			Maximum Packets Buffered	✓		80
Packet Priority	-	-	TOS Value (Audio)♦	✓		81
			TOS Value (Video) (IX-DV and IX-DVF(-*) only) ♦	✓		81
			TOS Value (SIP)♦	✓		81
			VLAN Setting	✓		81
			VLAN ID♦	✓		82
			VLAN Priority	✓		82

Entry				Access privileges		Reference page
				A	U	
NTP	Enable NTP	-	-	✓	✓	83
	Synchronization Interval [hour]♦	-	-	✓		83
	Primary Server	Address	IPv4	✓		83
			IPv6	✓		83
		Port♦	-	✓		84
	Secondary Server	Address	IPv4	✓		84
			IPv6	✓		84
		Port♦	-	✓		84
System Information						
Custom Sound Registry	-	-	-	✓	✓	85
Call Settings						
Station Information	-	-	Call Button Function	✓		87
Called Stations (for Door)♣	-	-	Station Number	✓		88
			IPv4 Address	✓		88
			IPv6 Address	✓		88
			Station Type	✓		89
			Protocol (IX-DV and IX-DVF(-*) only)	✓		89
Call Origination	Call Origination Advanced Settings	-	Call Method	✓	✓	90
			Ringback Tone	✓	✓	91
			Call Timeout♦	✓	✓	91
			Ringback Tone Count [time(s)]	✓	✓	91
		Standard Mode Settings	Call Destination	✓	✓	92
			Priority	✓	✓	92
		Destination by Time Delay Settings	Call Destination	✓	✓	92
			Priority	✓	✓	92
			Destination Dwell Time [sec]♦	✓	✓	92
		Schedule Settings	-	✓	✓	93
	Tone Settings	-	Busy Tone	✓	✓	96
			Error Tone (Call Failed)	✓	✓	97
	Call Restart Function	-	Call Restart Function	✓	✓	98
Incoming Call	Call Answer Settings	-	Auto Answer	✓	✓	99
	Ringtone	-	Ringtone	✓	✓	99
			Ringback Tone Count [time(s)]	✓	✓	100
	VoIP Phone	-	VoIP Phone Call Priority	✓	✓	100

Entry				Access privileges		Reference page
				A	U	
Option Input / Relay Output Settings						
Option Input	Option Input Advanced Settings	-	Name	✓		101
			Function	✓		102
			Type	✓		102
			Detection Time Range	✓		102
			API 1	✓		102
			API 2	✓		102
Relay Output	Relay Output Advanced Settings	-	Name	✓		104
			Function	✓		104
			Option Relay Control	✓		105
			Output Time Range	✓		105
			Door Release Authorization	✓	✓	105
			Sound Settings	✓	✓	106
		Schedule Settings	-	✓		106
	Option Relay Control Authentication Key	-	-	✓	✓	109
Function Settings						
Paging Settings	-	-	Paging Pretone	✓	✓	110
Email	Server Settings	-	SMTP Server	✓		111
			SMTP Port♦	✓		111
			SMTP Encryption	✓		111
	Authentication Settings	-	SMTP Authentication	✓		112
			Mode	✓		112
			ID	✓		112
			Password	✓		112
	Email Addresses	-	Destination 1	✓	✓	113
			Destination 2	✓	✓	113
			Destination 3	✓	✓	113
			Source Address	✓		113

Entry				Access privileges		Reference page
				A	U	
	Email Event Trigger	-	Outgoing Normal Call	✓	✓	114
			Incoming Normal Call	✓	✓	114
			Outgoing Priority Call	✓	✓	114
			Incoming Priority Call	✓	✓	115
			Outgoing Urgent Call	✓	✓	115
			Incoming Urgent Call	✓	✓	115
			Call Failed	✓	✓	115
			Latch Reset	✓	✓	115
			Error	✓	✓	115
			Station Restarted	✓	✓	115
			SD Card Error	✓	✓	116
			Recording Memory Full	✓	✓	116
			Subject	✓	✓	116
	Periodic Log Transmission	-	Periodic Log Transmission	✓	✓	116
			Periodic Log Transmit Time	✓	✓	117
			Periodic Log Transmit Interval	✓	✓	117
			Periodic Log Transmission Subject	✓	✓	117
	Send Test Email	-	-	✓	✓	118
	Additional Settings (IX-DV, IX-DVF(-*) only)	-	Attach Image	✓	✓	119
			Image Filename	✓	✓	119
CGI	CGI Functionality	-	-	✓		120
SIF	SIF Functionality	-	-	✓		121
	SIP URI Format	-	-	✓		121
	SIF Settings	-	Program Type	✓		122
			IPv4	✓		122
			IPv6	✓		122
			Destination Port	✓		122
			SSL	✓		122
			Connection	✓		122

Entry				Access privileges		Reference page
				A	U	
	Transmission Trigger	-	Begin Outgoing Call	✓		123
			Begin Communication (Source)	✓		123
			End Communication	✓		123
			Change contact	✓		124
			Unit error	✓		124
			Periodical Transmission	✓		124
			Initialization Notice	✓		124
			End Outgoing Call	✓		124
			Begin Incoming Call	✓		124
			End Incoming Call	✓		124
			Latch Reset	✓		125
			Change Call Destination	✓		125
			Call Failure	✓		125
			Begin Incoming Page	✓		125
			End Incoming Page	✓		125
			Begin Monitored	✓		125
			End Monitored	✓		125
			Begin Communication (Destination)	✓		126
			Begin Record	✓		126
			End Record	✓		126
			Recording Memory Full	✓		126
			SD Card Error	✓		126
			SIP Registration Failure	✓		126
	Periodical Transmission Interval	-	Periodical Transmission Interval♦	✓		127
	SIF File Management	-	SIF Communication Settings (sif.ini)	✓		128
			SIF Parameter Settings (sif_conf.ini)	✓		128
Record	-	-	Record Mode	✓	✓	129
			Record Event	✓	✓	129
			Prevent Overwrite	✓	✓	130
			Video Recording File Length	✓	✓	130
			Audio Recording (IX-DV, IX-DVF(-*) only)	✓	✓	130
	Schedule Settings	Weekly Schedule	-	✓	✓	131
Communication Audio Messages	Start Communication	-	-	✓	✓	132
	Code Received	-	Code	✓	✓	133
			Message	✓	✓	133

Entry				Access privileges		Reference page
				A	U	
Chime	Weekly Schedule	-	Start Time	✓	✓	134
			Chime	✓	✓	135
	Daily Schedule	-	Start Time	✓	✓	136
			Chime	✓	✓	137
CSR	-	-	Country	✓		138
			State/County/Region	✓		138
			City/Locality	✓		138
			Organization	✓		138
			Organizational Unit	✓		138
			Common Name	✓		139
SSL Certificate	-	-	-	✓		140
IEEE802.1X	-	-	IEEE802.1X	✓		141
			EAP	✓		141
			EAP User Name	✓		141
			EAP Password	✓		141
			Certificate Authority	✓		142
			Client Certificate	✓		142
			Client Private Key	✓		142
Station Settings						
Volume / Tone	Volume	-	Transmit	✓	✓	143
			Receive	✓	✓	143
			VoIP Phone Volume Adjustment	✓	✓	143
			Ringtone	✓	✓	143
			Paging	✓	✓	144
	Tone	-	Communication Timeout Notification	✓	✓	144
			Communication End Pretone	✓	✓	144
			Auto Answer Tone	✓	✓	145
			Key Received	✓	✓	146
			Error	✓	✓	147
			Audio Output (for Door)	✓		147
Communication	-	-	Talk Timeout [sec]♦	✓	✓	148
			Communication Start Tone	✓	✓	148
Monitor	-	-	Prevent Being Monitored	✓		149
			Monitored Notification Tone	✓	✓	149
			Monitored LED Notification	✓	✓	149

Entry				Access privileges		Reference page
				A	U	
Camera (IX-DV and IX-DVF(-*) only)	Adjustment	-	Backlight Compensation	✓	✓	150
			Low Light Sensitivity	✓	✓	150
	White LED	-	Call / Communication	✓	✓	150
			Monitored	✓	✓	150
Maintenance						
Firmware Update	-	-	-	✓		151
Initialization	-	-	Initialization	✓		152
			Initialize User Settings	✓	✓	152
Settings File Backup	-	-	Download Settings File	✓		153
			Restore Settings File	✓		153
System Log	-	-	Download	✓		154
syslog (not used)	-	-	IPv4 Address	✓		155
			IPv6 Address	✓		155

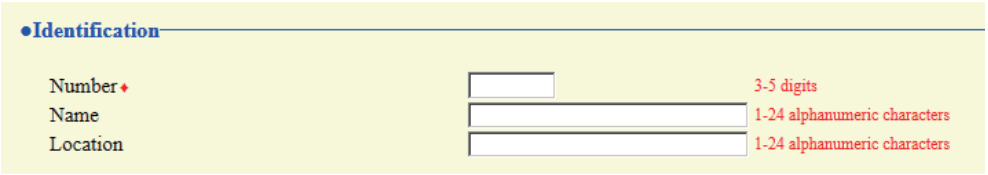
Configuring the Station

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

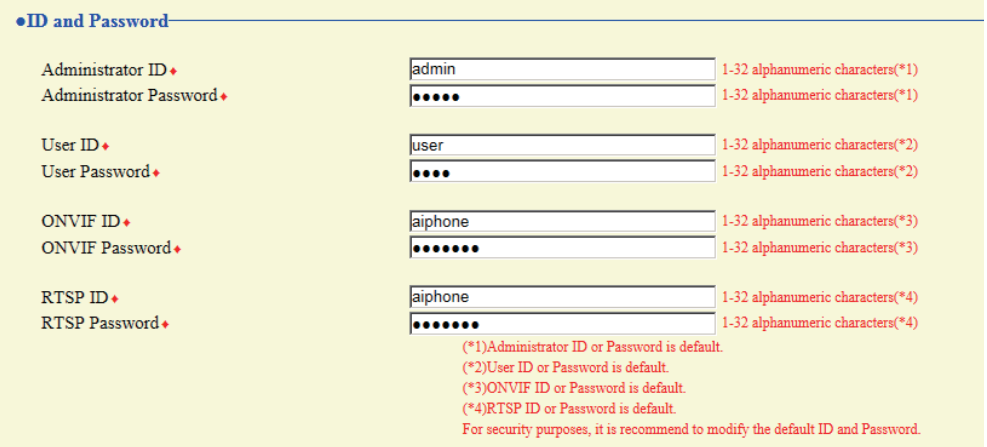
■ Name

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

■ Location

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

1.2 ID and Password



■ Administrator ID♦♣

Description	Set the ID of the administrator account for accessing via a Web browser to configure a station.
Settings	1 - 32 alphanumeric characters
Default values	admin

■ Administrator Password♦♣

Description	Set the password of the administrator account for accessing via a Web browser to configure a station.
Settings	1 - 32 alphanumeric characters
Default values	admin

■ User ID♦

Description	Set the ID of a general user account for accessing via a Web browser to configure a station.
Settings	1 - 32 alphanumeric characters
Default values	user

■ User Password♦

Description	Set the password of a general user account for accessing via a Web browser to configure a station.
Settings	1 - 32 alphanumeric characters
Default values	user

■ ONVIF ID (IX-DV and IX-DVF(-*) only) ♦

Description	Configure the Authentication ID used to connect to the station from a 3rd party product using ONVIF.
Settings	1 - 32 alphanumeric characters
Default values	aiphone

■ ONVIF Password (IX-DV and IX-DVF(-*) only) ♦

Description	Configure the Authentication Password used to connect to the station from a 3rd party product using ONVIF.
Settings	1 - 32 alphanumeric characters
Default values	aiphone

■ RTSP ID♦

Description	Configure the Authentication ID used to connect to the station from a 3rd party product using RTSP.
Settings	1 - 32 alphanumeric characters
Default values	aiphone

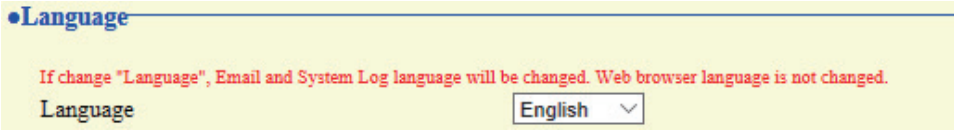
■ RTSP Password ♦

Description	Configure the Authentication Password used to connect to the station from a 3rd party product using RTSP.
Settings	1 - 32 alphanumeric characters
Default values	aiphone

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-DV or IX-DVF(-*) with 3rd party products (ONVIF) (→page 156)" for information on connecting IX-DV and IX-DVF(-*) with a 3rd party product.
- The "Administrator Password," "User Password," "ONVIF Password," and "RTSP Password " are displayed as "●●●●●" in the Settings window.

1.3 Language



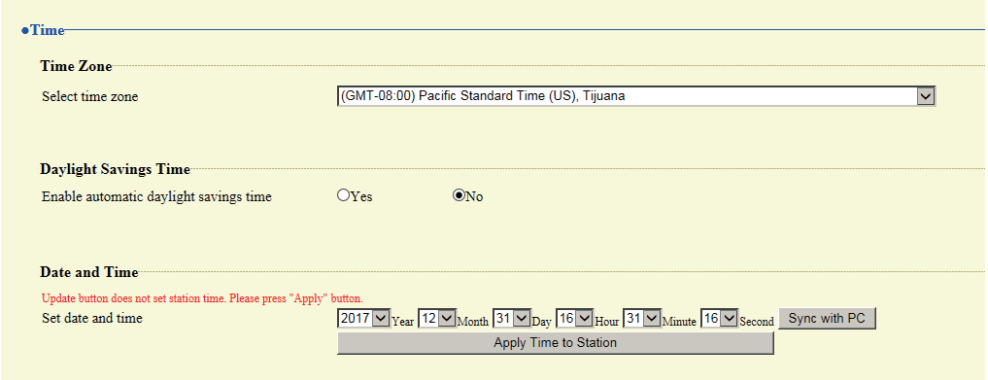
■ Language

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
Default values	English

Note

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

1.4 Time



1.4.1 Time Zone

■ Select time zone

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

Note

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

1.4.2 Daylight Savings Time

■ Enable automatic daylight savings time

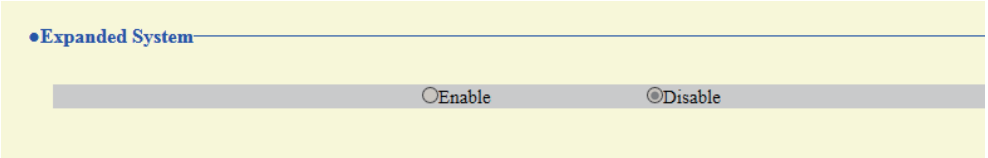
Description	Adjusts the daylight saving time automatically to match the region selected in "Select time zone."
Settings	• Yes • No
Default values	No

1.4.3 Date and Time

■ Set date and time

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

1.5 Expanded System



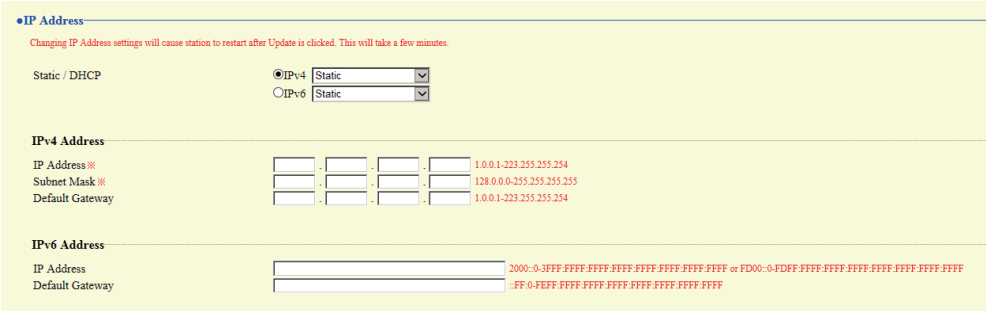
Description	Not used.

2. Network Settings

2.1 IP Address

Important

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



2.1.1 Static / DHCP

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

Important

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

2.1.2 IPv4 Address

Important

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

■ IP Address♦♣

Description	Set the IP address. Do not use duplicate IP addresses. Doing so will cause the system to malfunction.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

■ Subnet Mask♦

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

■ Default Gateway

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

2.1.3 IPv6 Address

Important

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

■ IP Address♦♣

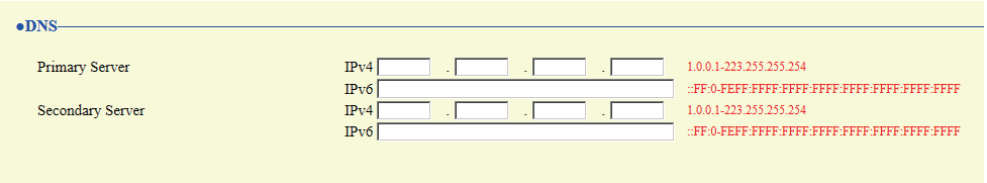
Description	Set the IP address. Do not use duplicate IP addresses. Doing so will cause the system to malfunction.
Settings	2000::0 - 3FFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or FD00::0 - FDFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	—

■ Default Gateway

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

2.2 DNS

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



2.2.1 Primary Server

■ IPv4

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

■ IPv6

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

2.2.2 Secondary Server

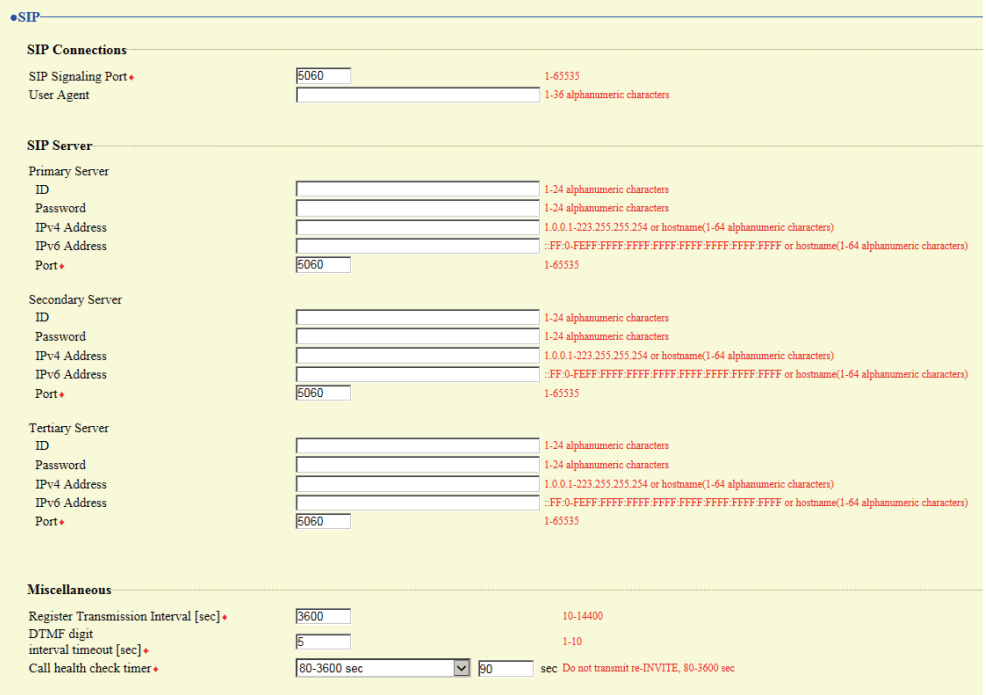
■ IPv4

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

■ IPv6

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

2.3 SIP



2.3.1 SIP Connections

■ SIP Signaling Port♦

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

■ User Agent

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

2.3.2 SIP Server

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

2.3.2.1 Primary Server

■ ID

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

■ Password

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

Note

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

■ IPv4 Address

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

■ IPv6 Address

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

■ Port♦

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

2.3.2.2 Secondary Server

■ ID

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

■ Password

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

Note

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

■ IPv4 Address

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

■ IPv6 Address

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

■ Port♦

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

2.3.2.3 Tertiary Server

■ ID

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

■ Password

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

Note

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

■ IPv4 Address

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

■ IPv6 Address

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

■ Port♦

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

2.3.3 Miscellaneous

■ Register Transmission Interval [sec]♦

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

■ DTMF digit interval timeout [sec]♦

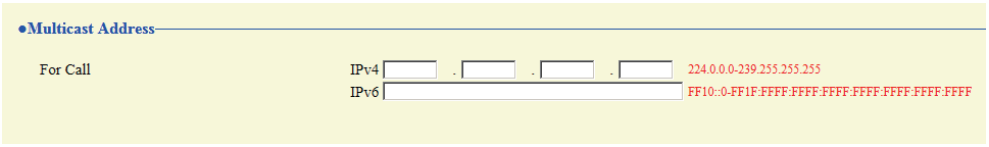
Description	Configure the time to timeout signal reception, when a DTMF signal is not received from the VoIP Phone for a continuous period of time.
Settings	1 - 10 sec
Default values	5 sec

■ Call health check timer♦

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

2.4 Multicast Address (IX-DV and IX-DVF(-*) only)

This should be configured when you enable the multicast feature in “Called Stations (for Door)♣ (→page 87)”.



2.4.1 For Call

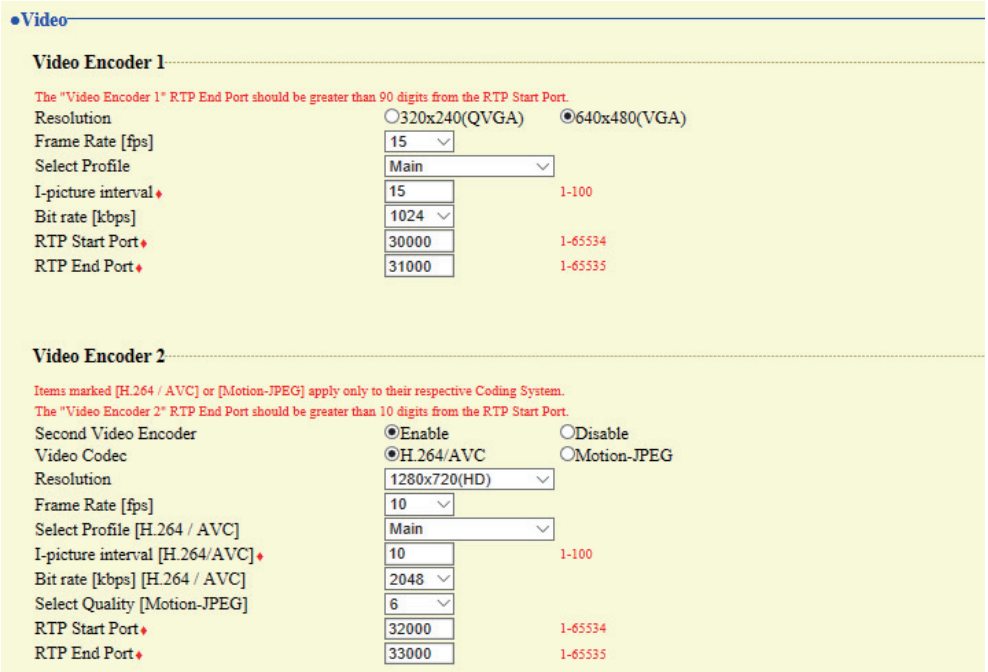
■ IPv4

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

■ IPv6

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

2.5 Video (IX-DV and IX-DVF(-*) only)



2.5.1 Video Encoder 1

Configure settings for videos during calls between IX system stations, during communication, and during calls with VoIP phones. The coding system will be H.264 / AVC.

■ Resolution

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

■ Frame Rate [fps]

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

■ I-picture interval♦

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

■ Bit rate [kbps]

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

■ RTP End Port♦

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

2.5.2 Video Encoder 2

If you want to transmit video in ONVIF, you should configure these.
To view video from IX-DV or IX-DVF(-*) with a 3rd party product, refer to “Viewing video from IX-DV or IX-DVF(-*) with 3rd party products (ONVIF) (→page 156)”.

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	Choose to enable/disable the second video encoder. Set to "Enable" when transmitting video using ONVIF.
Settings	• Enable • Disable
Default values	Enable

■ Video Codec

Description	Choose the video encoding format.
Settings	• H.264 / AVC • Motion-JPEG
Default values	H.264 / AVC

■ Resolution

Description	Choose the resolution.
Settings	• 320×240 (QVGA) • 640×480 (VGA) • 800x480 (WVGA) • 1280x720 (HD) • 1280x960 (SXVGA)
Default values	1280x720 (HD)

■ Frame Rate [fps]

Description	Choose the frame rate.
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	Configure the profile for H.264 / AVC.
Settings	• Baseline • Main • High
Default values	Main

■ I-picture interval [H.264/AVC]♦

Description	Choose the intervals for transmitting pictures of H.264 / AVC.
Settings	1 - 100
Default values	10

■ Bit rate [kbps] [H.264 / AVC]

Description	Choose the bit rate of H.264 / AVC.
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	Choose the picture quality of Motion-JPEG.
Settings	1 (Low) - 10 (High)
Default values	6

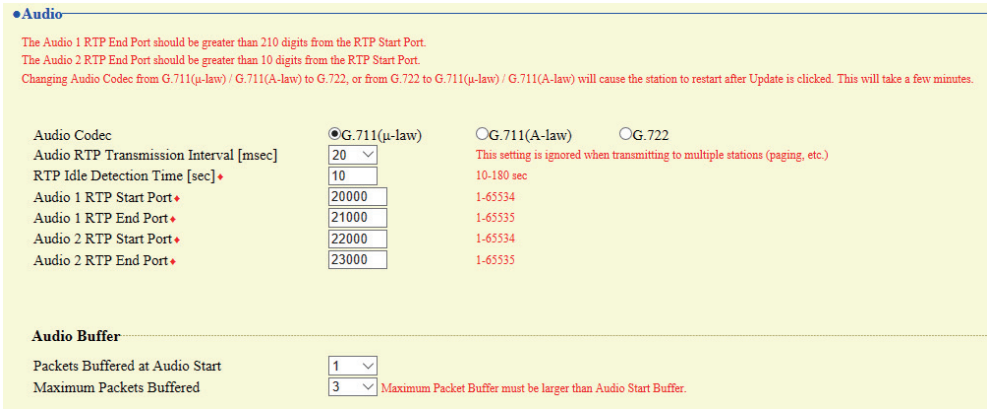
■ RTP Start Port♦

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

■ RTP End Port♦

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

2.6 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 for the station to restart.
- Stations with different audio codecs (G.711 and G.722) selected cannot ring, call, monitor, or page each other.
- When 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 85)"
  - "Call Origination" - "Call Button" - "Ringback Tone (→page 91)"
  - "Call Origination" - "Option Input 1 - 6" - "Ringback Tone (→page 91)"
  - "Call Origination" - "Busy Tone (→page 96)"
  - "Call Origination" - "Error Tone (Call Failed) (→page 97)"
  - "Incoming Call" - "Ringtone (→page 99)"
  - "Relay Output" - "Sound Settings (→page 106)"
  - "Paging Settings" - "Paging Pretone (→page 110)"
  - "Communication Audio Messages" - "Start Communication (→page 132)"
  - "Communication Audio Messages" - "Code Received" - "Message (→page 133)"
  - "Chime" - "Weekly Schedule" - "Chime (→page 135)"
  - "Chime" - "Daily Schedule" - "Chime (→page 137)"
  - "Volume / Tone" - "Communication Timeout Notification (→page 144)"
  - "Volume / Tone" - "Communication End Pretone (→page 144)"
  - "Volume / Tone" - "Auto Answer Tone (→page 145)"
  - "Volume / Tone" - "Key Received (→page 146)"
  - "Volume / Tone" - "Error (→page 147)"
  - "Communication" - "Communication Start Tone (→page 148)"
  - "Monitor" - "Monitored Notification Tone (→page 149)"

■ Audio RTP Transmission Interval [msec]

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

■ RTP Idle Detection Time [sec]♦

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

■ Audio 1 RTP Start Port♦

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

■ Audio 1 RTP End Port♦

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

■ Audio 2 RTP Start Port♦

Description	Configure the port number range for sending RTP audio to a 3rd party product connected via ONVIF or RTSP. Configure so that there are at least 10 ports free between the (Audio 2 RTP Start Port) and (Audio 2 RTP End Port). If this is less than 10, a port outside the range may be used.
Settings	1 - 65534
Default values	22000

■ Audio 2 RTP End Port♦

Description	Configure the port number range for sending RTP audio to a 3rd party product connected via ONVIF or RTSP. Configure so that there are at least 10 ports free between the (Audio 2 RTP Start Port) and (Audio 2 RTP End Port). If this is less than 10, a port outside the range may be used.
Settings	1 - 65535
Default values	23000

2.6.1 Audio Buffer

■ Packets Buffered at Audio Start

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

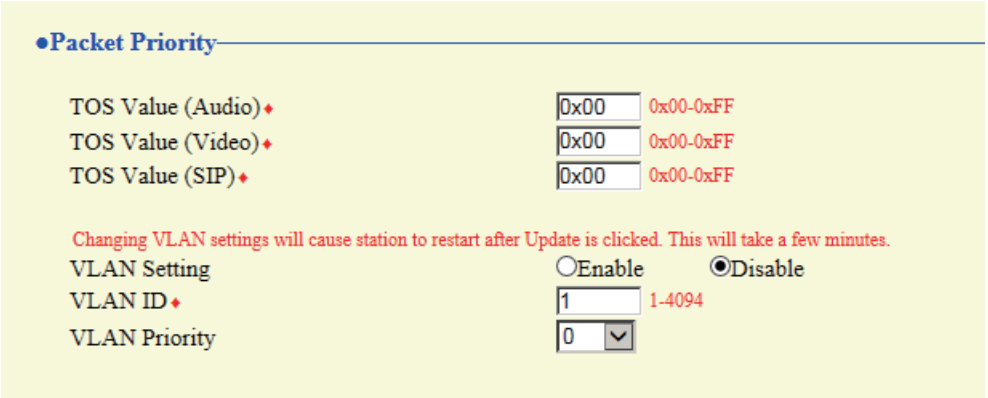
■ Maximum Packets Buffered

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

2.7 Packet Priority

Important

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



■ TOS Value (Audio)♦

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

■ TOS Value (Video) (IX-DV and IX-DVF(-*) only) ♦

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

■ TOS Value (SIP)♦

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

■ VLAN Setting

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

Important

- When “VLAN Setting (→page 81)” is set to "Enable," ensure that the switches, PCs, and stations are all configured for VLAN operation.

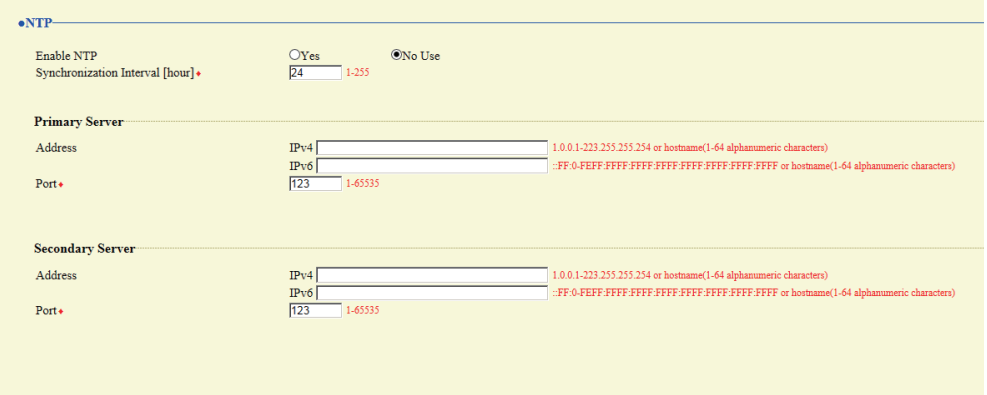
■ VLAN ID♦

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

■ VLAN Priority

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

2.8 NTP



2.8.1 Enable NTP

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

2.8.2 Synchronization Interval [hour]♦

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

2.8.3 Primary Server

2.8.3.1 Address

■ IPv4

Description	Configure the IPv4 address of the primary NTP server. When using a Hostname, set up “DNS (→page 68)”.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Configure the IPv6 address of the primary NTP server. When using a Hostname, set up “DNS (→page 68)”.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

2.8.3.2 Port♦

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

2.8.4 Secondary Server

2.8.4.1 Address

■ IPv4

Description	Configure the IPv4 address of the secondary NTP server. When using a Hostname, set up “DNS (→page 68)”.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Configure the IPv6 address of the secondary NTP server. When using a Hostname, set up “DNS (→page 68)”.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

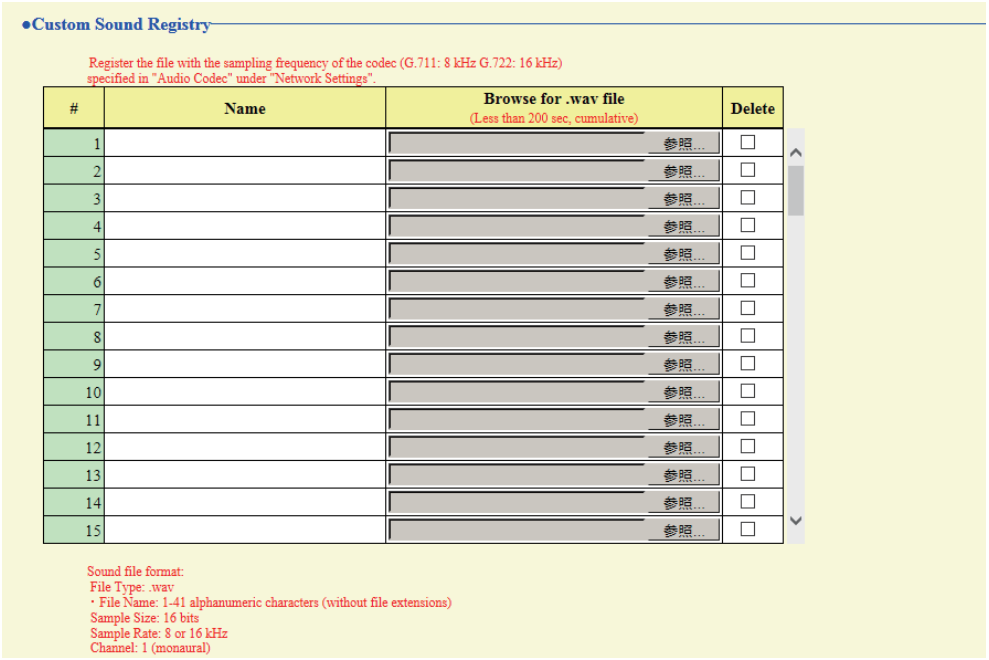
2.8.4.2 Port♦

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

3. System Information

3.1 Custom Sound Registry

A maximum of 100 audio files may be registered for use as calling tones, etc. (total length of within 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 format – Audio sample size: 16 bits – Audio sample rate: 8 kHz,16 kHz 8 kHz (when “Audio Codec (→page 78)” is "G.711 (μ-Law)" or "G.711 (A-Law)") 16 kHz (when “Audio Codec (→page 78)” is "G.722") – Channel 1 (monaural)
Default values	—

How to register a custom sound

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

Note

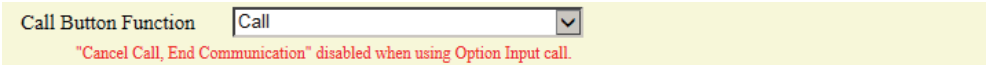
- When using this as a calling tone or ringtone, add a period of silence after the audio source.
- Sample files of custom sounds are provided on our website (https://www.aiphone.net/product/) for download and use as audio sources.

How to delete a custom sound

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

4. Call Settings

4.1 Station Information



■ Call Button Function

Description	Configure functionality when the call button is pressed.
Settings	• Call: Make an outgoing call. • Call, Cancel Call, End Communication: Make an outgoing call, or end the outgoing call or communication. • Call, Answer Call, End Communication: Make an outgoing call, answer a call when there is an incoming call or incoming page, or end the outgoing call or communication.
Default values	Call

Caution

If “Auto Answer (→page 99)” is set to "OFF," always set "Call Button Function" to "Call, Answer Call, End Communication." You will be unable to receive calls.

Note

• Contact input calls from this station and calls switched from a contact input call cannot be ended by pressing the call button.

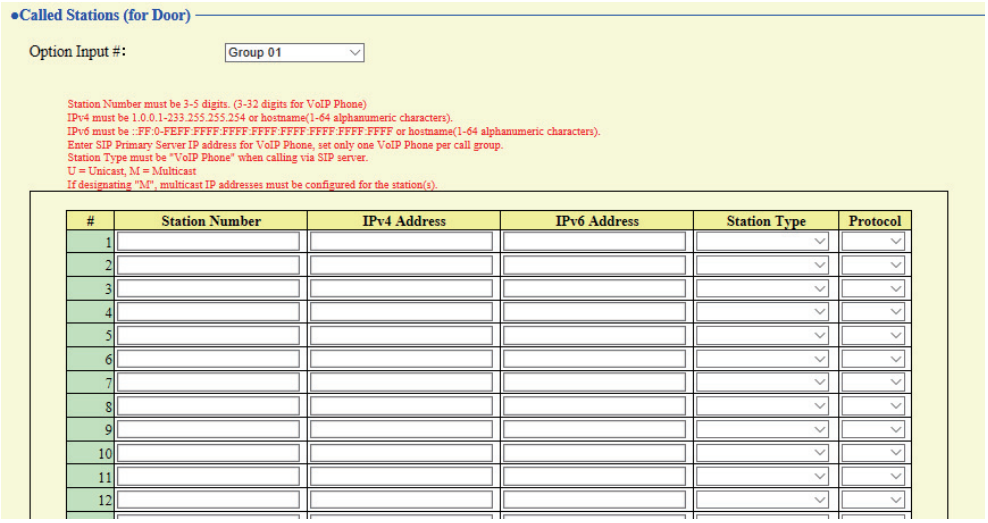
4.2 Called Stations (for Door)♣

Configure the group to call when the call button is pressed or a contact input call is made. 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 multiple times within a group.

• Only a single 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 are displayed.
2. Configure the stations to register to the group.
3. When done, click **[Update]**.

■ Station Number

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

■ IPv4 Address

Description	Set the IPv4 address of the station. When using a Hostname, set up “DNS (→page 68)”.
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. When using a hostname, set up “DNS (→page 68)”.
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-SS-2G • IX-SSA(-*) • VoIP Phone • IX-EA, IX-EAU: Not used. • IX-FA: Not used.
Default values	—

■ Protocol (IX-DV and IX-DVF(-*) only)

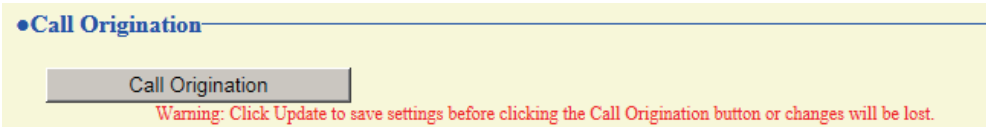
Description	Select the communication protocol used to make an outgoing call.
Settings	• U: When making an outgoing call, video and audio are sent via unicast. • M: When making an outgoing call, video is sent via multicast and audio is sent via unicast. This can be configured only when the recipient is IX-MV7-* or IX-MV.
Default values	—

Important

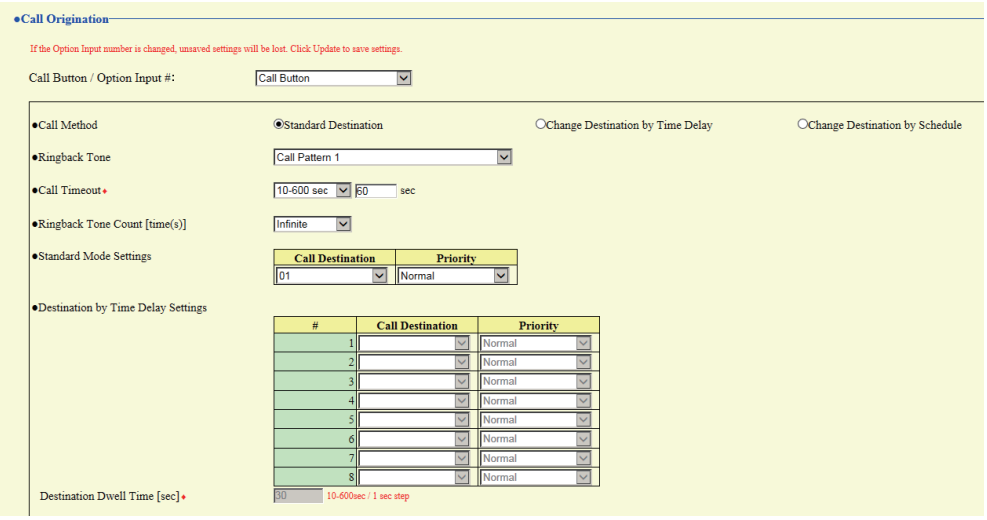
• If "M" was selected, be sure to configure “Multicast Address (IX-DV and IX-DVF(-*) only) (→page 73)”.

4.3 Call Origination

Click **[Call Origination]**.



Or, click "Call Origination" in the Setting menu to switch to the outgoing call screen.



4.3.1 Call Origination Advanced Settings

How to configure advanced Call Origination settings

1. In "Call Button / Option Input #," select "Call Button," "Option Input 1" to "Option Input 6."
   • Settings for the selected outgoing call method are displayed.
2. Configure each item.
3. When done, click **[Update]**.

■ Call Method

Description	Configure the automatic call recipient switching method. For details on how to configure the settings, refer to "Standard Mode Settings (→page 92)" and onward.
Settings	• Standard Destination: Switching not performed automatically. • Change Destination by Time Delay: Switches on timer set in "Destination Dwell Time [sec] (→page 92)". Switching destination groups are set in "Call Destination (→page 92)". Up to eight can be set. • Change Destination by Schedule: Switches on schedule set with "Schedule Settings (→page 93)".
Default values	Standard Destination

■ Ringback Tone

Description	Configure the calling tone heard from this station when an outgoing call is made.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
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 transmission time.
Settings	• 10 - 600 sec: Select when setting a value from 10 to 600 sec (by 1 sec). • Infinite: Outgoing call continues until the recipient responds.
Default values	60sec

Note

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

■ Ringback Tone Count [time(s)]

Description	Configure the calling tone ringtone count.
Settings	• 1 - 20 times • Infinite: The calling tone continues to play for the amount of time configured in “Call Timeout♦ (→page 91)”.
Default values	Infinite

4.3.1.1 Standard Mode Settings

Configure the call group number and call priority when “Call Method (→page 90)” is set to "Standard Destination".

■ Call Destination

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

■ Priority

Description	Configure 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 90)” is set to "Change Destination by Time Delay." A maximum of eight groups can be configured. Groups will be switched in order at each configured switchover time.

■ Call Destination

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

■ Priority

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

■ Destination Dwell Time [sec]♦

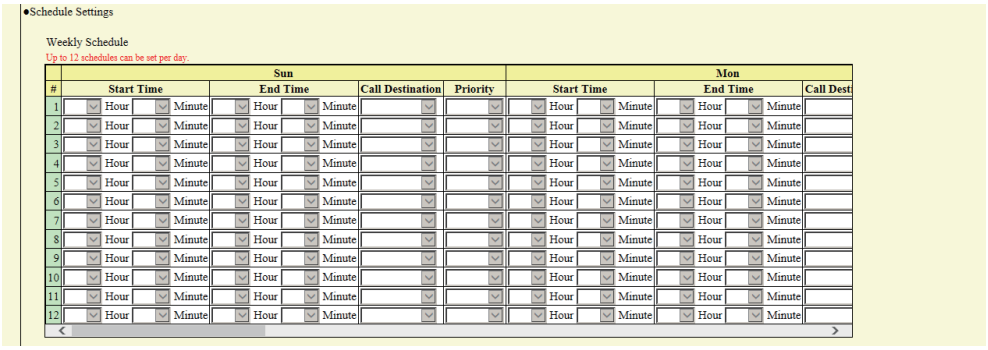
Description	Configure the switchover time for the call destination group.
Settings	10-600sec / 1 sec step
Default values	30 sec

■ Schedule Settings

Configure this if “Call Method (→page 90)” 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. When done, click **[Update]**.

■ Start Time

Description	Configure the time when call group switchover begins.
Settings	00:00 - 23:59
Default values	—

■ End Time

Description	Configure the time to end call group switchover. If this is set earlier than “Start Time (→page 93)”, the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

■ Call Destination

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

■ Priority

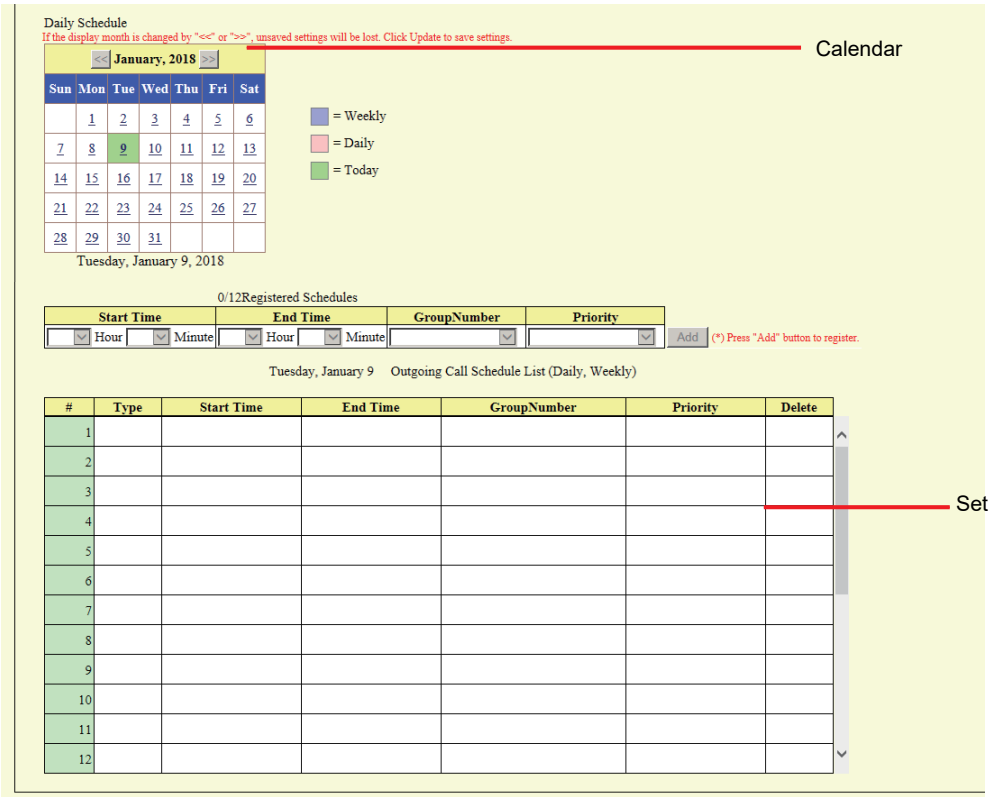
Description	Configure the call priority.
Settings	• Normal • Priority • Urgent
Default values	—

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 for which to set a schedule from "Calendar."
2. Configure "Start Time," "End Time," "Call Destination," and "Priority," and then click **[Add]**.
3. When done, click **[Update]**.

■ Start Time

Description	Configure the time when call group switchover begins.
Settings	00:00 - 23:59
Default values	—

■ End Time

Description	Configure the time to end call group switchover. If this is set earlier than "Start Time (→page 94)", the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

■ Call Destination

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

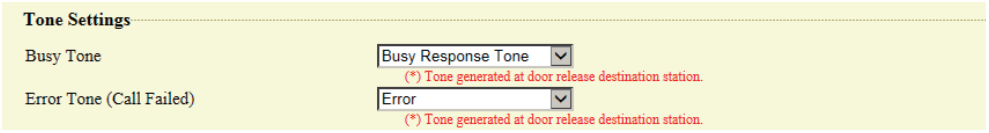
■ Priority

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

How to delete Daily Schedule

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
   • If a weekly schedule is configured for the selected day of the week, it will also be displayed.
3. Click **[Delete]** for the schedule to delete, and then click **[Update]**.
   • Refer to “How to delete the Weekly Schedule (→page 93)” for information on deleting weekly schedules.

4.3.2 Tone Settings



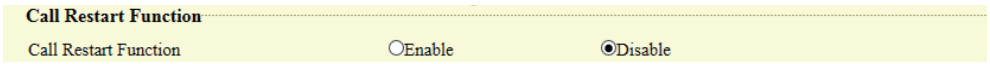
■ Busy Tone

Description	Select the tone heard from this device when an outgoing call is made and the other station is on a call.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Busy Response Tone

■ Error Tone (Call Failed)

Description	Select the tone that will be heard from this station when an outgoing call fails.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Error

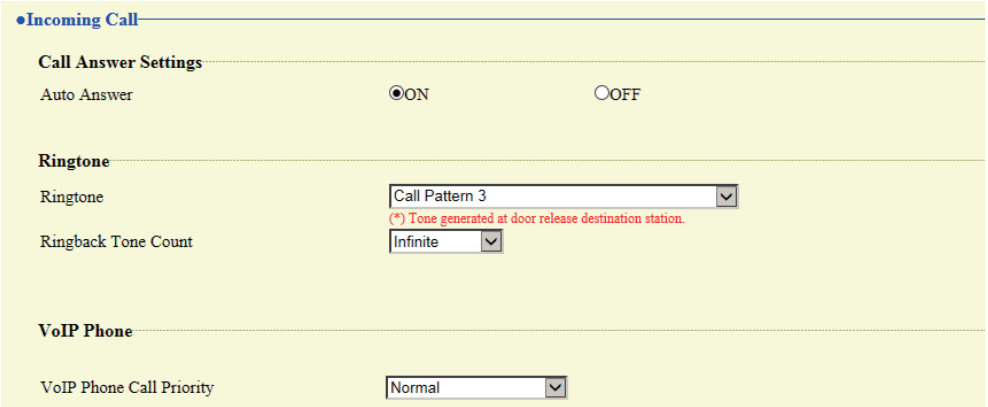
4.3.3 Call Restart Function



■ Call Restart Function

Description	Enable/Disable the Call Restart Function. Call Restart Function: If the station is reset during an outgoing call, the call is automatically resumed after the station recovers. However, a call may only be resumed twice in a row.
Settings	• Enable • Disable
Default values	Disable

4.4 Incoming Call



4.4.1 Call Answer Settings

■ Auto Answer

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

4.4.2 Ringtone

■ Ringtone

Description	Configure the ringtone.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Call Pattern3

■ Ringback Tone Count [time(s)]

Description	Configure the number of times the ringtone plays.
Settings	• Infinite: The ringtone continues until the call is connected or the caller stops calling. • 1 - 20 times
Default values	Infinite

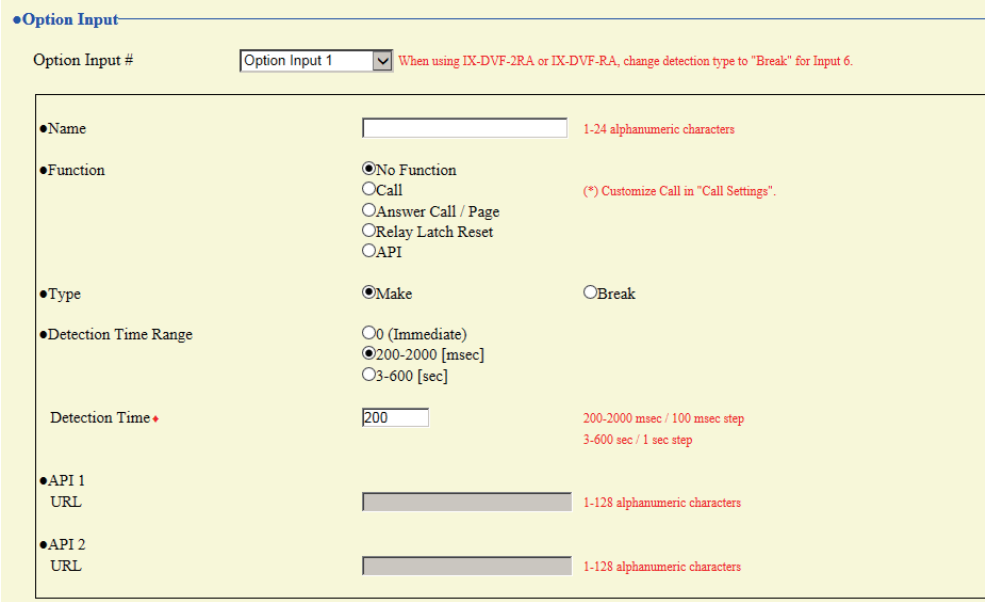
4.4.3 VoIP Phone

■ VoIP Phone Call Priority

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

5. Option Input / Relay Output Settings

5.1 Option Input



5.1.1 Option Input Advanced Settings

Important

- Do not change the "Function," "Detection Time Range," or "Detection time [msec / sec]♦" 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. When configuration is complete, click **[Update]**.

■ Name

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

■ Function

Description	Configure option input function.
Settings	• No Function • Call: Option input originates an outgoing call. Be sure to configure “Call Origination Advanced Settings (→page 90)” (outgoing call via option input 1 through 6). • Answer Call / Page: Option input during an incoming call answers the call. • Relay Latch Reset: If "Relay Output" - “Function (→page 104)” is set to "Latch Output," the flashing light is restored upon option input. • API: Option input sends the CGI command configured in “API 1 (→page 102)” “API 2 (→page 102)”.
Default values	No Function

■ Type

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

■ API 1

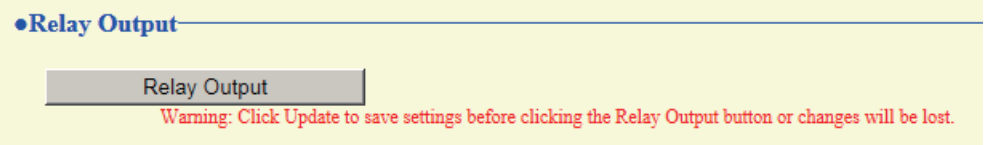
Description	Configure the CGI command sent when “Function (→page 102)” is set to "API."
Settings	URL: 1 - 128 alphanumeric characters.
Default values	—

■ API 2

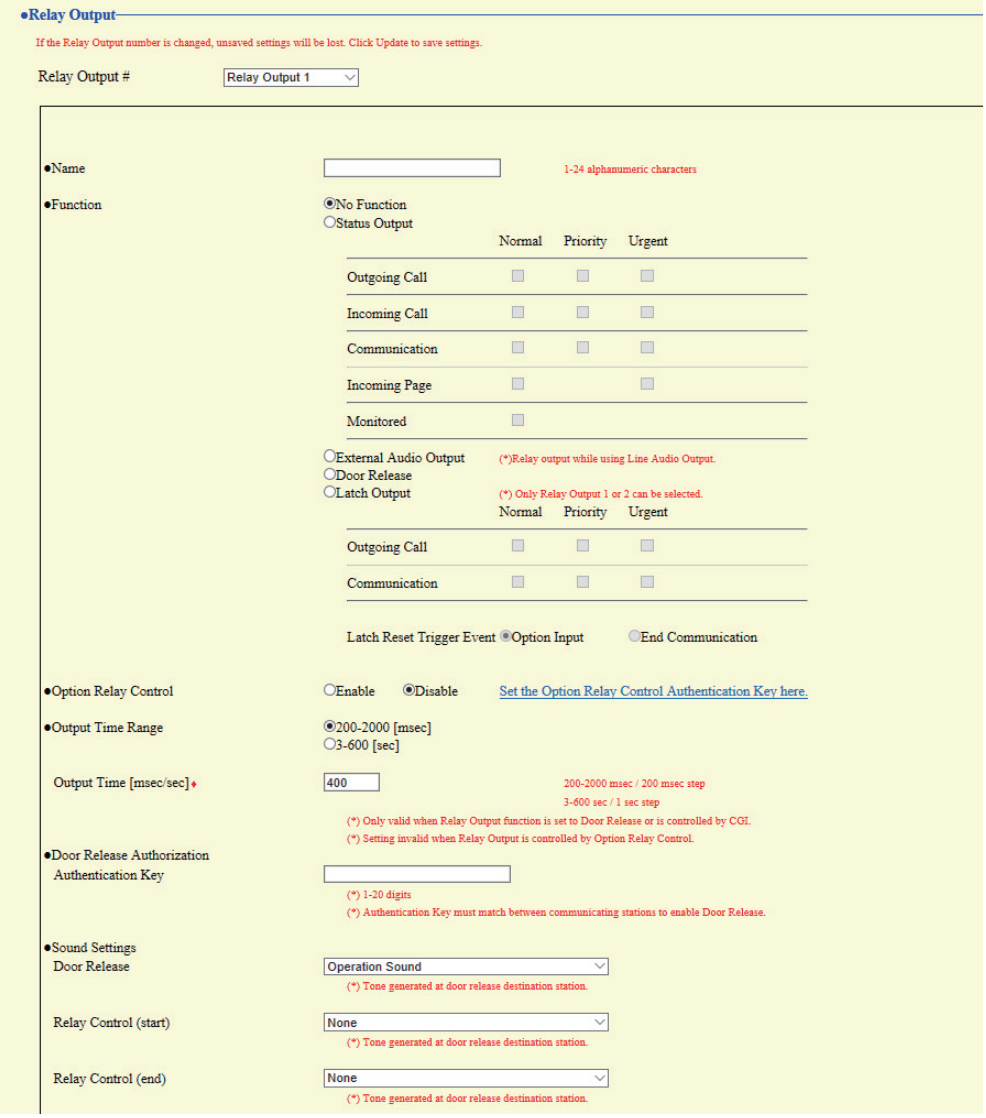
Description	Configure the CGI command sent when "API" is selected in “Function (→page 102)”.
Settings	URL: 1 - 128 alphanumeric characters.
Default values	—

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 latest command will take priority.
  - Function selected in "Function (→page 104)"
  - "Option Relay Control (→page 105)"
  - "Schedule Settings (→page 106)"
  - "CGI (→page 120)"

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 contact output are displayed.
2. Configure each item.
3. When configuration is complete, click **[Update]**.

■ Name

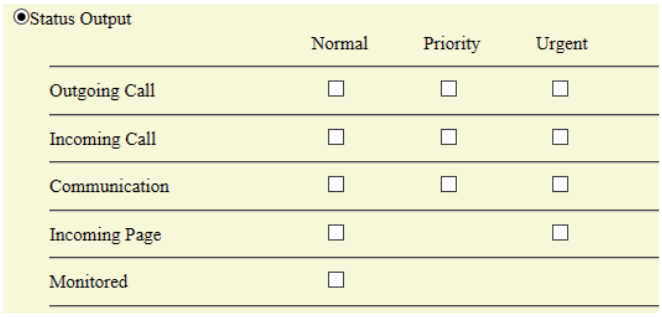
Description	Configure the name for the relay output.
Settings	1 - 24 alphanumeric characters
Default values	—

■ Function

Description	Configure the relay output function.
Settings	• No Function • Status Output: Relay output is performed based on the operation of the station. Relay output will continue during operation. Configure details in "Status Output advanced settings (→page 104)". • External Audio Output: Relay output is performed to control the paging amplifier while audio is output from the paging amplifier terminal. The relay output continues while audio is playing, regardless of the setting value in "Output Time Range (→page 105)". • Door Release: Relay output is performed together with the operation of the Door Release button on the station or VoIP phone, or by entering the door release key on the numerical keypad. Details are configured in "Output Time Range (→page 105)". • Latch Output: Relay output continues depending on station operation, and the flashing light is operated. Relay output continues until restoration, regardless of the setting value in "Output Time Range (→page 105)". Only one output terminal may be configured. Details are configured in "Latch Output advanced settings (→page 105)". Only one output terminal may be configured.
Default values	No Function

Status Output advanced settings

If "Function (→page 104)" is set to "Status Output," select the station operating state for when 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.

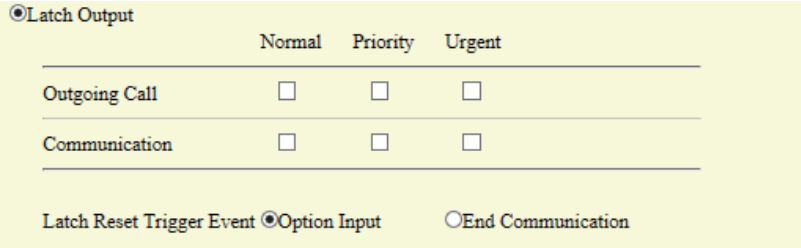
Latch Output advanced settings

If “Function (→page 104)” is set to "Latch Output," select the station operating state for when relay output occurs. This can be selected for each operation priority (multiple selections allowed).

You can choose from two restoration methods for relay output.

- Option Input (default value): The relay output operating the flashing light is stopped by contact input.
- End Communication: The relay output operating the flashing light is stopped by starting and ending a call or via contact input.

By default, all are set to "Option Input." To recover via contact input, be sure to set "Option Input" - “Function (→page 102)” to "Relay Latch Reset."



■ Option Relay Control

Description	Configure whether to Enable or Disable control when controlling the output terminals using the Speed Dial buttons on IX-MV7-*. 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	Configure the output time range of the relay output if “Function (→page 104)” is set to "Door Release" or if the relay output is controlled via “CGI (→page 120)”.
Settings	• 200 - 2000 [msec]: Select when configuring a value from 200 to 2000 msec (by 200 msec). Enter the time in "Output Time [msec/sec]♦." • 3 - 600 [sec]: Select when setting a value from 3 to 600 sec (by 1 sec). Enter the time in "Output Time [msec/sec]♦."
Default values	400 msec

■ Door Release Authorization

Description	If “Function (→page 104)” is set to "Door Release," configure the Authentication Key used to authenticate door release for the electrical lock connected to the station. Door release will be permitted if it matches the Authentication Key of the station connected to the door to release. This will also be the Authentication Key used to release the door using the numerical keypad on IX-MV7-* or the VoIP Phone.
Settings	1 - 20 digits
Default values	—

Important

- Configure the Authentication Key using 1 to 4 digits if the electrical lock connected to this device will be released by operating IX-MV.
- Configure a setting value for the Authentication Key that differs from the Authentication Key set in "Communication Audio Messages" and "Option Relay Control Authentication Key." If the setting value is the same, both functions might operate.

Note

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

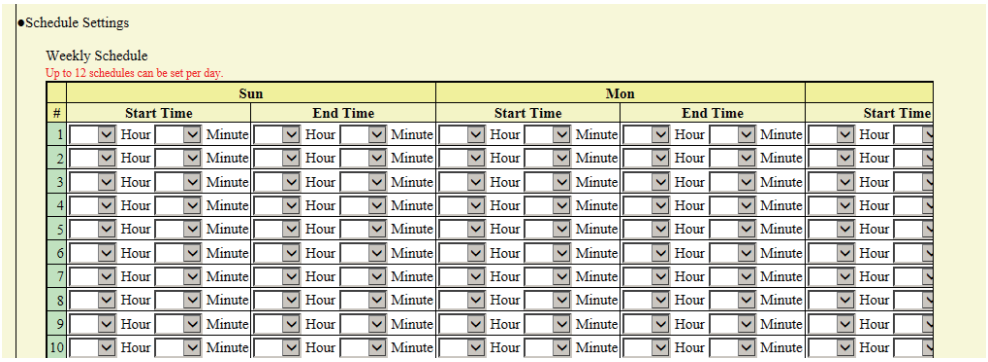
■ Sound Settings

Description	Configure the sound for the output terminal. • Door Release: Configure the tone heard when relay output is performed to release the electrical lock. • Relay Control (start): Configure the tone heard when relay output starts via optional relay. • Relay Control (end): Configure the tone heard when relay output stops via optional relay.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Door Release: Operation Sound Relay Control (start): None Relay Control (end): None

5.2.1.1 Schedule Settings

How to configure the Weekly Schedule

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



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

■ Start Time

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

■ End Time

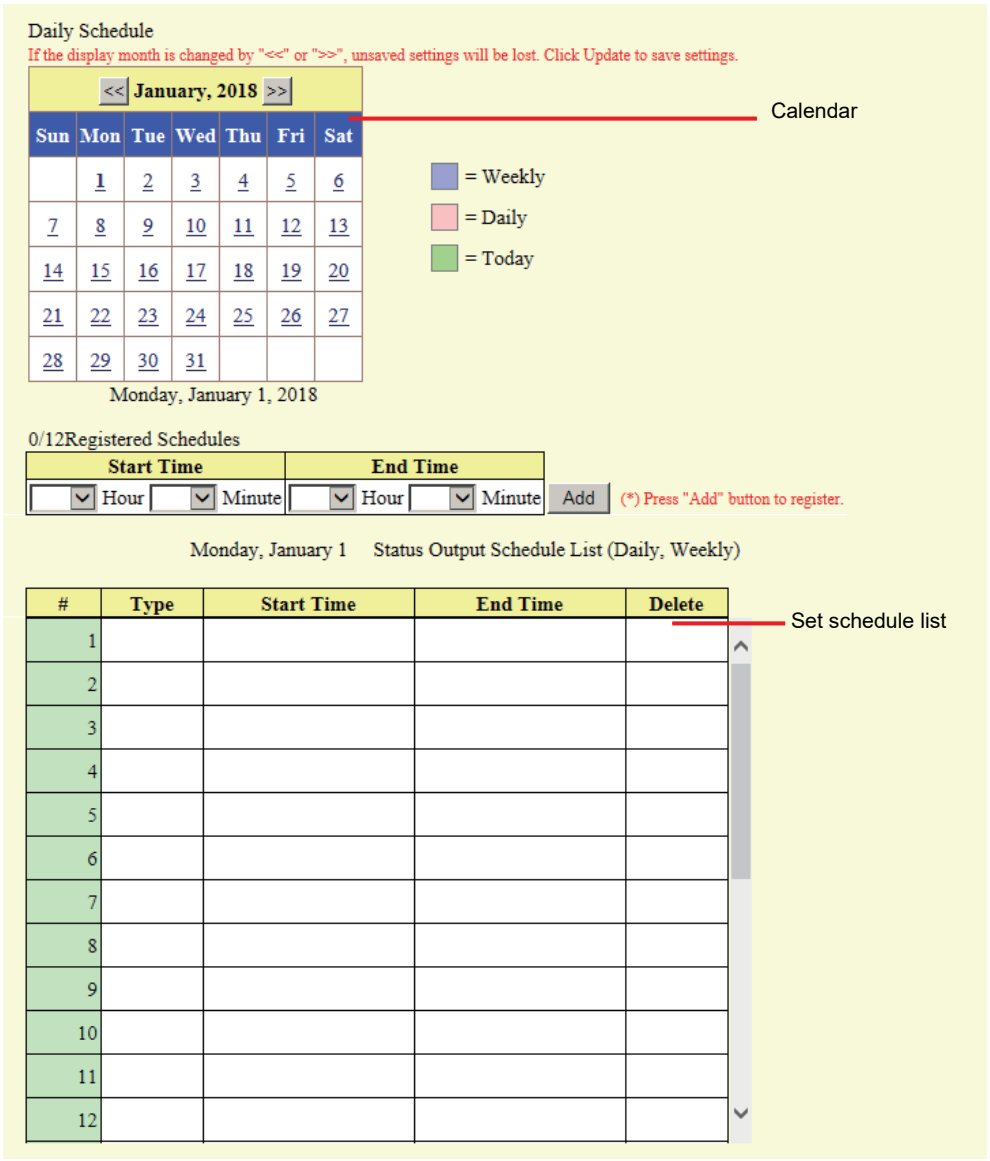
Description	Configure the time to stop relay output. If this is set earlier than “Start Time (→page 107)”, the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the Weekly Schedule

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

How to configure Daily Schedule

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



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

■ Start Time

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

■ End Time

Description	Configure the time to stop relay output. If this is set earlier than “Start Time (→page 108)”, the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

How to delete Daily Schedule

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
   • If a weekly schedule is configured for the selected day of the week, it will also be displayed.
3. Click **[Delete]** for the schedule to delete, and then click **[Update]**.
   • Refer to “How to delete the Weekly Schedule (→page 107)” for information on deleting weekly schedules.

5.2.2 Option Relay Control Authentication Key

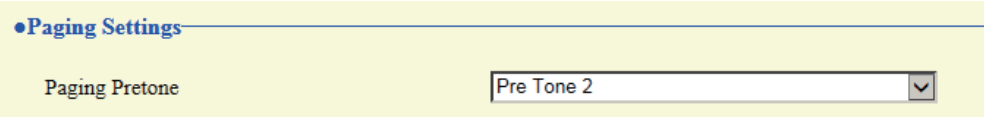
Description	If “Option Relay Control (→page 105)” is set to "Enable" and "Speed Dials / Favorites" - "TLS" is set to "Enable" for the station to control, configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station performing the operation, the output terminal can be controlled.
Settings	1 - 20 digits
Default values	—

Note

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

6. Function Settings

6.1 Paging Settings



■ Paging Pretone

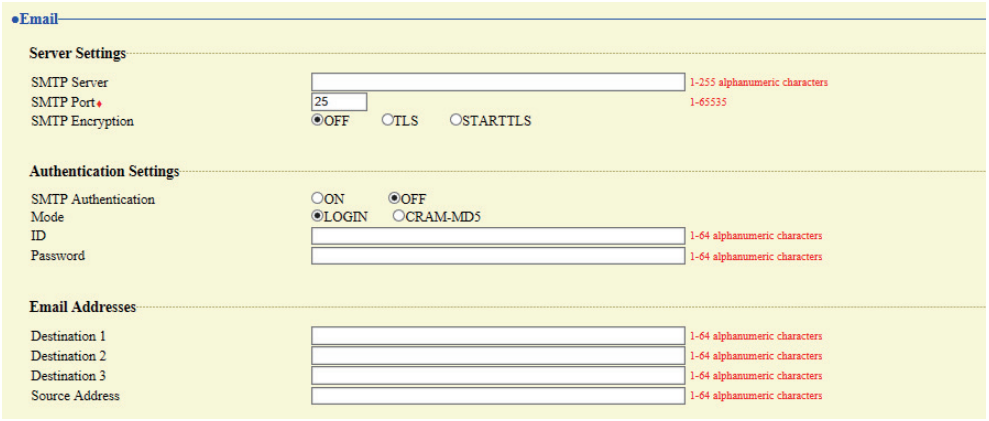
Description	Configure the announcement tone when a page is received.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Pre Tone 2

Important

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

6.2 Email

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



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

■ SMTP Encryption

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

6.2.2 Authentication Settings

■ SMTP Authentication

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

■ Mode

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

■ ID

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

■ Password

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

Note

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

6.2.3 Email Addresses

■ Destination 1

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

■ Destination 2

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

■ Destination 3

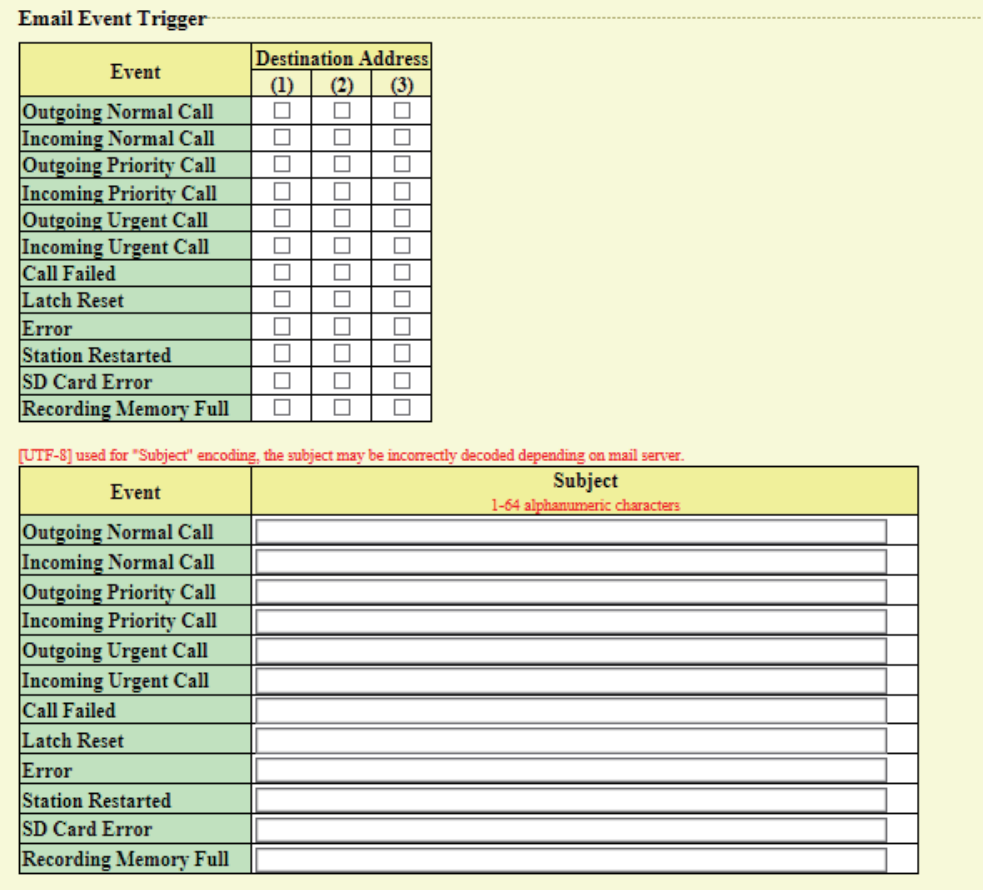
Description	Configure the email recipient address.
Settings	1 - 64 alphanumeric characters
Default values	—

■ Source Address

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

6.2.4 Email Event Trigger

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



■ Outgoing Normal Call

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

■ Incoming Normal Call

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

■ Outgoing Priority Call

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

■ Incoming Priority Call

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

■ Outgoing Urgent Call

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

■ Incoming Urgent Call

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

■ Call Failed

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

■ Latch Reset

Description	If “Relay Output (→page 103)” - "Function" is set to "Latch Output," an email message will be sent when the flashing light is restored.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Error

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

■ Station Restarted

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

■ SD Card Error

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

■ Recording Memory Full

Description	An email message is sent when a microSD card becomes one of the following stares. If the state is detected consecutively, an email message is not sent from the second time. • If “Prevent Overwrite (→page 130)” is set to "Enable" – When only 5% or less of the total storage space of the microSD card is free – When the number of video and audio files saved exceeds 950 • If “Prevent Overwrite (→page 130)” is set to "Disable" – When 0% of the total storage space of the microSD card is free – When the number of video and audio files saved reaches 999
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

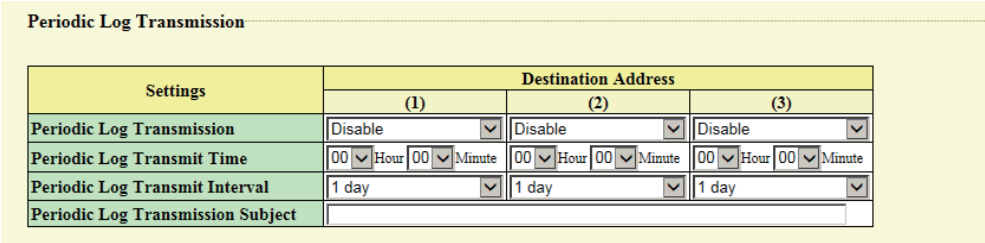
■ Subject

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

Important

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

6.2.5 Periodic Log Transmission



■ Periodic Log Transmission

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

■ Periodic Log Transmit Time

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

■ Periodic Log Transmit Interval

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

■ Periodic Log Transmission Subject

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

Important

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

6.2.6 Send Test Email

Send a test email to the destination address set in “Email Addresses (→page 113)”.

How to send a test email

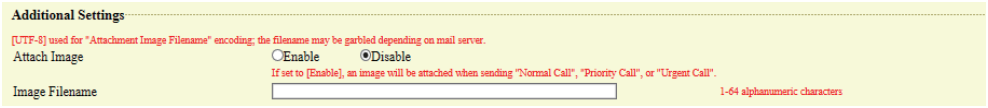
1. Click **[Send]**.
2. The following email is sent to the set email address.
   Example of sending an email message:
   When sending a test email from the station (Station Number: 003, Station Name: Door Station 3, Location: 2F West)

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

6.2.7 Additional Settings (IX-DV and IX-DVF(-*) only)



■ Attach Image

Description	Choose whether to attach an image file captured on camera to the email message when a Normal/Priority/Urgent call triggers due to “Email Event Trigger (→page 114)”.
Settings	• Enable • Disable
Default values	Disable

■ Image Filename

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

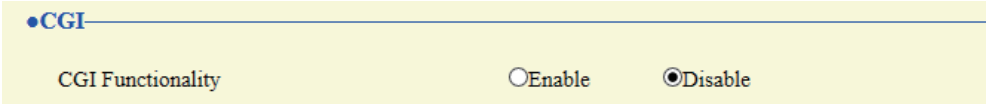
Important

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

6.3 CGI

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

6.3.1 CGI Functionality



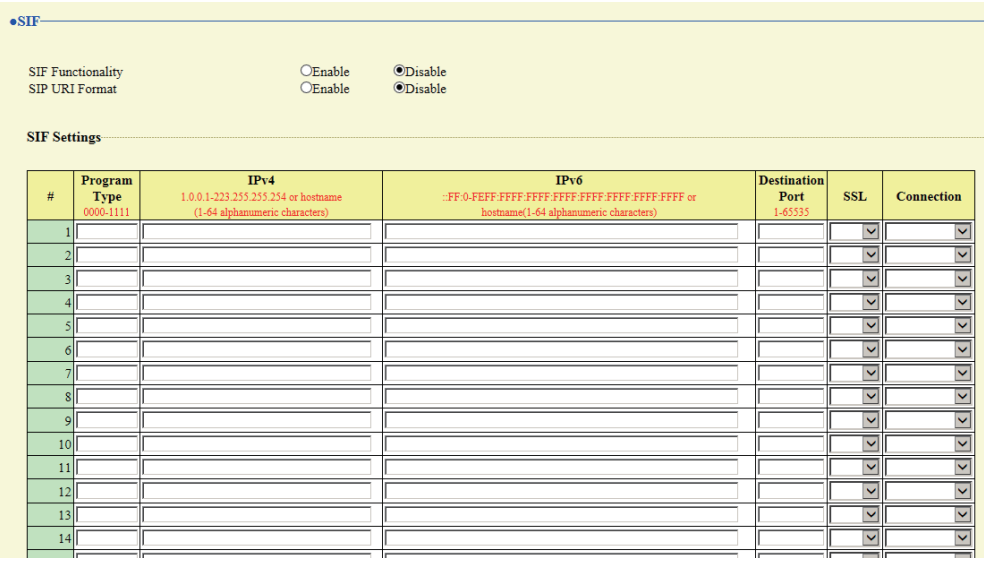
Description	Configure whether to receive CGI control commands.
Settings	• Enable • Disable
Default values	Disable

Important

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

6.4 SIF

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



6.4.1 SIF Functionality

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

6.4.2 SIP URI Format

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

6.4.3 SIF Settings

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

Note

- There are two ways to configure SIF communication: directly entering settings, or uploading a file in "SIF Communication Settings (sif.ini) (→page 128)". The latest setting will take priority.

■ Program Type

Description	Set the SIF program type code.
Settings	0000 - 1111 If this is set to "0000," "0001," or "0011," the “Transmission Trigger (→page 123)” setting will be disabled.
Default values	—

■ IPv4

Description	Set the IPv4 address of the SIF destination. When using a hostname, set up “DNS (→page 68)”.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 address of the SIF destination. When using a hostname, set up “DNS (→page 68)”.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1-64 alphanumeric characters)
Default values	—

■ Destination Port

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

■ SSL

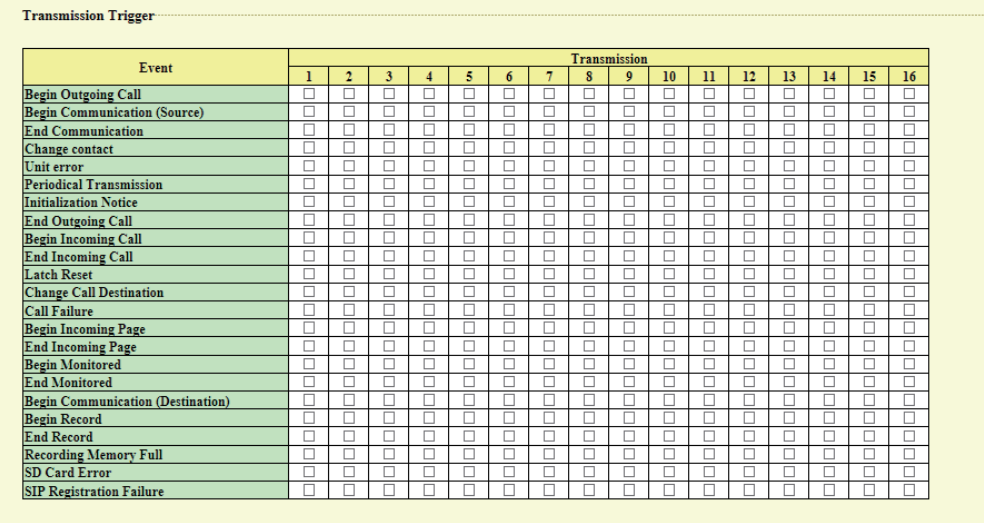
Description	Set whether SSL is used for communication.
Settings	• Enable • Disable
Default values	-

■ Connection

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

6.4.4 Transmission Trigger

Configure the SIF sending trigger when “Program Type (→page 122)” 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	A SIF command is sent when an outgoing call is made.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Source)

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

■ End Communication

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

■ Change contact

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

■ Unit error

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

■ Periodical Transmission

Description	Send device state periodically via SIF command. This will be sent at the interval set in “Periodical Transmission Interval (→page 127)”.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Initialization Notice

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

■ End Outgoing Call

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

■ Begin Incoming Call

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

■ End Incoming Call

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

■ Latch Reset

Description	If "Relay Output" - "Function (→page 104)" is set to "Latch Output," a SIF command will be sent when the flashing light is restored.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Change Call Destination

Description	A SIF command is sent from this station when there is a change in the call recipient linked with the timer or schedule, or a change in the call recipient due to absent transfer, delay transfer, or schedule transfer on the station that received the call.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Call Failure

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

■ Begin Incoming Page

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

■ End Incoming Page

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

■ Begin Monitored

Description	A SIF command is sent when the station starts being monitored by another station.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Monitored

Description	A SIF command is sent when the station stops being monitored by another station.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Destination)

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

■ Begin Record

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

■ End Record

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

■ Recording Memory Full

Description	A SIF command will be sent when the microSD card experiences any of the following. If multiple errors are detected in a row, a SIF command will not be sent from the second time onward. • If “Prevent Overwrite (→page 130)” is set to "Enable" – When only 5% or less of the total storage space of the microSD card is free – When the number of video and audio files saved exceeds 950 • If “Prevent Overwrite (→page 130)” is set to "Disable" – When 0% of the total storage space of the microSD card is free – When the number of video and audio files saved reaches 999
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SD Card Error

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

■ SIP Registration Failure

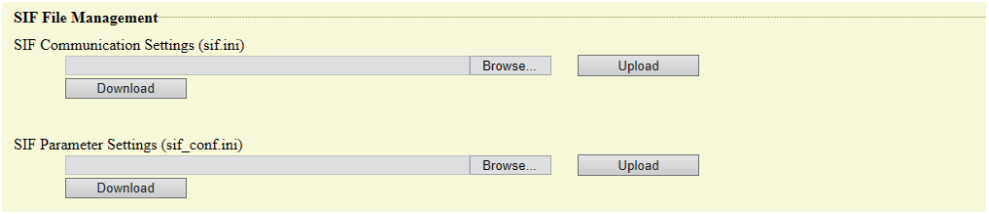
Description	A SIF command is sent when there is an error with the REGISTER request sent to the SIP server.
Settings	• Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

6.4.5 Periodical Transmission Interval

■ Periodical Transmission Interval♦

Description	Configure the transmission interval when “Periodical Transmission (→page 124)” is configured to periodically send the status of this station via SIF command.
Settings	• 0 (Do not send) - 1440 (min) • 1 - 59 (sec): Enter 10001 - 10059 when setting 1 - 59 sec.
Default values	0 (do not send)

6.4.6 SIF File Management



■ SIF Communication Settings (sif.ini)

Description	Upload or download the content in "SIF Settings (→page 121)" with "sif.ini." • Upload: Click **[Browse]**, select a file, and then click **[Upload]**. • Download: Click **[Download]** to save the file.
Settings	—
Default values	—

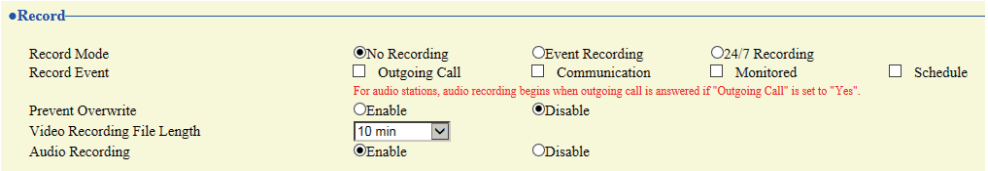
■ SIF Parameter Settings (sif_conf.ini)

Description	Use "sif_conf.ini" to upload or download SIF details if "Program Type (→page 122)" 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 UHS speed class 1 or greater



Important

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

■ Record Mode

Description	Configure the automatic video/audio recording mode.
Settings	• No Recording • Event Recording: Record video/audio when the trigger set by "Record Event" occurs. • 24/7 Recording: Recording is continuous as long as the station is running.
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 an outgoing call is started. Audio recording will start once the conversation has started after the outgoing call is made. • Communication: Video/audio recording will start once the conversation has started. • Monitored: Video/audio recording will start when monitored. • Schedule: Record video/audio during the schedule set in “Schedule Settings (→page 131)”.
Default values	Not selected

Important

- Video/audio recording will continue for the time set in “Weekly Schedule (→page 131)”, regardless of what is configured for other triggers.

■ Prevent Overwrite

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

■ Video Recording File Length

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

Note

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

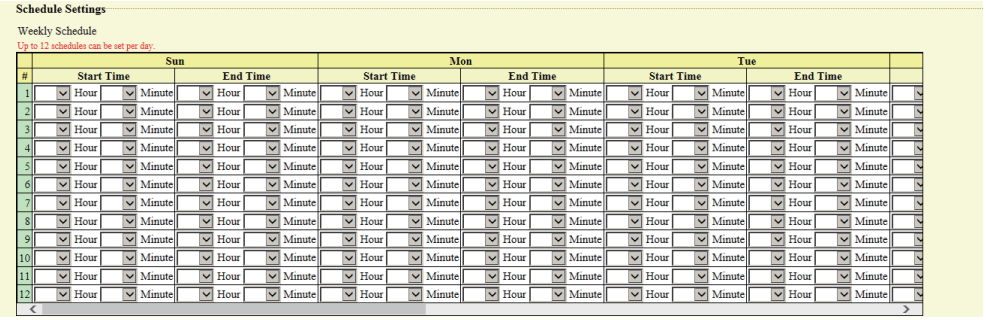
■ Audio Recording (IX-DV and IX-DVF(-*) only)

Description	This determines whether to record audio while recording 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. 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. When done, click **[Update]**.

■ Start Time

Description	Configure the time to start recording video/audio.
Settings	00:00 - 23:59
Default values	-

■ End Time

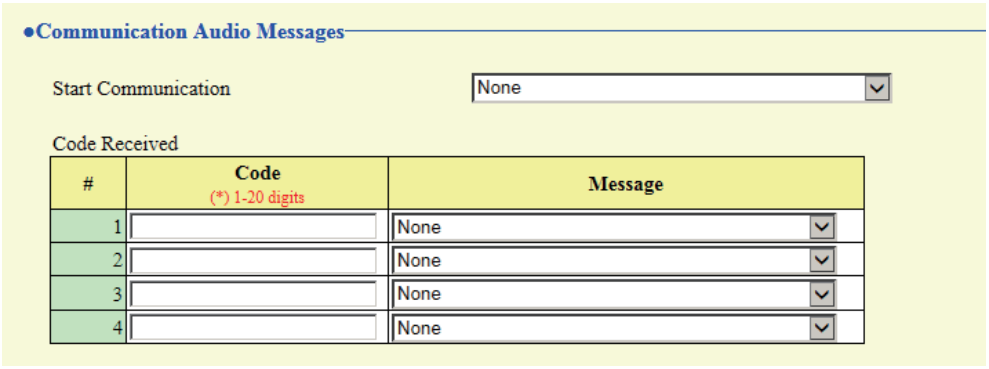
Description	Configure the time to stop recording video/audio. If this is set earlier than "Start Time (→page 131)", the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the weekly schedule

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

6.6 Communication Audio Messages

Configure the Communication Audio Messages.
Communication Audio Messages: This function transmits the messages such as the location when a call starts and when receiving a key entered on the numerical keypad of the other station (IX-MV7-* or VoIP Phone).



6.6.1 Start Communication

Description	Configure the message to send to the other station when making a call.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	None

6.6.2 Code Received

Configure the message sent when the key is received. Four patterns can be set for the authentication key and message.

■ Code

Description	Configure the authentication key that authenticates the input key commands from IX-MV7-* or an VoIP Phone.
Settings	1 - 20 digits
Default values	—

Note

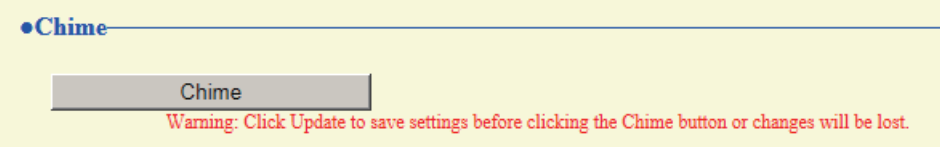
- The "Code" is displayed as "●●●●●" in the Settings screen.

■ Message

Description	Configure the message sent when the key sent from IX-MV7-* or a VoIP Phone is authenticated.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	None

6.7 Chime

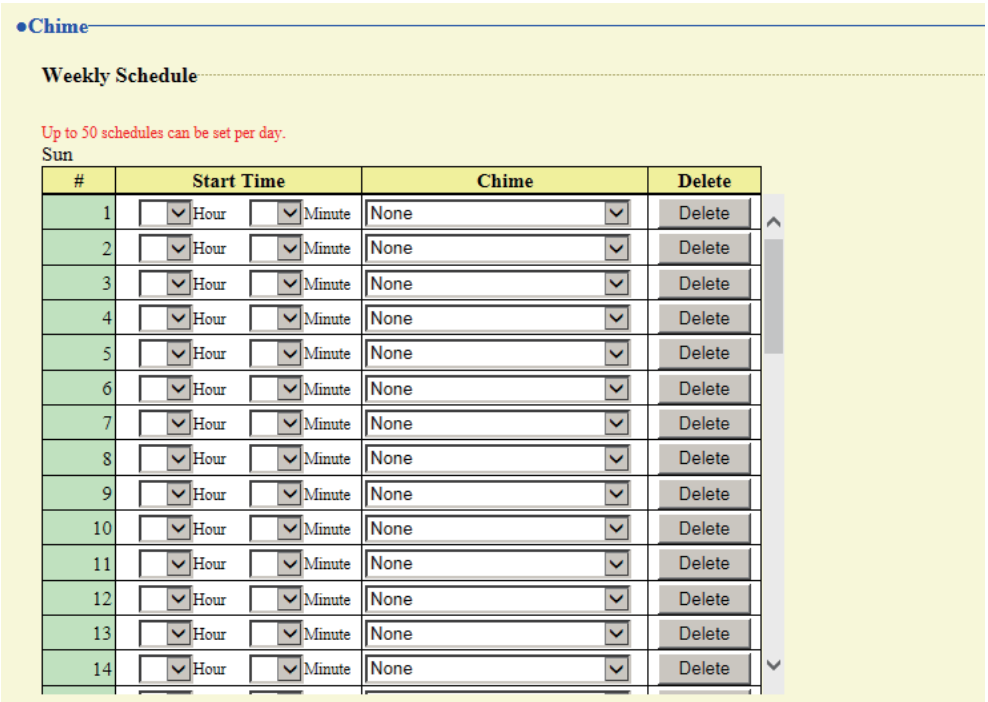
Configure the chime tone heard from this device linked with the set schedule.
Click **[Chime]**.



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

6.7.1 Weekly Schedule

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



How to configure the Weekly Schedule

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

■ Start Time

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

■ Chime

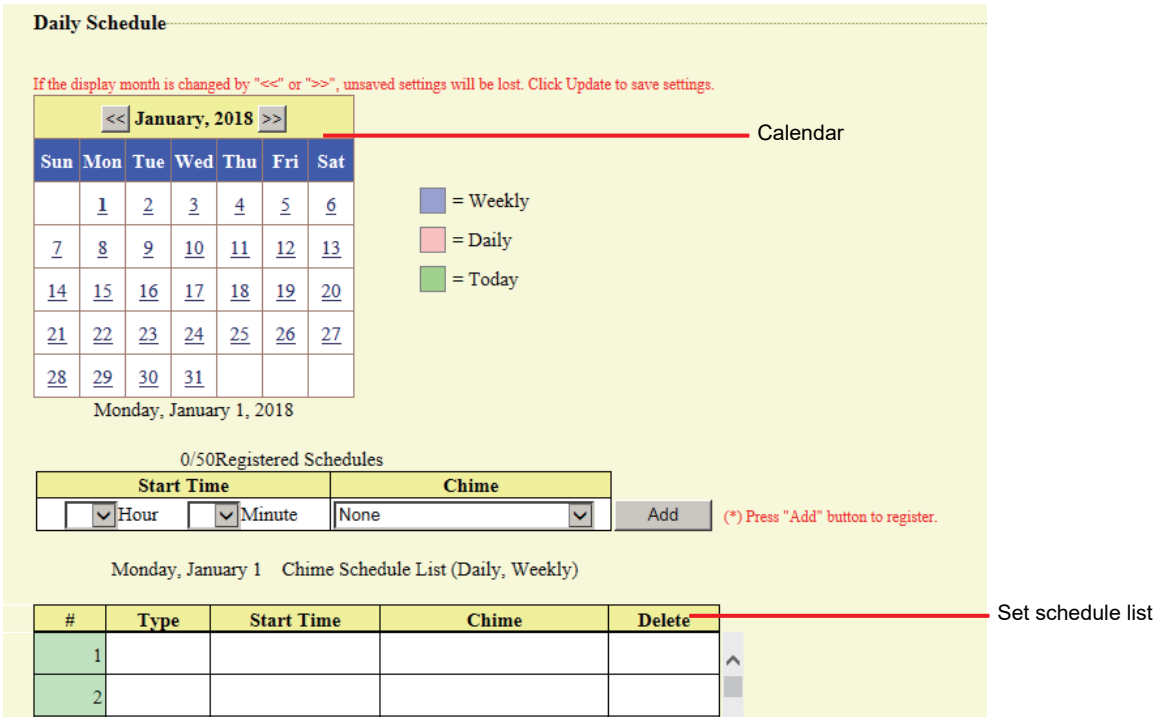
Description	Configure the chime sound to play.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
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 chime tone start time and the chime tone, in units of one day. A schedule one year from the set day can be configured. 50 schedules can be set for each day.



How to configure Daily Schedule

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

■ Start Time

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

■ Chime

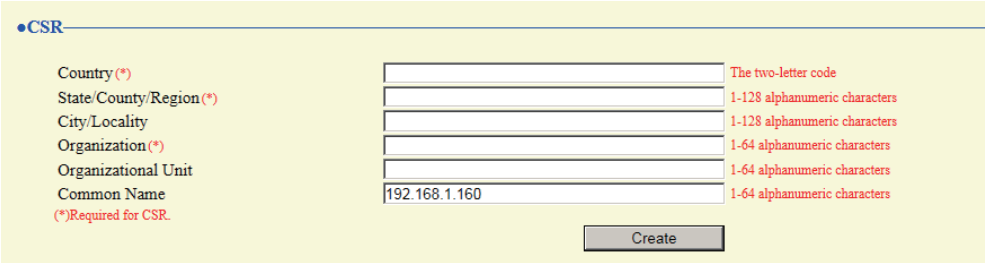
Description	Configure the chime sound to play.
Settings	• None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
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 displayed.
3. Click **[Delete]** for the schedule to delete, and then click **[Update]**.
   • Refer to “How to delete the Weekly Schedule (→page 135)” for information on deleting weekly schedules.

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 storage location, and then save the file that is generated.
   - The file will be saved as "CSR." Change the file name if required and save it.

■ Country

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

■ State/County/Region

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

■ City/Locality

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

■ Organization

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

■ Organizational Unit

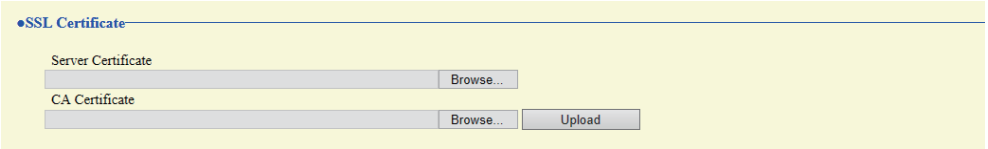
Description	Set the division name.
Settings	1-64 alphanumeric characters
Default values	-

■ Common Name

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

6.9 SSL Certificate

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



Important

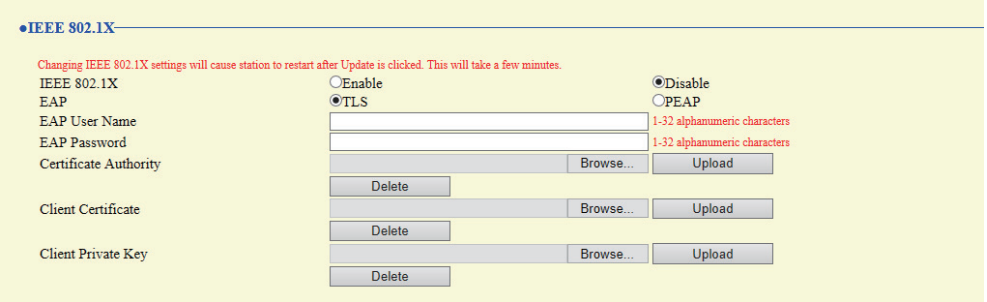
- When the SSL Certificate is uploaded, the device will restart. It may take around 10 minutes for the device to finish restarting. The station cannot be used until it has finished restarting.

How to upload an SSL Certificate

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

6.10 IEEE 802.1X

Configure the settings for IEEE 802.1X authentication.



Important

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

■ IEEE 802.1X

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

■ EAP

Description	Set the EAP when IEEE802.1X authentication is used.
Settings	• TLS • PEAP
Default values	TLS

■ EAP User Name

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

■ EAP Password

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

Note

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

■ Certificate Authority

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

■ Client Certificate

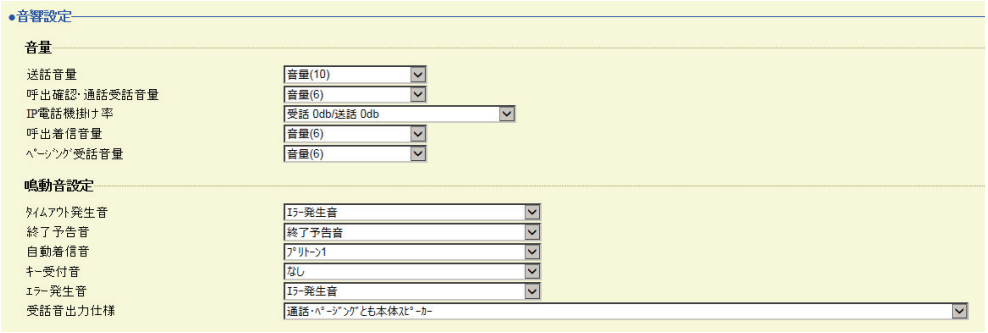
Description	Upload the certificate for client authentication if "EAP" is set to "TLS."
Settings	• Upload: Click **[Browse]**, select a file, and then click **[Upload]**. • Delete: Click **[Delete]** to delete registered data.
Default values	—

■ Client Private Key

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

7. Station Settings

7.1 Volume / Tone



7.1.1 Volume

■ Transmit

Description	Configure the transmit volume for calls and monitoring.
Settings	Volume (1) to Volume (10)
Default values	10

■ Receive

Description	Configure the receive volume during calls. The calling tone volume will be changed as well.
Settings	1 - 10
Default values	6

■ VoIP Phone Volume Adjustment

Description	Adjust the transmit/receive volume balance between this device and an VoIP Phone.
Settings	• -12dB from VoIP, +12dB to VoIP • -6dB from VoIP, +6dB to VoIP • No Adjustment • +6dB from VoIP, -6dB to VoIP • +12dB from VoIP, -12dB to VoIP
Default values	No Adjustment

■ Ringtone

Description	Configure the ringtone and paging received pretone volume.
Settings	0: Mute, 1 - 10
Default values	6

■ Paging

Description	Set the receive volume when receiving a page.
Settings	1 - 10
Default values	6

7.1.2 Tone

■ Communication Timeout Notification

Description	Configure the tone heard when an outgoing call is made but the call times out without the destination station answering.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Error

■ Communication End Pretone

Description	Configure the sound that plays approximately 10 seconds before the call ends.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Communication End Pretone

■ Auto Answer Tone

Description	Configure the tone heard when an individual call is received with “Auto Answer (→page 99)” set to "ON."
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Pre Tone 1

■ Key Received

Description	Configure the tone to send to the other station when the door release key entered using the numerical keypad on the other station (station performing a door release operation) matches the authentication key of this station. The tone will be heard on the other station.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	None

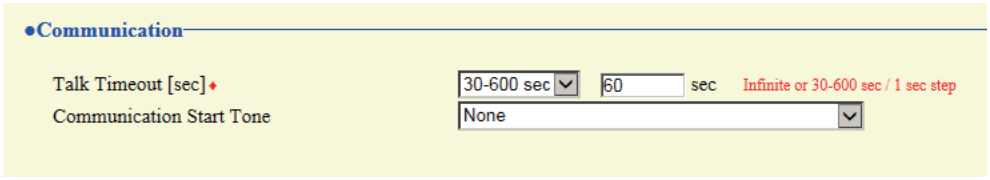
■ Error

Description	Configure the sound to play when an error occurs.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	Error

■ Audio Output (for Door)

Description	Configure how to output the incoming call tone during a call, and the announcement tone and incoming page tone when receiving a page.
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	Configure the call duration when making an outgoing call from this station or answering a call from an incoming page. The call duration during an incoming call will be the call duration configured on the other station.
Settings	• Infinite: Do not end until end operation is performed. • 30 - 600 sec: Select when setting a value from 30 to 600 sec (by 1 sec).
Default values	60 sec

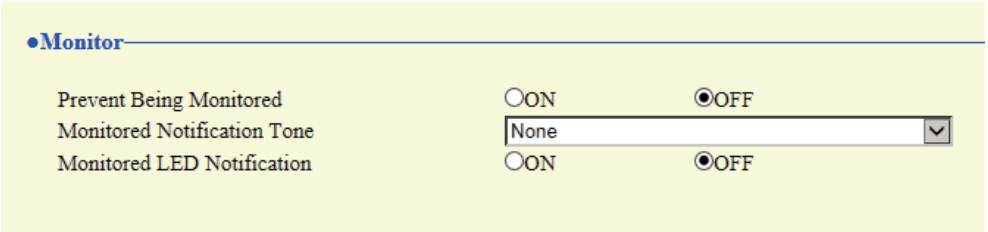
Important

• When on a call with an VoIP Phone, this will be the call duration configured on the VoIP Phone.

■ Communication Start Tone

Description	Configure the tone to play on this station when a call starts.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	None

7.3 Monitor



■ Prevent Being Monitored

Description	Configure whether to prohibit monitoring from another station.
Settings	• OFF • ON
Default values	OFF

■ Monitored Notification Tone

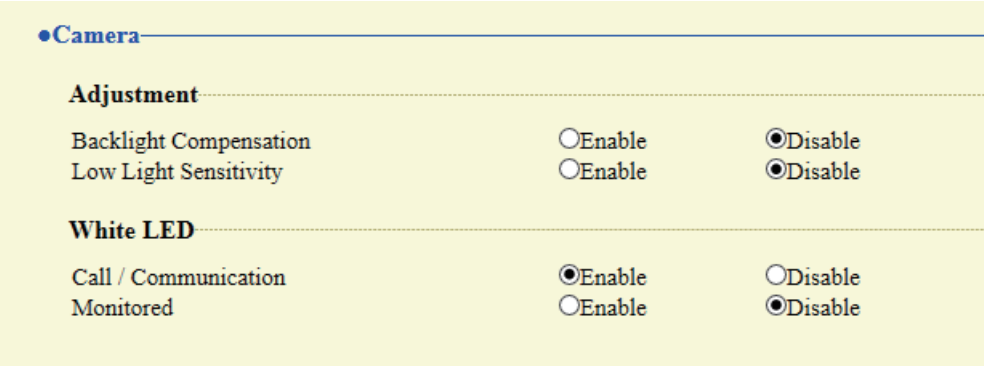
Description	Configure the tone heard when monitoring from another station starts.
Settings	• None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select from the sound source registered in “Custom Sound Registry (→page 85)”.
Default values	None

■ Monitored LED Notification

Description	Configure whether the status indicator flashes blue when monitoring from another station starts.
Settings	• ON • OFF
Default values	OFF

7.4 Camera (IX-DV and IX-DVF(-*) only)

Configure the settings for the camera.



7.4.1 Adjustment

■ Backlight Compensation

Description	Send an image for which backlight compensation was performed to the other station, when an outgoing call is made or the station is being monitored. The compensation can be removed on the other station.
Settings	• Enable • Disable
Default values	Disable

■ Low Light Sensitivity

Description	Send an image for which 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	Configure whether to turn the night LED illumination ON when making outgoing calls in dark areas, such as at night.
Settings	• Enable • Disable
Default values	Enable

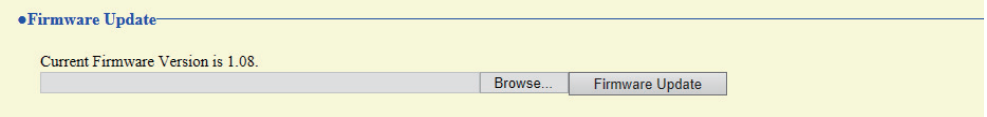
■ Monitored

Description	Activate the night light LED when monitored while the ambient lighting is dark.
Settings	• Enable • Disable
Default values	Disable

8. Maintenance

8.1 Firmware Update

After accessing our Web site at https://www.aiphone.net/product/ and downloading the most recent firmware version for the station, update the firmware.



How to update the firmware

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

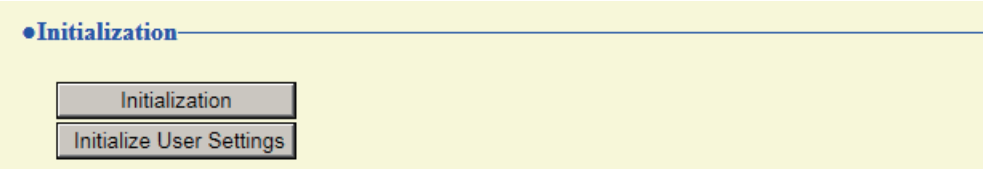
Important

- If the firmware update is started while the station is operating (such as on a call), the operation will end and the firmware update will begin.
- If power is turned off while updating the firmware, the station may malfunction.
- The station will be inoperable while updating the firmware.
- 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 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 is cleared.
   - Initialize User Settings: Only user settings are initialized.
2. Click **[OK]**.
   - Click **[Cancel]** to cancel the initialization.

Important

- When "**[Initialization]**" is selected and the settings are initialized, the device will restart. It may take around 10 minutes for the device to finish restarting. The station cannot be used until it has finished restarting.
- If the initialization process fails, a message ("Error: Station initialization failed.") will be displayed. Re-initialize if this happens.

8.3 Settings File Backup

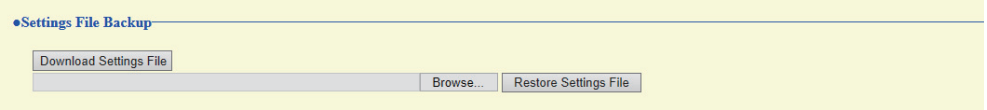
Back up the setting file so it can be used to restore the system.

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 85)"
  - SIF data uploaded in "SIF (→page 121)"
  - Certificate data uploaded in "SSL Certificate (→page 140)"
  - Certificate and other data uploaded in "IEEE 802.1X (→page 141)"

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



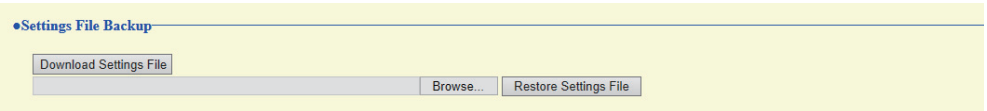
2. Specify the location to store the setting file.
   - The setting file will be saved as "GetConfig." Change the file name as necessary and save it.

How to restore setting file

Important

- When setting data is restored (including updating the IP address), the station will restart. In some cases, it may take around 10 minutes for the station to start up.
- 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 85)"
  - SIF data uploaded in "SIF (→page 121)"
  - Certificate data uploaded in "SSL Certificate (→page 140)"
  - Certificate data and the like uploaded in "IEEE 802.1X (→page 141)"

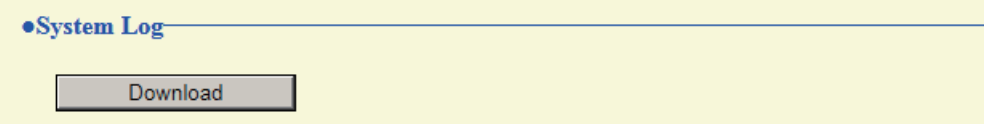
1. Click **[Browse]**.



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

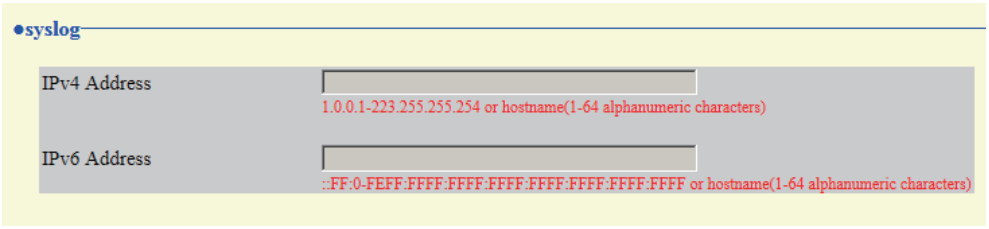
Obtain the system log to view the operation of the station. The log is mainly used for after-sales servicing.



How to view the system log

1. Click **[Download]**.
2. Specify the storage location to save the system log.
   • The system log will be saved as "systemlog.txt." Change the file name as necessary and save it.

8.5 syslog



■ IPv4 Address

Description	Not used.

■ IPv6 Address

Description	Not used.

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

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

Important

- Video from IX-DV and IX-DVF(-*) cameras cannot be viewed simultaneously by more than two 3rd party products.
- Audio will not be distributed if "Audio Codec (→page 78)" is set to "G.722."
- The "ONVIF ID" and "ONVIF Password" may be changed by the 3rd party product.

■ Configuring so that IX-DV and IX-DVF(-*) video can be viewed on a 3rd party product

1. Choose "Second Video Encoder (→page 76)" for "Enable."
2. Configure advanced video and audio settings.
   - Configure video in "Video Encoder 2 (→page 76)", and audio in "Audio 2 RTP Start Port♦ (→page 79)" and "Audio 2 RTP End Port♦ (→page 79)".
3. Register IX-DV or IX-DVF(-*) on the 3rd party product.
   - Enter the following as required.
     – ONVIF ID: Configure in "ONVIF ID (IX-DV and IX-DVF(-*) only) ♦ (→page 61)"
     – ONVIF Password: Configure in "ONVIF Password (IX-DV and IX-DVF(-*) only) ♦ (→page 61)"
     – ONVIF port number: 10080
     – RTSP ID: Configure in "RTSP ID♦ (→page 62)"
     – RTSP Password : Configure in "RTSP Password ♦ (→page 62)"
     – RTSP port number: 554
   - For how to register, refer to the instruction manual of the product to be registered.

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