

## IX Series

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: 3.00 and above**

### Important

- Before configuring and using the system, read Web Setting Manual (this document) and Operation Manual carefully.
- For the installation and connection of each device, refer to "Installation Manual."
- Begin installation after reading and understanding the procedures for system configuration.
- The system settings file is required for post-installation maintenance and service. The setting file must be given to the customer.
- The illustrations used in this manual may differ from the actual product.
- The Web Settings are limited to the following when the Expanded System is set to "Enable."
  - Only the Maintenance Settings can be configured.
  - The web cannot be used with user account privileges.

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# Introduction

This manual describes how to set up the 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

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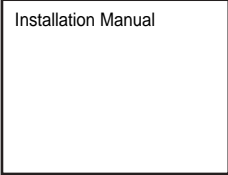

The following symbols identify important information concerning operational procedures.

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

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

## 2. Product manuals

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

	<p><b>Installation Manual (comes with each station.)</b> Refer to this when you install and connect a station. (This manual is for the installer.)</p>
	<p>Quick Start Guide (booklet included with the IX-MV7-*.) This Setting Manual explains how to easily configure the IX Support Tool. (For system administrators)</p>
<p>The manuals listed on the right are posted on our web site at "<a href="https://www.aiphone.co.jp/data/">https://www.aiphone.co.jp/data/</a>." Please download and refer to them as needed.</p>	<p><b>IX Support Tool Setting Manual (electronic manual (PDF file).)</b> Describes how to configure and maintain the system using the IX Support Tool. (For system administrators)</p>
	<p>Quick Start Guide (electronic manual (PDF file).) This Setting Manual explains how to easily configure the IX Support Tool. (For system administrators)</p>
	<p><b>Monitoring Software (IX Supervision Tool) Operation Manual (Electronic format (PDF file).)</b> Describes how to use the Monitoring Software. (For system administrator)</p>
	<p><b>Operation Manual (Electronic format (PDF file).)</b> Describes how to use each station. (For user)</p>
	<p><b>Web Setting Manual (Electronic format (PDF file).)</b> Describes how to set up each station through a web browser. (For system administrator)</p>
<p><b>Installation Manual (Electronic format (PDF file).)</b> Describes how to install each station. (For installer)</p>	

## 3. Configuring the system

---

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

- (1) Configure using the "IX Support Tool" application
  - Install the application on a PC and use to create the configuration for all stations.
  - Search for IX systems on the network; assign and upload configuration data for the system.
- (2) Configure each station through a web browser (web configuration)
  - Access each station through a web browser and enter setting data.
  - When configuring a station without using IX Support Tool, settings must be manually input and the setting data must be individually stored.

### Important

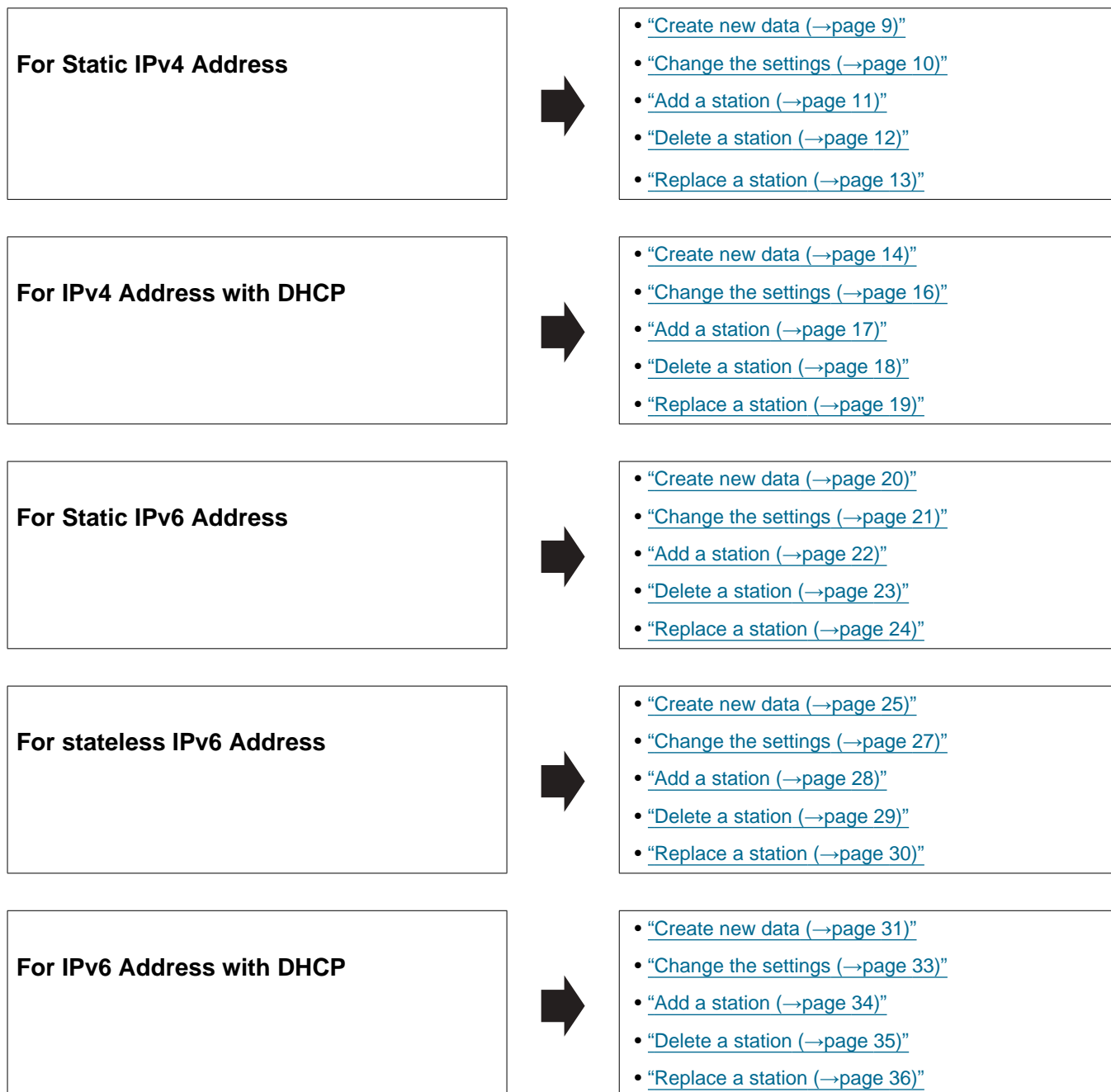
- Once the system has been configured through a browser, the settings cannot be transferred to the IX Support Tool. Using the IX Support Tool is the recommended method to manage settings.
- If web browser configuration is used to change the "Identification" "[Number♣♣ \(→page 61\)](#)", "ID and Password" "[Administrator ID♣♣ \(→page 62\)](#)" "[Administrator Password♣♣ \(→page 62\)](#)", "IPv4 Address" "[IP Address♣♣ \(→page 69\)](#)", and "IPv6 Address" "[IP Address \(→page 69\)](#)" and "[Called Stations \(for Door\) \(→page 89\)](#)" after configured using the IX Support Tool, it will not be applied to the IX Support Tool settings.

## 4. Flowcharts for configuring the system

When configuring the system through a browser, follow the flowchart that fits the application. Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 153\)”](#) 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.





## 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 if post-installation service or maintenance is required.

### 4.1.1 Create new data

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

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

The default IP addresses of the stations are identical, so connect and configure one at a time.

[“Connecting to a PC \(→page 44\)”](#)



#### 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. Set [“Language \(→page 64\)”](#).

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



#### 4. Configure the station.

[“Configuring the Station \(→page 60\)”](#)



#### 5. Configure other stations in the same manner.

Refer to each station's Web Setting Manual.



#### 6. Complete.

---

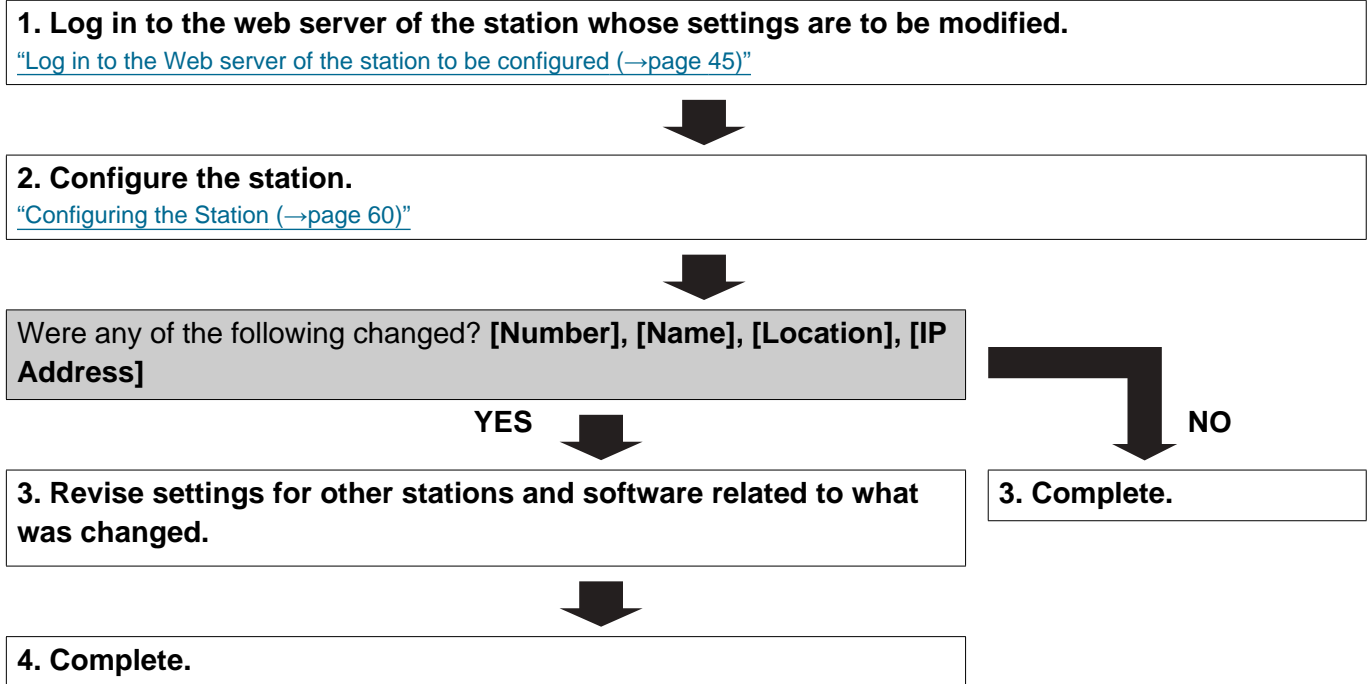
---

## 4.1.2 Change the settings

---

---

Use this flowchart to change the settings.



---

---

### 4.1.3 Add a station

---

---

Use this flowchart to add a station.

**1. Connect PC to the station to be added.**

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

[“Connecting to a PC \(→page 44\)”](#)



**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. Set “Language (→page 64)”.**

Click [Update] to update the settings.



**4. Configure the station.**

[“Configuring the Station \(→page 60\)”](#)



**5. Add settings data to existing stations if required.**



**6. Complete.**

---

---

#### 4.1.4 Delete a station

---

---

Use this flowchart to delete a station.

 **Important**

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

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



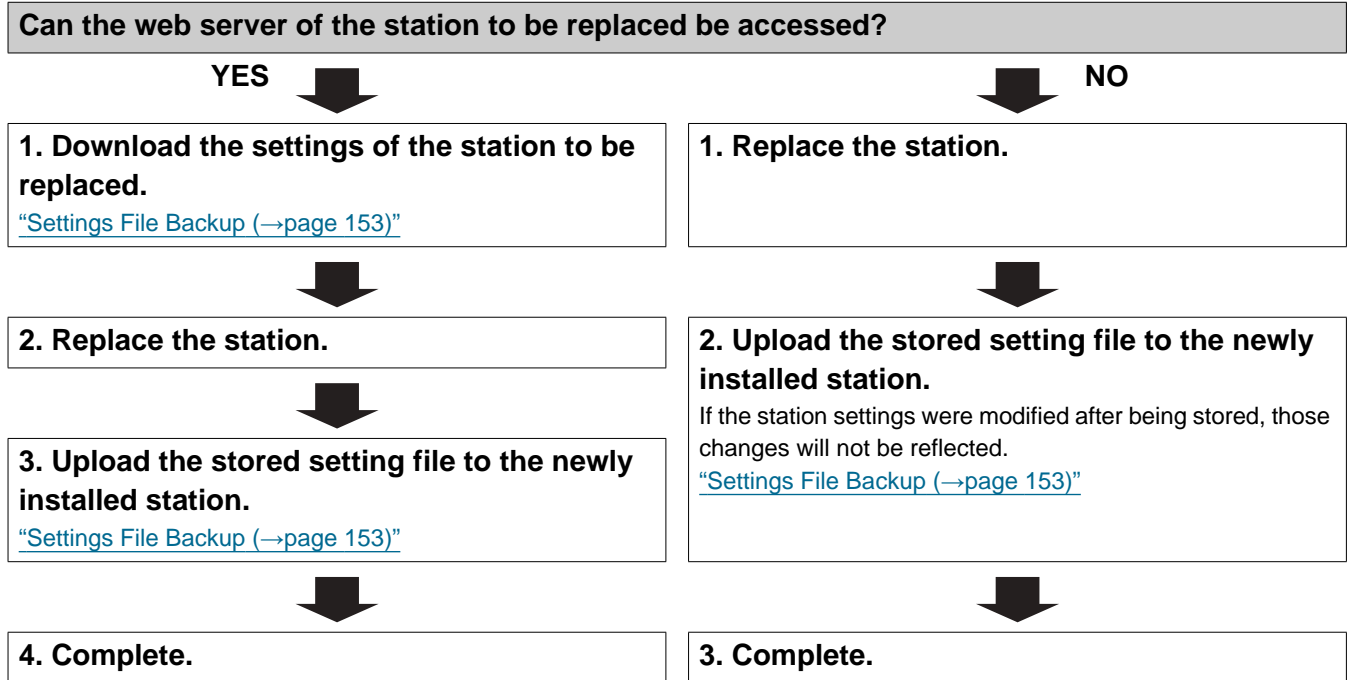
**2. Complete.**

---

## 4.1.5 Replace a station

---

Use this flowchart to replace a station.



## 4.2 For IPv4 Address with DHCP

### ! Important

- Due to the architecture of the IX system, DHCP configuration is only recommended for network environments utilizing managed (static) IP address leasing. For how to set up the DHCP server, refer to its manual.
- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 153\)”](#).
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

### 4.2.1 Create new data

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

#### 1. Install the DHCP server.



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

The default IP addresses of the stations are identical. Connect one at a time.  
[“Connecting to a PC \(→page 44\)”](#)



#### 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 \(→page 68\)”](#)

The station restarts and the IP address that is configured with the DHCP server is assigned. If the IP address fails to be automatically configured, it will become "192.168.1.160." If this happens, cycle power to the station, and then the IP address will be automatically reconfigured.



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

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)



#### 6. Set [“Language \(→page 64\)”](#).

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





**7. Configure the station.**

["Configuring the Station \(→page 60\)"](#)



**8. Configure other stations in the same manner.**

Refer to each station's Web Setting Manual.



**9. Complete.**

---

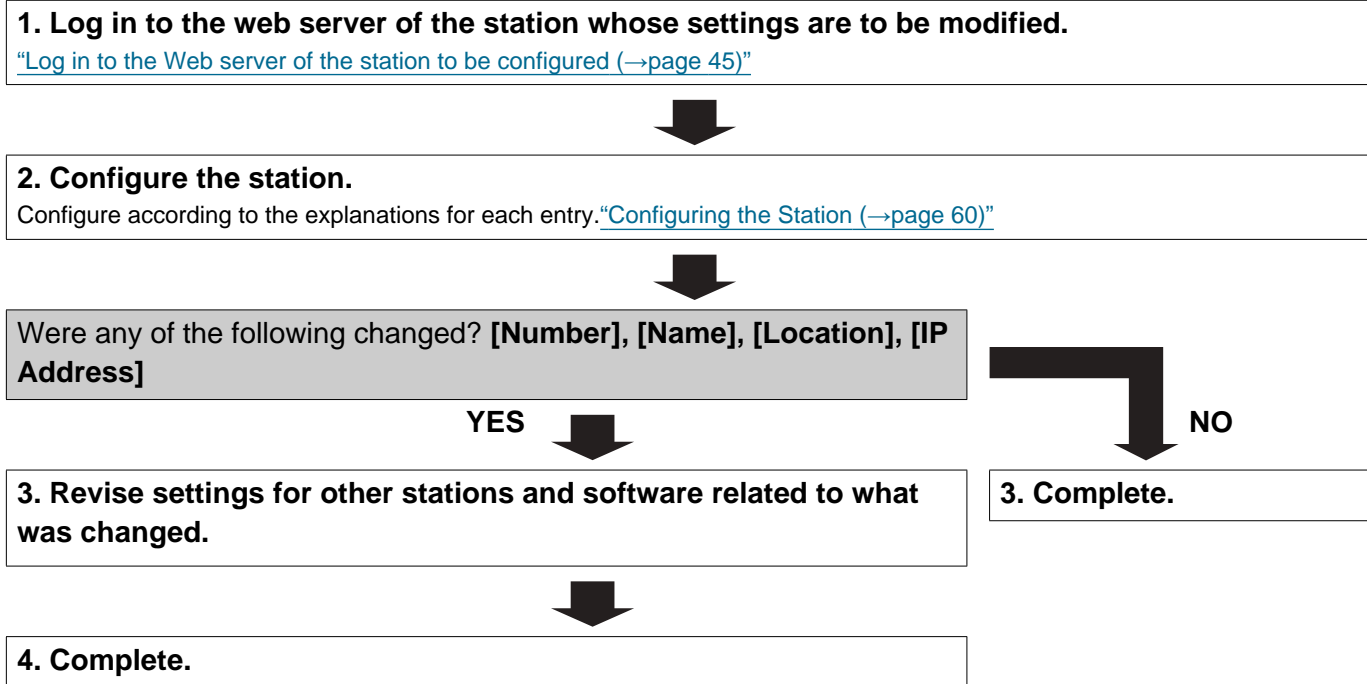
---

## 4.2.2 Change the settings

---

---

Use this flowchart to change the settings.





---

### 4.2.3 Add a station

---

Use this flowchart to add a station.

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

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



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

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

[“Connecting to a PC \(→page 44\)”](#)



**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 \(→page 68\)”](#)

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. Set “Language (→page 64)”.**

Click [Update] to update the settings.



**7. Configure the station.**

[“Configuring the Station \(→page 60\)”](#)



**8. Add settings data to existing stations if required.**



**9. Complete.**

---

---

## 4.2.4 Delete a station

---

---

Use this flowchart to delete a station.

 **Important**

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

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



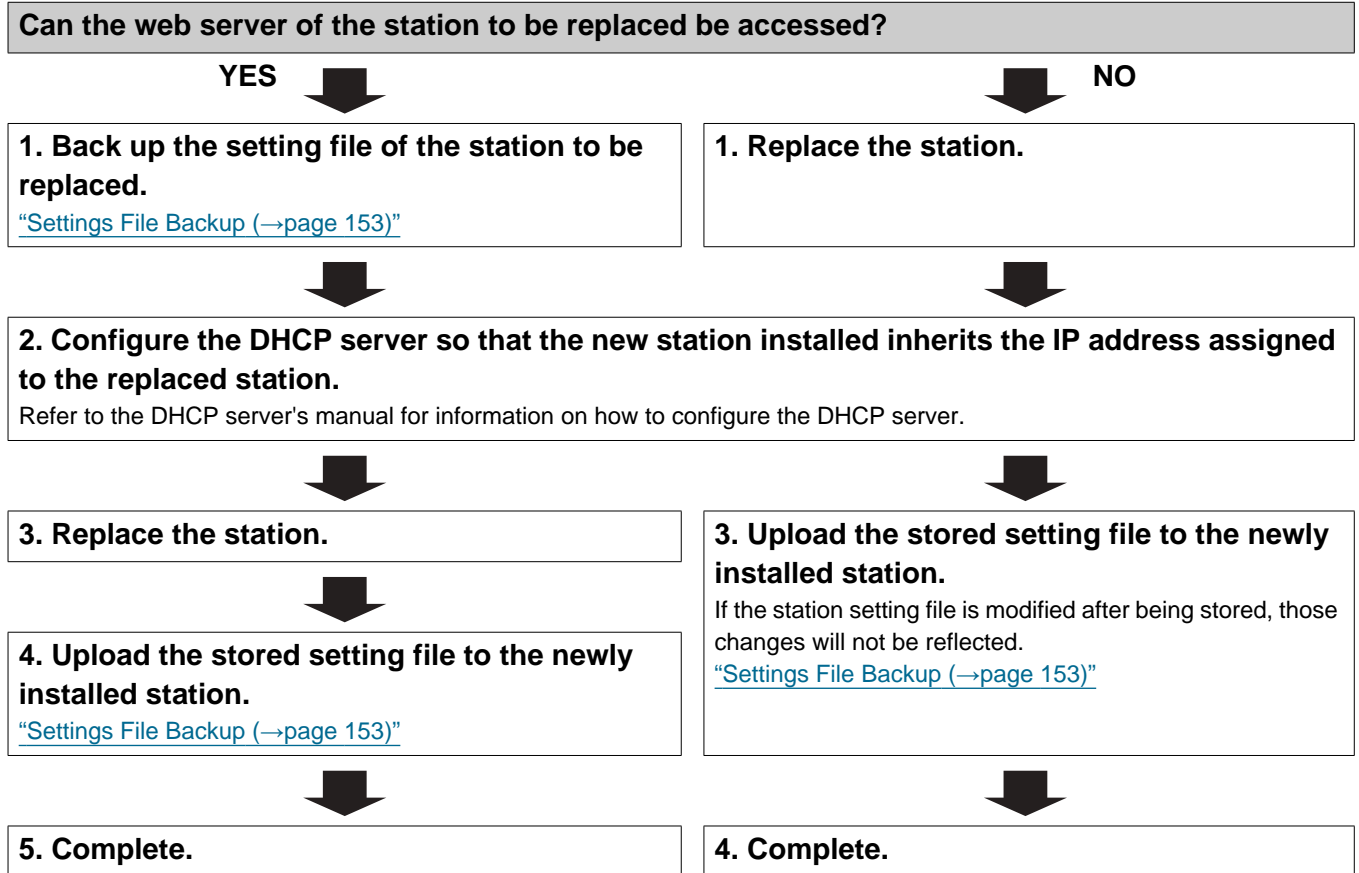
**2. Complete.**

---

## 4.2.5 Replace a station

---

Use this flowchart to replace a station.



## 4.3 For static IPv6 address

### ! Important

- Save the settings after configuring the system. Refer to [“Settings File Backup \(→page 153\)”](#).
- If the setting data is not saved, it may be impossible to restore if post-installation service or maintenance is required.

### 4.3.1 Create new data

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

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

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

[“Connecting to a PC \(→page 44\)”](#)



#### 2. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be configured.

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)



#### 3. Set "Static / DHCP" to "Static IPv6" and configure "IPv6 Address."

[“Static / DHCP \(→page 68\)”](#)

The station will be restarted with the assigned IPv6 Address.



#### 4. Configure IPv6 addresses for other stations.



#### 5. Log in to the web server of each station with IPv6 address.

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)



#### 6. Set [“Language \(→page 64\)”](#).

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



#### 7. Configure the station.

[“Configuring the Station \(→page 60\)”](#)

Refer to "Web Setting Manual" for each station.



#### 8. Complete.

---

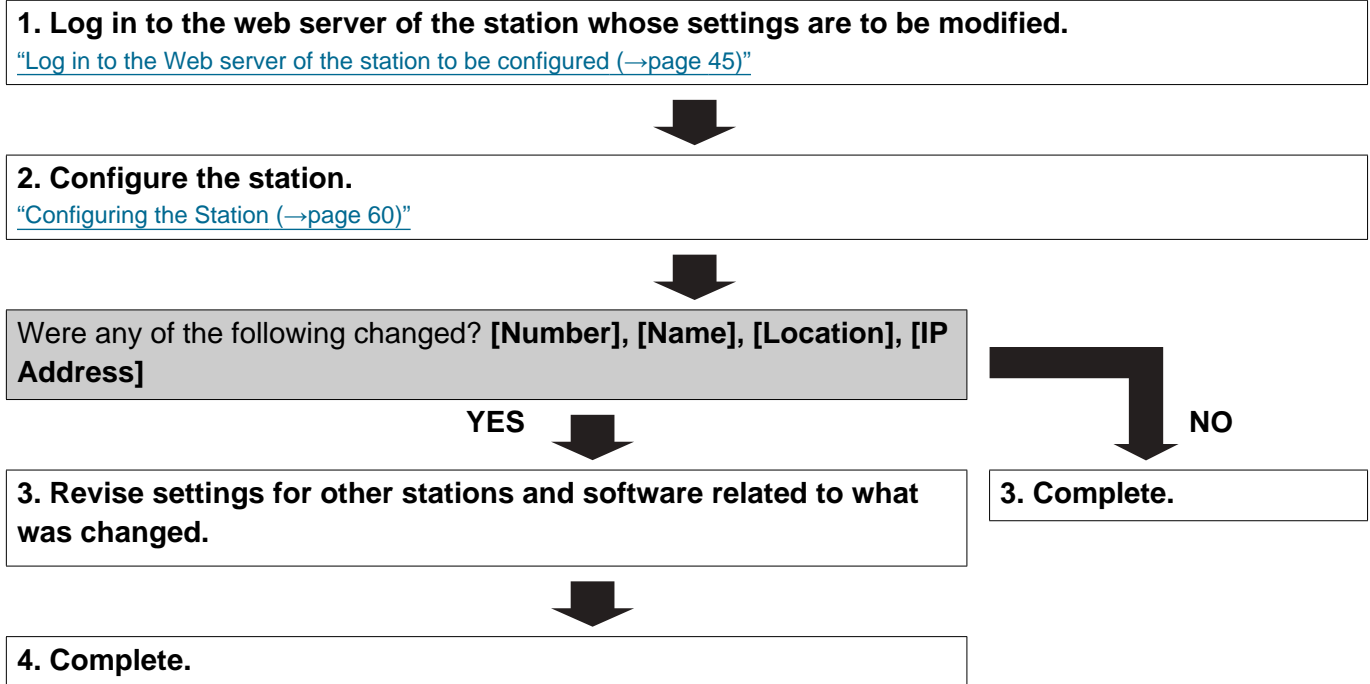
---

### 4.3.2 Change the settings

---

---

Use this flowchart to change the settings.



---

### 4.3.3 Add a station

---

Use this flowchart to add a station.

**1. Connect PC to the station to be added.**

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

[“Connecting to a PC \(→page 44\)”](#)



**2. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be added.**

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)



**3. Set "Static / DHCP" to "Static IPv6" and configure "IPv6 Address."**

[“Static / DHCP \(→page 68\)”](#)

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. Set “Language (→page 64)”.**

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



**6. Configure the station.**

[“Configuring the Station \(→page 60\)”](#)



**7. Add settings data to existing stations if required.**



**8. Complete.**

---

---

### 4.3.4 Delete a station

---

---

Use this flowchart to delete a station.

 **Important**

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

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



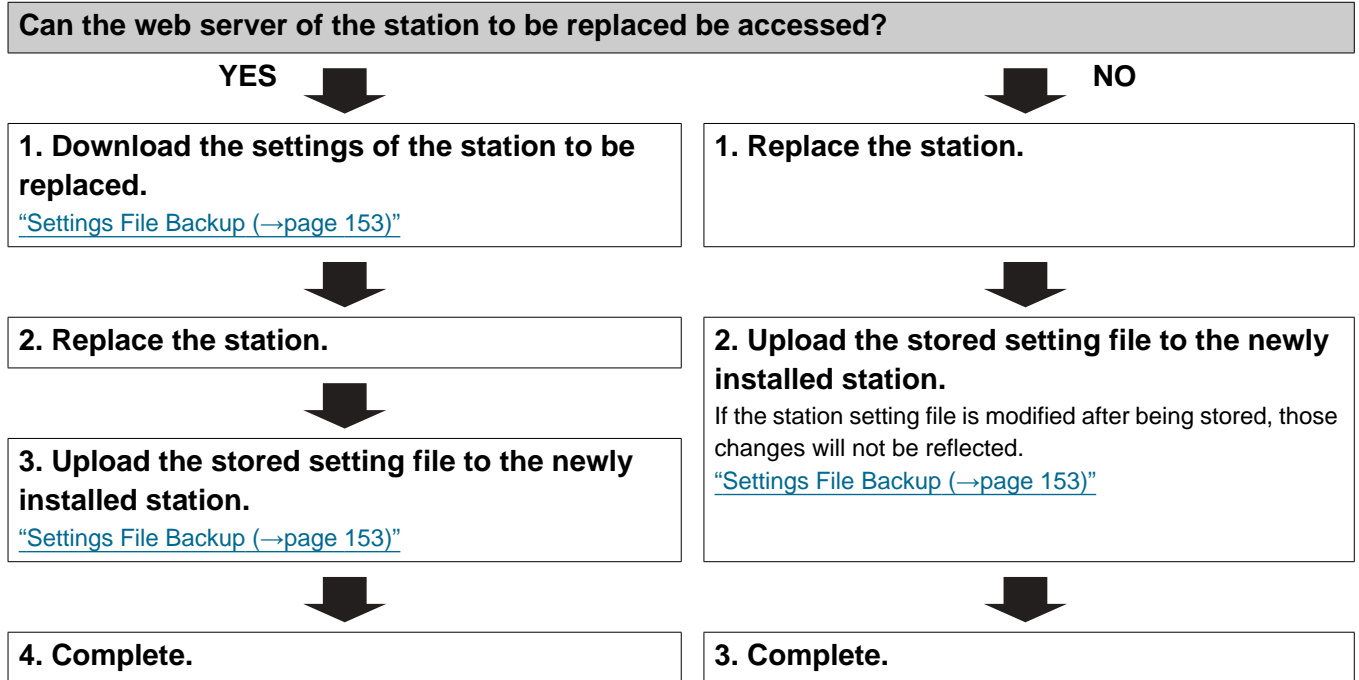
**2. Complete.**

---

### 4.3.5 Replace a station

---

Use this flowchart to replace a station.





## 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 if post-installation service or maintenance is required.

### 4.4.1 Create new data

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

#### 1. Install a device (e.g., router) which can transmit RA (supports the stateless IPv6 setting).

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



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

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

["Connecting to a PC \(→page 44\)"](#)



#### 3. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be configured.

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



#### 4. Set "Static / DHCP" to "IPv6 Stateless."

["Static / DHCP \(→page 68\)"](#)

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



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



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





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

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)



**8. Set “[Language \(→page 64\)](#)”.**

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



**9. Configure the station.**

[“Configuring the Station \(→page 60\)”](#)

Refer to "Web Setting Manual" for each station.



**10. Complete.**

---

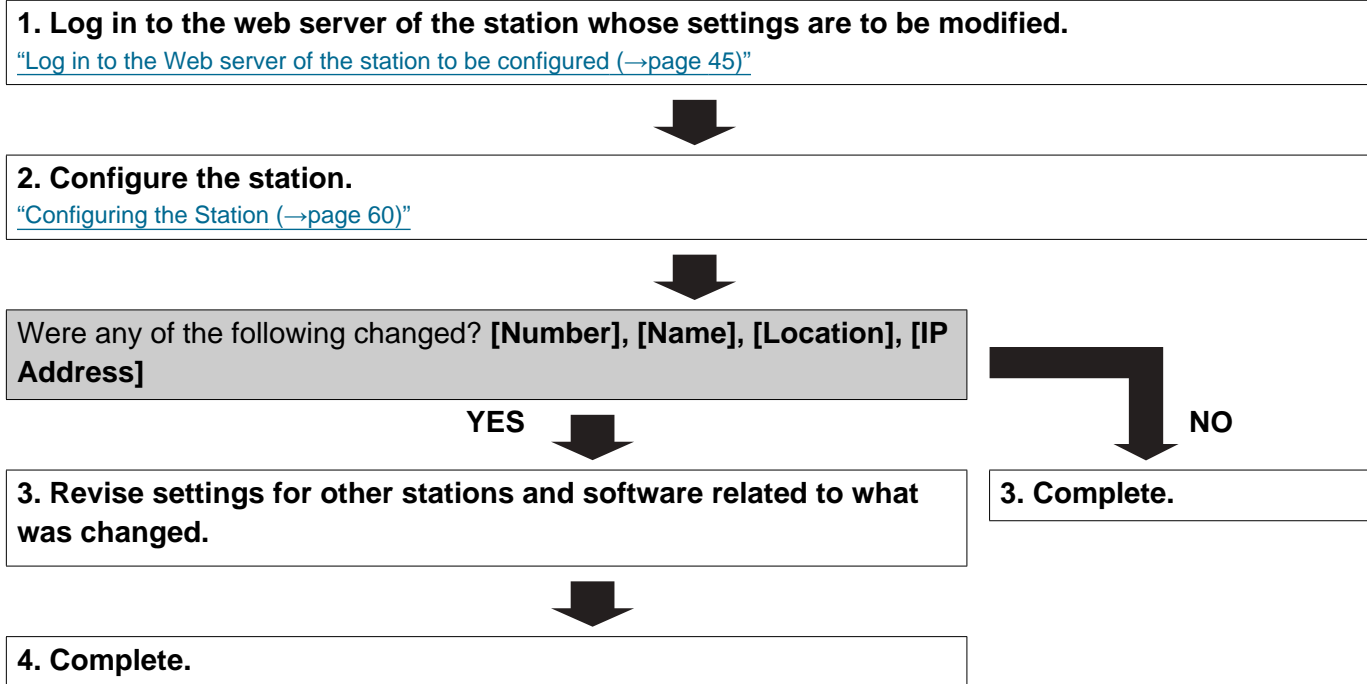
---

## 4.4.2 Change the settings

---

---

Use this flowchart to change the settings.



---

### 4.4.3 Add a station

---

Use this flowchart to add a station.

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

**1. Connect PC to the station to be added.**

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

["Connecting to a PC \(→page 44\)"](#)



**2. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be added.**

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



**3. Set "Static / DHCP" to "IPv6 Stateless."**

["Static / DHCP \(→page 68\)"](#)

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



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



**5. Log in to the web server of the station with the IPv6 Address that have been identified.**

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



**6. Set "Language (→page 64)".**

Click [Update] to update the settings.



**7. Configure the station.**

["Configuring the Station \(→page 60\)"](#)



**8. Add settings data to existing stations if required.**



**9. Complete.**

---

---

#### 4.4.4 Delete a station

---

---

Use this flowchart to delete a station.

 **Important**

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

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

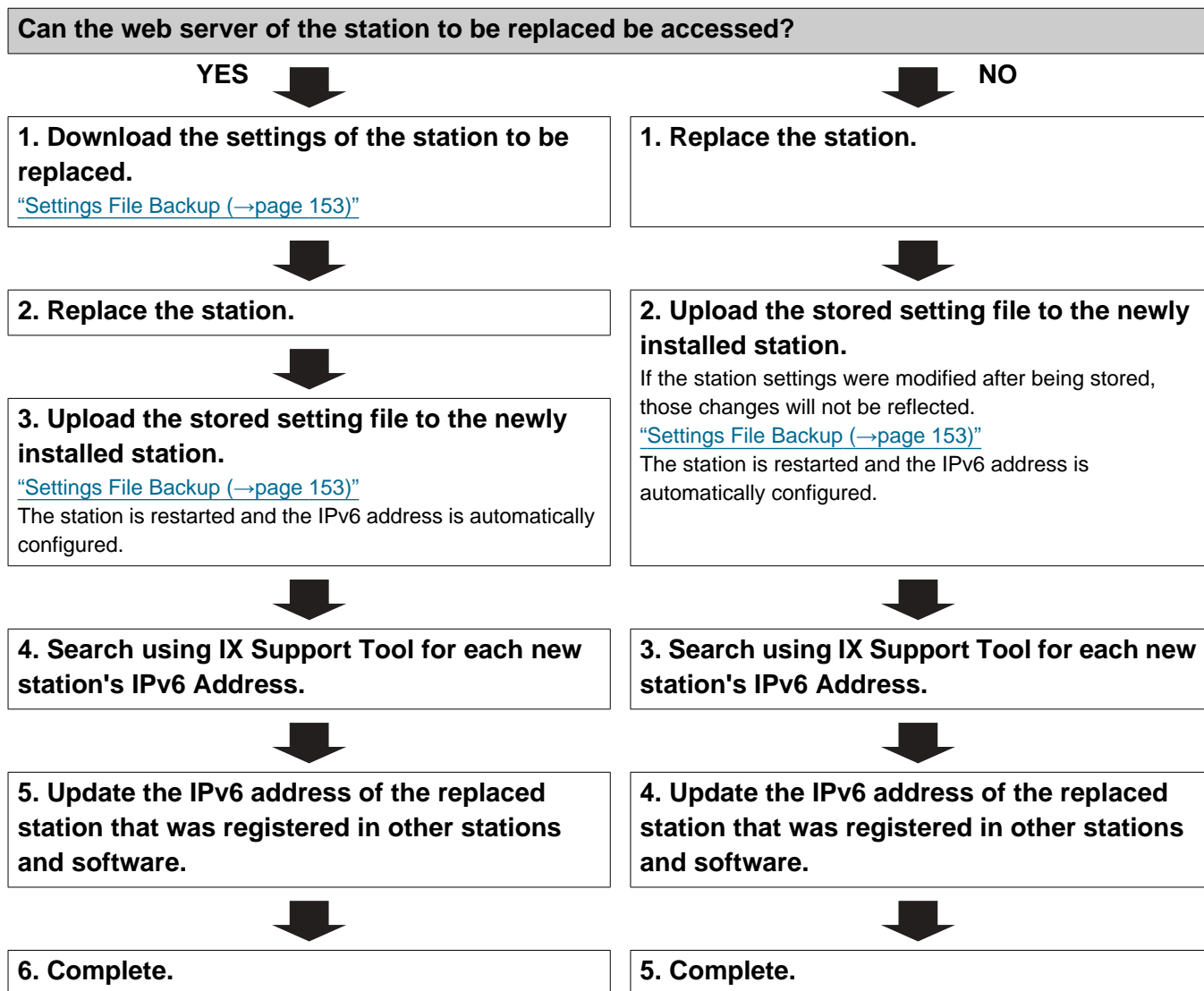


**2. Complete.**

#### 4.4.5 Replace a station

Use this flowchart to replace a station.

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



## 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 if post-installation service or maintenance is required.

### 4.5.1 Create new data

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

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

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

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



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

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

[“Connecting to a PC \(→page 44\)”](#)



#### 3. With default IPv4 Address (192.168.1.160), log in to the Web server of the station to be configured.

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)



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

[“Static / DHCP \(→page 68\)”](#)

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



#### 5. Configure other stations in the same manner.



#### 6. Log in to the web server of the station with the assigned IPv6 Address.

[“Log in to the Web server of the station to be configured \(→page 45\)”](#)





**7. Set “[Language \(→page 64\)](#)”.**

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



**8. Configure the station.**

“[Configuring the Station \(→page 60\)](#)”

Refer to "Web Setting Manual" for each station.



**9. Complete.**



---

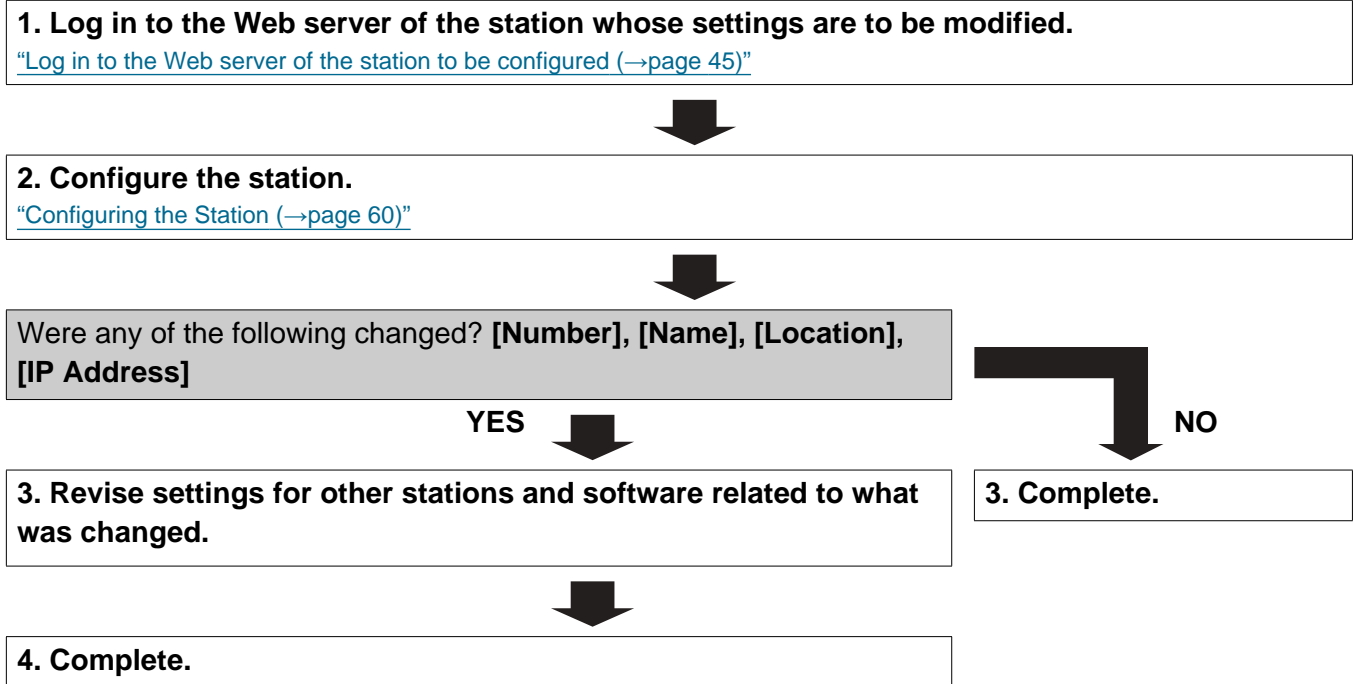
---

## 4.5.2 Change the settings

---

---

Use this flowchart to change the settings.



---

### 4.5.3 Add a station

---

Use this flowchart to add a station.

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

The DUID of the station is "00030001 + MAC address."  
For how to set up the DHCP server, refer to its manual.



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

Connect one at a time.  
["Connecting to a PC \(→page 44\)"](#)



**3. With the default IPv4 Address(192.168.1.160), log in to the web server of the station to be added.**

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



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

["Static / DHCP \(→page 68\)"](#)  
The station is restarted and the IPv6 address assigned by the DHCP server beforehand will be assigned. If an IP address cannot be assigned, it will default to "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be assigned again.



**5. Log in to the web server of the station with the assigned IPv6 Address.**

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



**6. Set "[Language \(→page 64\)](#)".**

Click [Update] to update the settings.



**7. Configure the station.**

["Configuring the Station \(→page 60\)"](#)



**8. Add settings data to existing stations if required.**



**9. Complete.**

---

---

#### 4.5.4 Delete a station

---

---

Use this flowchart to delete a station.

 **Important**

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

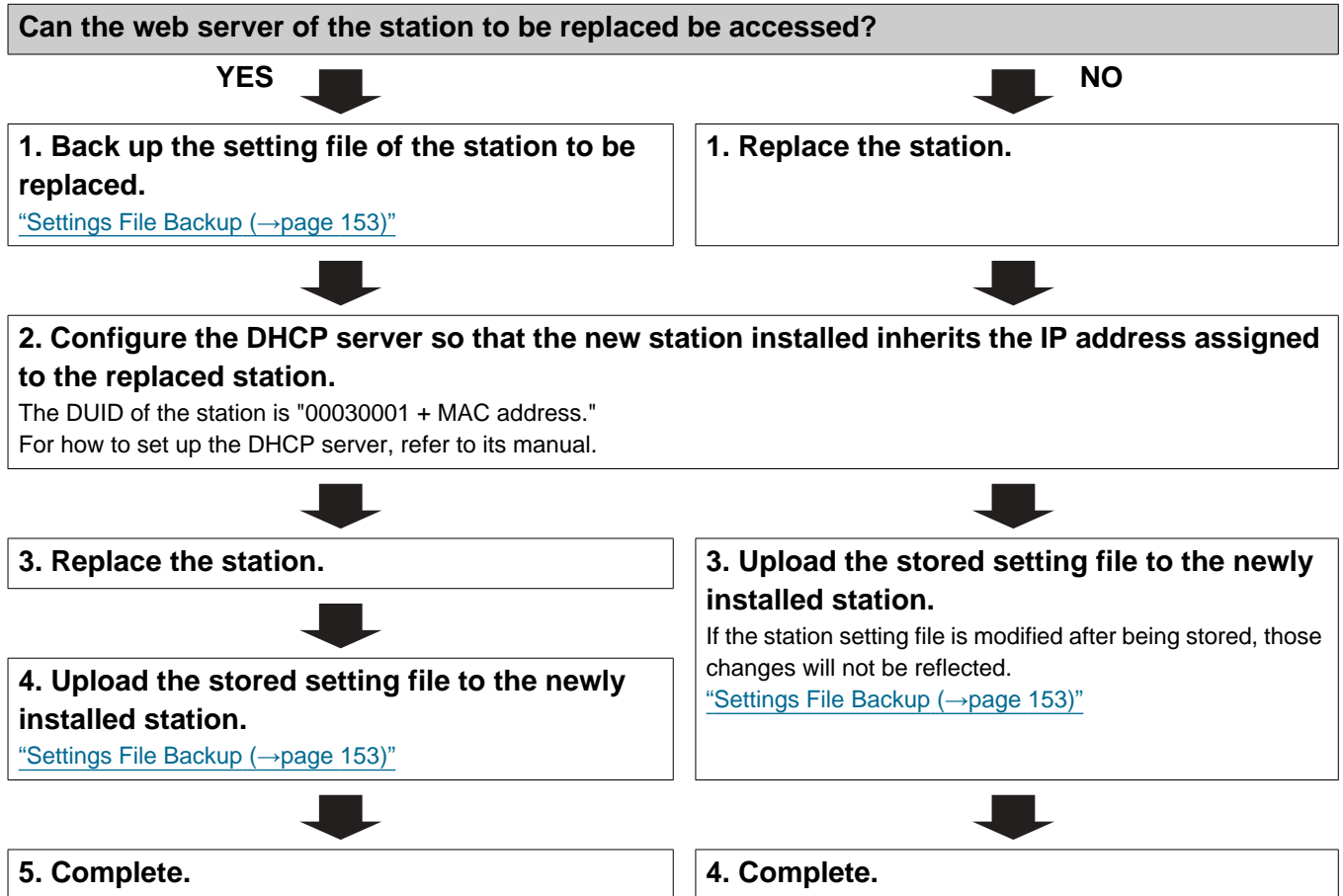
**1. Delete the data of the station from all other stations and Support Tool.**

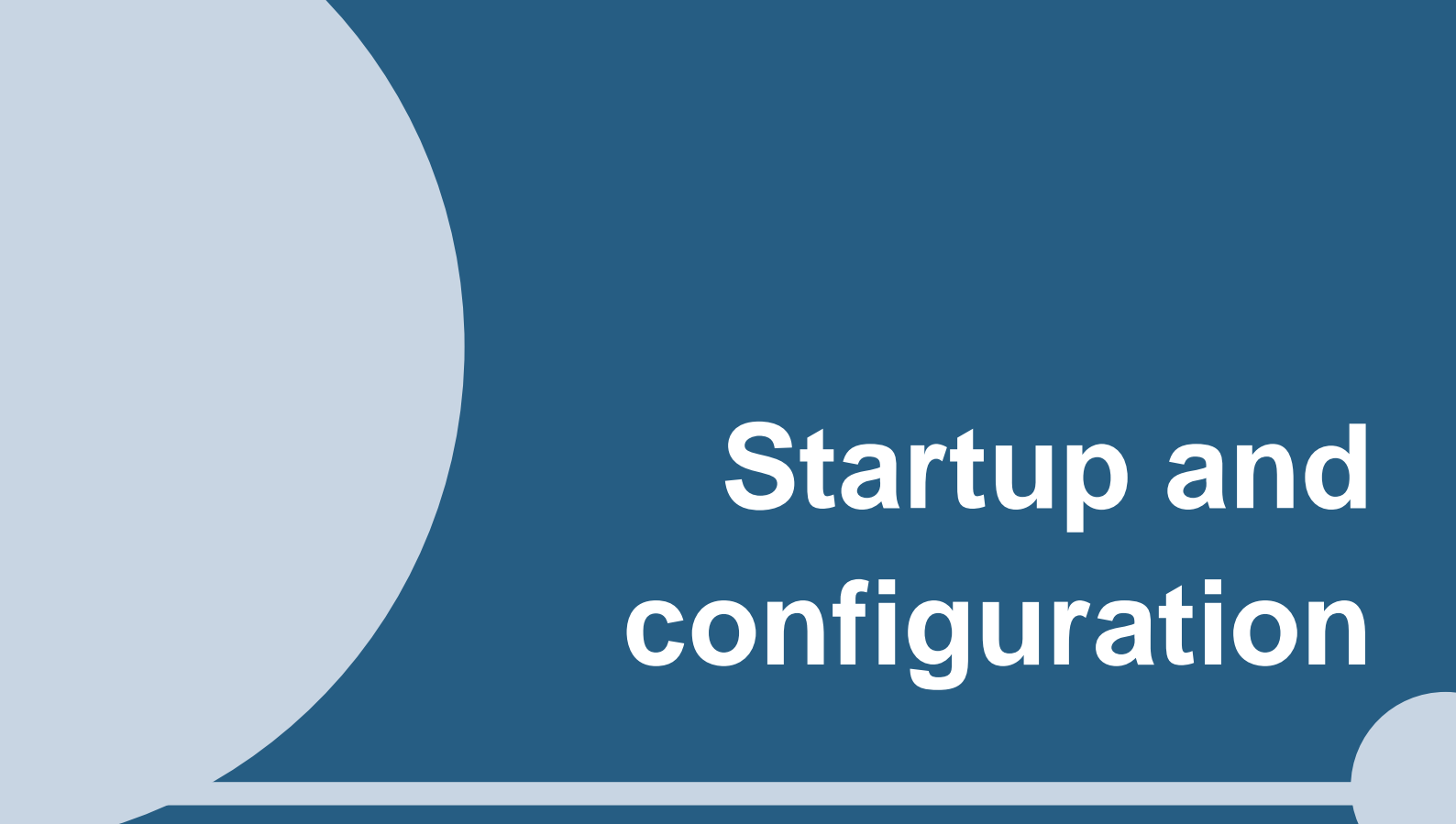


**2. Complete.**

## 4.5.5 Replace a station

Use this flowchart to replace a station.





# Startup and configuration

# 1. System requirements

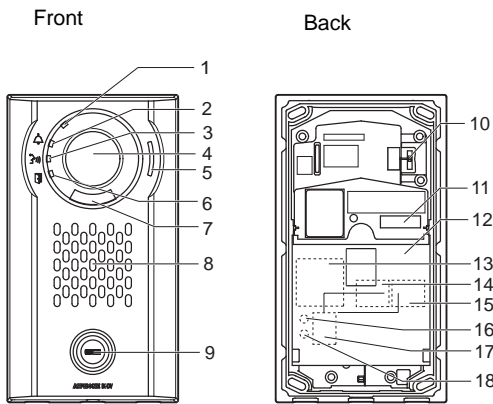
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PC requirements for configuration.

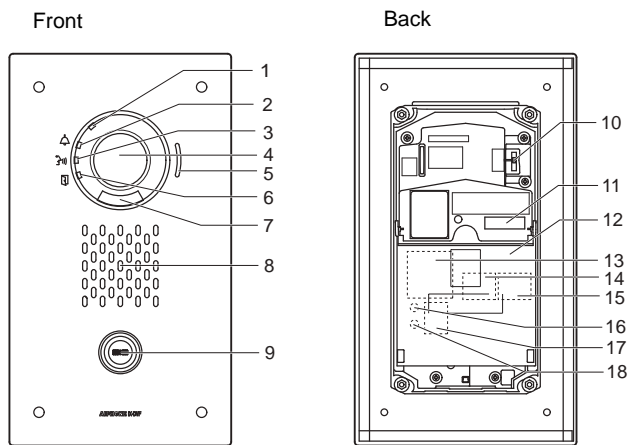
Network	Ethernet (10 BASE-T, 100 BASE-TX)
Web browser	Microsoft Edge / Internet Explorer 10.0, 11.0 / Mozilla Firefox 59 or 60 (TLS1.0, 1.1, or 1.2 enabled)

## 2. Part Names

IX-DV



IX-DVF

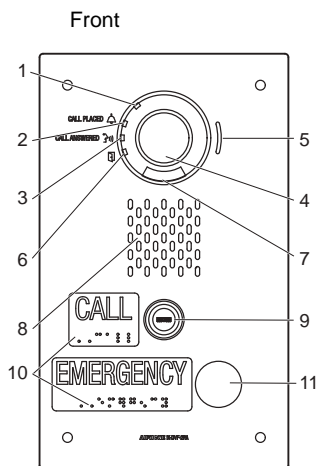


1	Status indicator (orange/blue)	10	Camera angle adjustment lever
2	Call indicator (green)	11	MAC address
3	Communication indicator (orange)	12	Terminal cover
4	Camera	13	Option connector terminal*1
5	Microphone	14	LAN port (PoE/PSE)*1
6	Door release indicator (green)	15	LAN port (PoE/PD)*1
7	LED for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

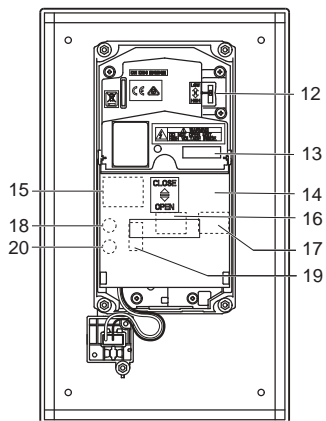
\*1 Accessible when terminal cover is opened.

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

IX-DVF-2RA

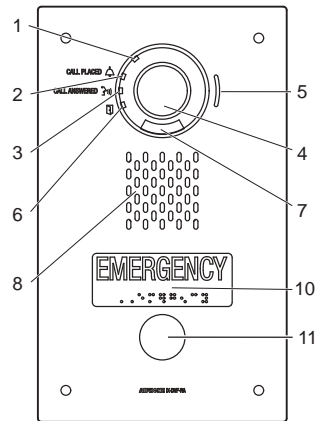


Back

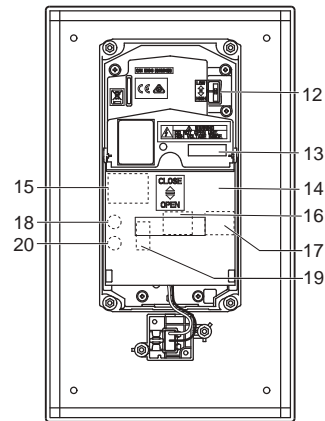


IX-DVF-RA

Front



Back



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

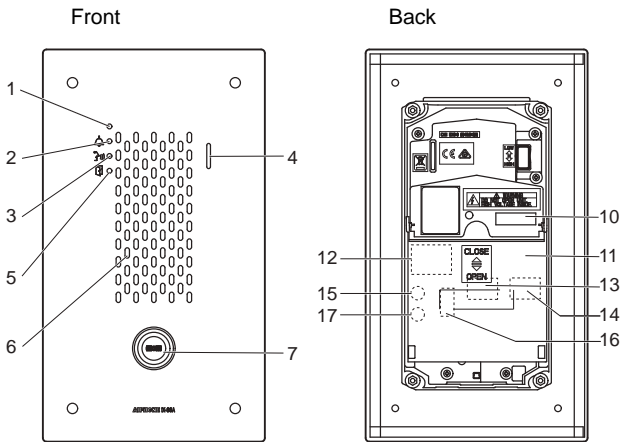
\*1 Accessible when terminal cover is opened.

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

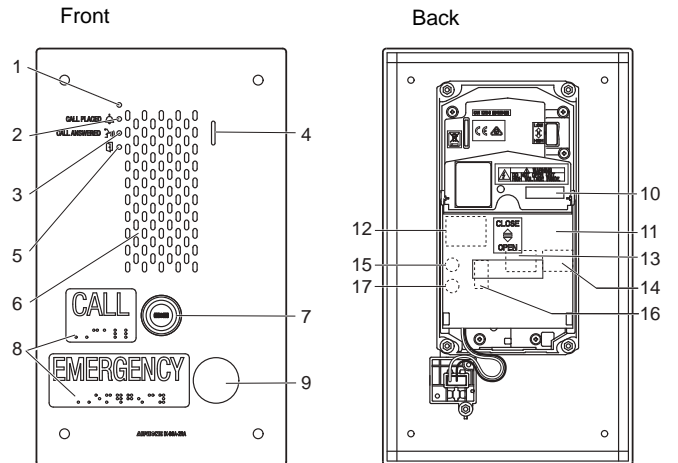




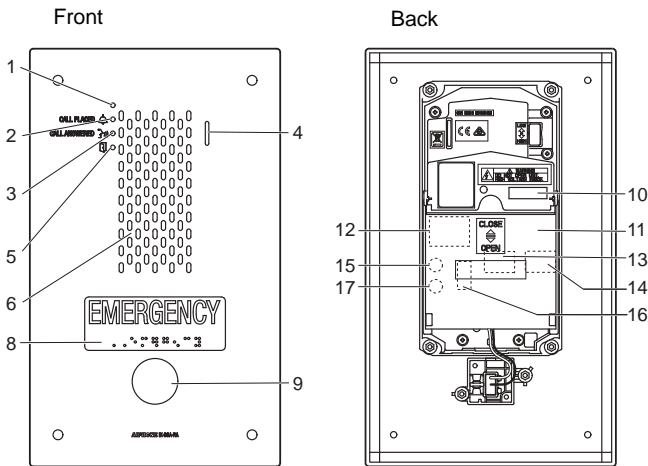
**IX-SSA**



**IX-SSA-2RA**



**IX-SSA-RA**





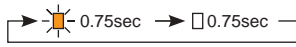

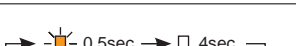

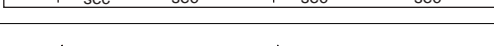
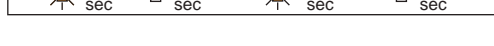

1	Status indicator (orange/blue)	10	MAC address
2	Call indicator (green)	11	Terminal cover
3	Communication indicator (orange)	12	Option connector terminal* <sup>1</sup>
4	Microphone	13	LAN port (PoE/PSE)* <sup>1</sup>
5	Door release indicator (green)	14	LAN port (PoE/PD)* <sup>1</sup>
6	Speaker	15	Reset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

\*<sup>1</sup> Accessible when terminal cover is opened.

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

## ■ Indicators

: On;  : Off

Name	Status (pattern)	Description
Status indicator	Orange flashing 	Booting
		Device error, Startup error
		Communication failure
		Firmware version updating
		Mounting/ unmounting microSD card
		Initializing
Blue light		Standby

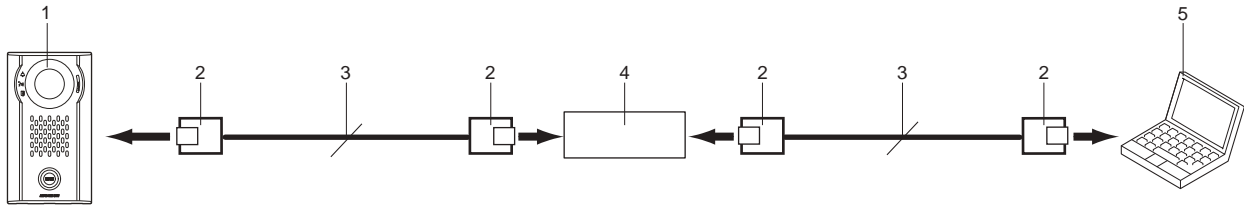
### Note

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

### 3. Connecting to a PC

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

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



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

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

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

IPv4 example - <https://IP address of this device/webset.cgi?login>

  - Enter the IP address of the station to be configured.
  - IPv6 example - [https://\[IP address of this device\]/webset.cgi?login](https://[IP address of this device]/webset.cgi?login)
  - The default IP address is 192.168.1.160, and the subnet mask is 255.255.255.0.



### Note

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

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



### Important

- To prevent the certificate error, perform the procedures described in [“CSR \(→page 139\)”](#) and [“SSL Certificate \(→page 141\)”](#).

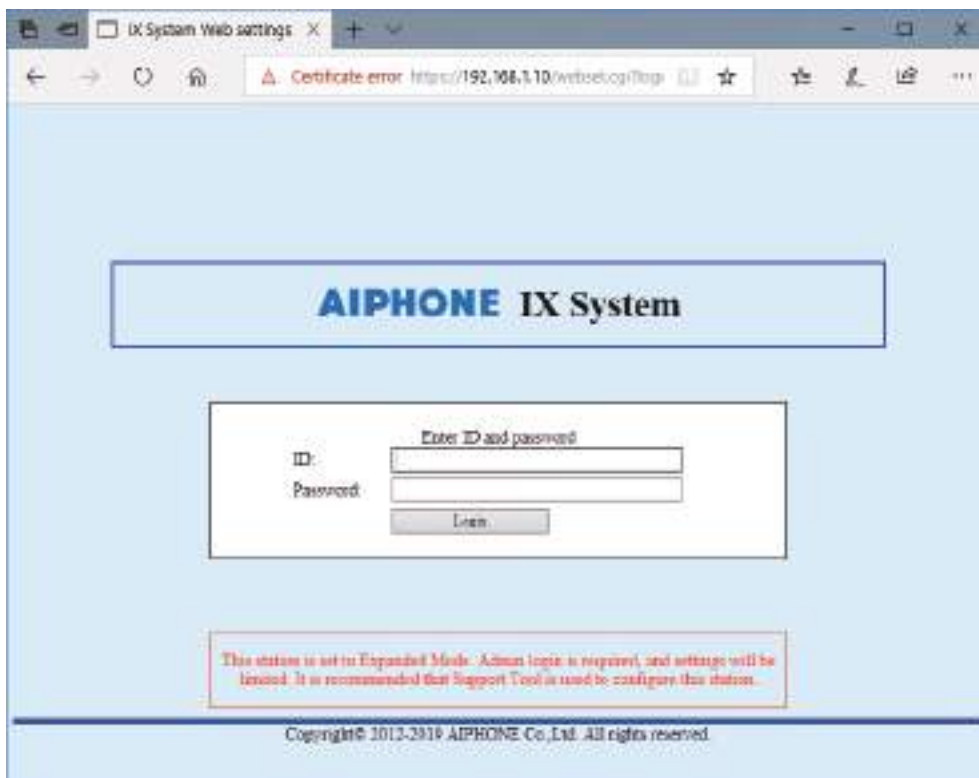
5. Select a language. The login window of the selected language will be shown.



6. Enter the ID and password.



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




Privileges	Default values
Administrator account	ID: admin Password: admin
User account (Cannot be used when the Expanded System is set to "Enable.")	ID: user Password: user

 **Important**

- When logging in at the first time, be sure to change the ID and password.

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

 **Note**

- Do not login multiple times using multiple browsers at one time on the same PC.



# 5. Setting window

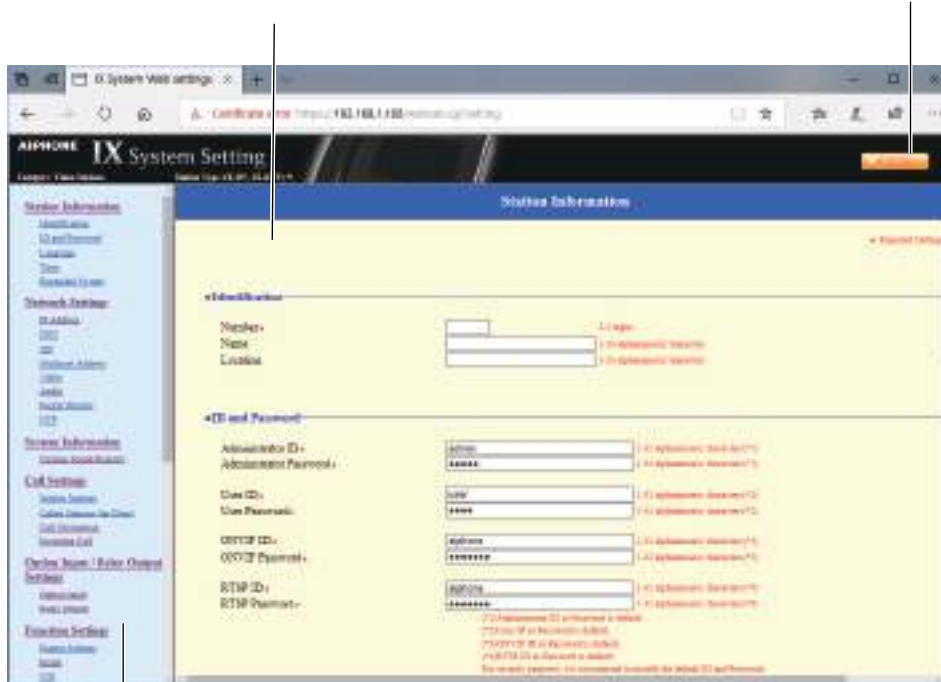
When logging into the web server of the station, the following setting window will be shown. This window will be used to configure the station.

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

Setting window example

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

Update button: Click to update the station settings.



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

## 5.1 How to configure

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

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



**Note**

- To exit the station's web setting, click **[Log out]** and do not close the browser window by clicking **[X]**. If **[Log out]** is not used, it will be unable to login for approximately 1 hour.
- If the setting window switch to another without clicking **[Update]**, the settings will not be saved.
- When no activity is detected for one hour, the connection will be automatically terminated.

## 6. System settings list

The table below shows all the settings for the system.

The symbols indicate the following:

- ◆: Indicates a required field. A value must be entered. Retain the default settings, unless a change is necessary.
- ♣: Indicates that Support Tool has uploaded the data. If the entry is altered through a web browser, Support Tool will not recognize the change.
- The following list shows an overview of web configuration. The content, how they are displayed, and the order of entries may vary from the actual screens.
- Download the setting file and store it at a safe location ([→page 153](#)). Otherwise, it may become impossible to restore the settings after fixing a malfunction.
- Only the Maintenance Settings can be configured when the Expanded System is set to "Enable."

Access privileges

A: Administrator

U: User

Entry				Access privileges		Reference page	
				A	U		
<b>Station Information</b>							
Identification	-	-	Number◆♣	✓		61	
			Name	✓		61	
			Location	✓		61	
ID and Password	-	-	Administrator ID◆♣	✓		62	
			Administrator Password◆♣	✓		62	
			User ID◆	✓	✓	62	
			User Password◆	✓	✓	62	
			ONVIF ID (for IX-DV and IX-DVF(-*)) ◆	✓	✓	62	
			ONVIF Password (for IX-DV and IX-DVF(-*)) ◆	✓	✓	62	
			RTSP ID◆	✓	✓	63	
		RTSP Password ◆	✓	✓	63		
Language	-	-	Language	✓	✓	64	
Time	Time Zone	-	Select time zone	✓	✓	65	
	Daylight Savings Time	-	Enable automatic daylight savings time	✓	✓	65	
	Date and Time	-	Set date and time	✓	✓	66	
Expanded System (not used)	-	-	-	✓		67	
<b>Network Settings</b>							
IP Address	Static / DHCP	-	-	✓		68	
	IPv4 Address	-	IP Address◆♣	✓		69	
				Subnet Mask◆	✓		69
				Default Gateway	✓		69

Entry				Access privileges		Reference page	
				A	U		
	IPv6 Address	-	IP Address♦♦	✓		69	
			Default Gateway	✓		69	
DNS	Primary Server	-	IPv4	✓		70	
			IPv6	✓		70	
	Secondary Server	-	IPv4	✓		70	
			IPv6	✓		70	
SIP	SIP Connections	-	SIP Signaling Port♦	✓		71	
			User Agent	✓		71	
	SIP Server	Primary Server		ID	✓		71
				Password	✓		72
				IPv4 Address	✓		72
				IPv6 Address	✓		72
				Port♦	✓		72
		Secondary Server		ID	✓		72
				Password	✓		72
				IPv4 Address	✓		72
				IPv6 Address	✓		73
				Port♦	✓		73
		Tertiary Server		ID	✓		73
				Password	✓		73
				IPv4 Address	✓		73
				IPv6 Address	✓		73
				Port♦	✓		73
	Miscellaneous	-		Register Transmission Interval [sec]♦	✓		74
				DTMF digit interval timeout [sec]♦	✓		74
Call health check timer♦				✓		74	
Multicast Address (for IX-DV and IX-DVF(-*))	For Call	-	IPv4	✓		75	
			IPv6	✓		75	

Entry				Access privileges		Reference page	
				A	U		
Video (for IX-DV and IX-DVF(-*))	Video Encoder 1	-	Resolution	✓	✓	76	
			Frame Rate [fps]	✓	✓	76	
			Select Profile	✓	✓	77	
			I-picture interval♦	✓	✓	77	
			Bit rate [kbps]	✓	✓	77	
			RTP Start Port♦	✓		77	
			RTP End Port♦	✓		77	
	Video Encoder 2	-	Second Video Encoder	✓	✓	78	
			Video Codec	✓	✓	78	
			Resolution	✓	✓	78	
			Frame Rate [fps]	✓	✓	78	
			Select Profile [H.264 / AVC]	✓	✓	79	
			I-picture interval [H.264/AVC]♦	✓	✓	79	
			Bit rate [kbps] [H.264 / AVC]	✓	✓	79	
			Select Quality [Motion-JPEG]	✓	✓	79	
			RTP Start Port♦	✓		79	
			RTP End Port♦	✓		79	
	Audio	-	-	Audio Codec	✓		80
				Audio RTP Transmission Interval [msec]	✓		81
RTP Idle Detection Time [sec]♦				✓		81	
Audio 1 RTP Start Port♦				✓		81	
Audio 1 RTP End Port♦				✓		81	
Audio 2 RTP Start Port♦				✓		81	
Audio 2 RTP End Port♦				✓		81	
Audio Buffer		-	Packets Buffered at Audio Start	✓		82	
			Maximum Packets Buffered	✓		82	
Packet Priority	-	-	TOS Value (Audio)♦	✓		83	
			TOS Value (Video) (for IX-DV and IX-DVF(-*)) ♦	✓		83	
			TOS Value (SIP)♦	✓		83	
			VLAN Setting	✓		83	
			VLAN ID♦	✓		84	
			VLAN Priority	✓		84	

Entry				Access privileges		Reference page	
				A	U		
NTP	Enable NTP	-	-	✓	✓	85	
	Synchronization Interval [hour]◆	-	-	✓		85	
	Primary Server	Address		IPv4	✓		85
				IPv6	✓		85
		Port◆	-	-	✓		86
	Secondary Server	Address		IPv4	✓		86
				IPv6	✓		86
Port◆		-	-	✓		86	
<b>System Information</b>							
Custom Sound Registry	-	-	-	✓	✓	87	
<b>Call Settings</b>							
Station Information	-	-	Call Button Function	✓		89	
Called Stations (for Door)♣			Station Number	✓		90	
			IPv4 Address	✓		90	
			IPv6 Address	✓		90	
			Station Type	✓		91	
			Protocol (for IX-DV and IX-DVF(-*))	✓		91	
Call Origination	Call Origination Advanced Settings		Call Method	✓	✓	92	
			Ringback Tone	✓	✓	93	
			Call Timeout◆	✓	✓	93	
			Ringback Tone Count [time(s)]	✓	✓	93	
	Standard Mode Settings		Call Destination	✓	✓	94	
			Priority	✓	✓	94	
	Destination by Time Delay Settings		Call Destination	✓	✓	94	
			Priority	✓	✓	94	
			Destination Dwell Time [sec]◆	✓	✓	94	
	Schedule Settings		-	-	✓	✓	95
	Tone Settings		Busy Tone	✓	✓	98	
			Error Tone (Call Failed)	✓	✓	98	
	Call Restart Function	-	-	Call Restart Function	✓	✓	99
Incoming Call	Call Answer Settings	-	Auto Answer	✓	✓	100	
	Ringtone		Ringtone	✓	✓	100	
			Ringback Tone Count [time(s)]	✓	✓	101	
	VoIP Phone	-	-	VoIP Phone Call Priority	✓	✓	101

Entry				Access privileges		Reference page	
				A	U		
<b>Option Input / Relay Output Settings</b>							
Option Input	Option Input Advanced Settings	-	Name	✓		102	
			Function	✓		103	
			Type	✓		103	
			Detection Time Range	✓		103	
			API 1	✓		103	
			API 2	✓		103	
Relay Output	Relay Output Advanced Settings	-	Name	✓		105	
			Function	✓		105	
			Option Relay Control	✓		106	
			Output Time Range	✓		106	
			Door Release Authorization	✓	✓	106	
			Sound Settings	✓	✓	107	
	Schedule Settings	-		✓		108	
	Option Relay Control Authentication Key	-	-	✓	✓	110	
<b>Function Settings</b>							
Paging Settings	-	-	Paging Pretone	✓	✓	111	
Email	Server Settings	-	SMTP Server	✓		112	
			SMTP Port◆	✓		112	
			SMTP Encryption	✓		112	
	Authentication Settings	-	-	SMTP Authentication	✓		113
				Mode	✓		113
				ID	✓		113
				Password	✓		113
	Email Addresses	-	-	Destination 1	✓	✓	114
				Destination 2	✓	✓	114
				Destination 3	✓	✓	114
Source Address				✓		114	

Entry				Access privileges		Reference page
				A	U	
	Email Event Trigger	-	Outgoing Normal Call	✓	✓	115
			Incoming Normal Call	✓	✓	115
			Outgoing Priority Call	✓	✓	115
			Incoming Priority Call	✓	✓	116
			Outgoing Urgent Call	✓	✓	116
			Incoming Urgent Call	✓	✓	116
			Call Failed	✓	✓	116
			Latch Reset	✓	✓	116
			Error	✓	✓	116
			Station Restarted	✓	✓	116
			SD Card Error	✓	✓	117
			Recording Memory Full	✓	✓	117
			Subject	✓	✓	117
			Periodic Log Transmission	-	Periodic Log Transmission	✓
Periodic Log Transmit Time	✓	✓			118	
Periodic Log Transmit Interval	✓	✓			118	
Periodic Log Transmission Subject	✓	✓			118	
Send Test Email	-	-	✓	✓	119	
Additional Settings (for IX-DV and IX-DVF(-*))	-	Attach Image	✓	✓	120	
		Image Filename	✓	✓	120	
CGI	CGI Functionality	-	-	✓	121	
SIF	SIF Functionality	-	-	✓	122	
	SIP URI Format	-	-	✓	122	
	SIF Settings	-	Program Type	✓		123
			IPv4	✓		123
			IPv6	✓		123
			Destination Port	✓		123
SSL	✓		123			
Connection	✓		123			



Entry				Access privileges		Reference page	
				A	U		
Transmission Trigger	-	-	Begin Outgoing Call	✓		124	
			Begin Communication (Source)	✓		124	
			End Communication	✓		124	
			Change contact	✓		125	
			Unit error	✓		125	
			Periodical Transmission	✓		125	
			Initialization Notice	✓		125	
			End Outgoing Call	✓		125	
			Begin Incoming Call	✓		125	
			End Incoming Call	✓		125	
			Latch Reset	✓		126	
			Change Call Destination	✓		126	
			Call Failure	✓		126	
			Begin Incoming Page	✓		126	
			End Incoming Page	✓		126	
			Begin Monitored	✓		126	
			End Monitored	✓		126	
			Begin Communication (Destination)	✓		127	
			Begin Record	✓		127	
			End Record	✓		127	
			Recording Memory Full	✓		127	
SD Card Error	✓		127				
SIP Registration Failure	✓		127				
Periodical Transmission Interval	-	-	Periodical Transmission Interval◆	✓		128	
SIF File Management	-	-	SIF Communication Settings (sif.ini)	✓		129	
			SIF Parameter Settings (sif_conf.ini)	✓		129	
Record	-	-	Record Mode	✓	✓	130	
			Record Event	✓	✓	130	
			Prevent Overwrite	✓	✓	131	
			Video Recording File Length	✓	✓	131	
			Audio Recording (for IX-DV and IX-DVF(-*))	✓	✓	131	
Schedule Settings	Weekly Schedule	-	-	✓	✓	132	
Communication Audio Messages	-	-	Start Communication	✓	✓	133	
			Code Received	Code	✓	✓	134
				Message	✓	✓	134

Entry				Access privileges		Reference page
				A	U	
Chime	Weekly Schedule	-	Start Time	✓	✓	135
			Chime	✓	✓	136
	Daily Schedule	-	Start Time	✓	✓	137
			Chime	✓	✓	138
CSR	-	-	Country	✓		139
			State/County/Region	✓		139
			City/Locality	✓		139
			Organization	✓		139
			Organizational Unit	✓		139
			Common Name	✓		140
SSL Certificate	-	-	-	✓		141
IEEE802.1X	-	-	IEEE802.1X	✓		142
			EAP	✓		142
			EAP User Name	✓		142
			EAP Password	✓		142
			Certificate Authority	✓		143
			Client Certificate	✓		143
			Client Private Key	✓		143
<b>Station Settings</b>						
Volume / Tone	Volume	-	Transmit	✓	✓	144
			Receive	✓	✓	144
			VoIP Phone Volume Adjustment	✓	✓	144
			Ringtone	✓	✓	144
			Paging	✓	✓	145
	Tone	-	Communication Timeout Notification	✓	✓	145
			Communication End Pretone	✓	✓	145
			Auto Answer Tone	✓	✓	146
			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 (for IX-DV and IX-DVF(-*))	Adjustment	-	Backlight Compensation	✓	✓	150
			Low Light Sensitivity	✓	✓	150
	White LED	-	Call / Communication	✓	✓	150
			Monitored	✓	✓	150
<b>Maintenance</b>						
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	-	-	IPv4 Address	✓		155
			IPv6 Address	✓		155
			Port♦	✓		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

•Identification

Number♦	<input type="text"/>	3-5 digits
Name	<input type="text"/>	1-24 alphanumeric characters(*1)
Location	<input type="text"/>	1-24 alphanumeric characters(*1)

(\*1)Certain characters may not be displayed correctly on IX-MV and IX-MV7-\* due to font type.

### ■ Number♦♣

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

### ■ Name

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

### ■ Location

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

## 1.2 ID and Password

**ID and Password**

Administrator ID ♦	<input type="text" value="admin"/>	1-32 alphanumeric characters(*1)
Administrator Password ♦	<input type="password" value="••••"/>	1-32 alphanumeric characters(*1)
User ID ♦	<input type="text" value="user"/>	1-32 alphanumeric characters(*2)
User Password ♦	<input type="password" value="••••"/>	1-32 alphanumeric characters(*2)
ONVIF ID ♦	<input type="text" value="aiphone"/>	1-32 alphanumeric characters(*3)
ONVIF Password ♦	<input type="password" value="••••••"/>	1-32 alphanumeric characters(*3)
RTSP ID ♦	<input type="text" value="aiphone"/>	1-32 alphanumeric characters(*4)
RTSP Password ♦	<input type="password" value="••••••"/>	1-32 alphanumeric characters(*4)

(\*1)Administrator ID or Password is default.  
 (\*2)User ID or Password is default.  
 (\*3)ONVIF ID or Password is default.  
 (\*4)RTSP ID or Password is default.  
 For security purposes, it is recommend to modify the default ID and Password.

### ■ Administrator ID ♦♣

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

### ■ Administrator Password ♦♣

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

### ■ User ID ♦

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

### ■ User Password ♦

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

### ■ ONVIF ID (for IX-DV and IX-DVF(-\*)) ♦

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

### ■ ONVIF Password (for IX-DV and IX-DVF(-\*)) ♦

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

■ RTSP ID◆

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

■ RTSP Password ◆

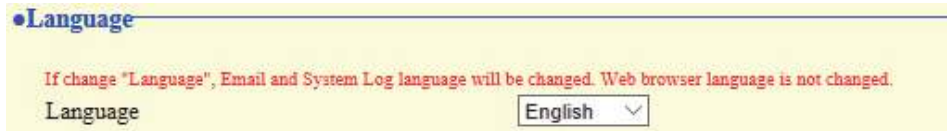
Description	Set the Password to access this station from 3rd party products using RTSP.
Settings	1 - 32 alphanumeric characters
Default values	aiphone



**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 "●●●●●" on the screen.

## 1.3 Language



### ■ Language

Description	<p>Configure the language for the following on the station.</p> <ul style="list-style-type: none"> <li>• Language used for various settings (including the station name)</li> <li>• Set the email and System Log language.</li> </ul>
Settings	<ul style="list-style-type: none"> <li>• Japanese</li> <li>• English</li> <li>• French</li> <li>• Spanish</li> <li>• Dutch</li> <li>• Traditional Chinese</li> <li>• Simplified Chinese</li> </ul>
Default values	English

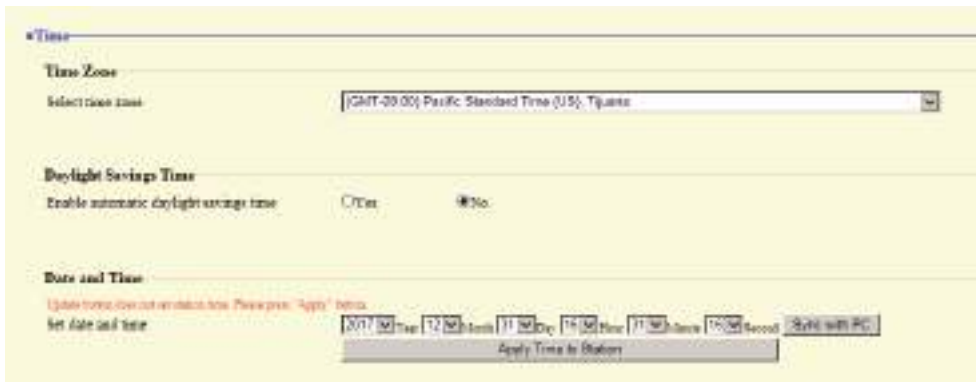


#### Note

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



## 1.4 Time



### 1.4.1 Time Zone

#### ■ Select time zone

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

#### Note

- When logging in to web configuration with the station in its default state at the first time, this will be set as follows depending on the language selected when logging in.
  - Japanese: (GMT+09:00) Osaka, Sapporo, Tokyo
  - English: (GMT-08:00) Pacific Standard Time (US), Tijuana
  - French: (GMT+01:00) Brussels, Madrid, Copenhagen, Paris
  - Spanish: (GMT+01:00) Brussels, Madrid, Copenhagen, Paris
  - Dutch: (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm
  - Traditional Chinese: (GMT+08:00) Taipei
  - Simplified Chinese: (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi

### 1.4.2 Daylight Savings Time

#### ■ Enable automatic daylight savings time

Description	The daylight saving time is set automatically according by region selected in <a href="#">“Select time zone (→page 65)”</a> .
Settings	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
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 <b>[Sync with PC]</b> : Synchronized with the current time setting of the PC.
Default values	The time from 2018/1/1/00:00:00 with the time difference set in "Select time zone" applied
Remarks	The time cannot be updated by pressing <b>[Update]</b> . Press <b>[Apply Time to Station]</b> to update.

## 1.5 Expanded System

• Expanded System

Enable  Disable

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

### Important

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

# 2. Network Settings

## 2.1 IP Address

### ! Important

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



### 2.1.1 Static / DHCP

Description	Select Static or DHCP for the selected IP version in "IP Version".
Settings	<ul style="list-style-type: none"> <li>• For IPv4: <ul style="list-style-type: none"> <li>– Static</li> <li>– DHCP</li> </ul> </li> <li>• For IPv6: <ul style="list-style-type: none"> <li>– Static</li> <li>– Stateless</li> <li>– DHCPv6</li> </ul> </li> </ul>
Default values	IPv4 <ul style="list-style-type: none"> <li>• Static</li> </ul>

### ! Important

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

## 2.1.2 IPv4 Address

### Important

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

### ■ IP Address

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

### ■ Subnet Mask

Description	Set the Subnet Mask.
Settings	128.0.0.0 - 255.255.255.255
Default values	—

### ■ Default Gateway

Description	Set the Default Gateway.
Settings	1.0.0.1 - 223.255.255.254
Default values	—

## 2.1.3 IPv6 Address

### Important

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

### ■ IP Address

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

### ■ Default Gateway

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

## 2.2 DNS

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

The screenshot shows a configuration window titled "DNS". It contains two main sections: "Primary Server" and "Secondary Server". Each section has two input fields: "IPv4" and "IPv6". The IPv4 fields are accompanied by a range "1.0.0.1 - 223.255.255.254" and the IPv6 fields are accompanied by the range "::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF".

### 2.2.1 Primary Server

#### ■ IPv4

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

#### ■ IPv6

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

### 2.2.2 Secondary Server

#### ■ IPv4

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

#### ■ IPv6

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

## 2.3 SIP

The screenshot shows the SIP configuration interface with the following sections:

- SIP Connections:** SIP Signaling Port (5060), User Agent (1-36 alphanumeric characters).
- SIP Server:**
  - Primary Server:** ID (1-24 alphanumeric characters), Password (1-24 alphanumeric characters), IPv4 Address (1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)), IPv6 Address (:FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)), Port (5060, 1-65535).
  - Secondary Server:** ID (1-24 alphanumeric characters), Password (1-24 alphanumeric characters), IPv4 Address (1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)), IPv6 Address (:FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)), Port (5060, 1-65535).
  - Tertiary Server:** ID (1-24 alphanumeric characters), Password (1-24 alphanumeric characters), IPv4 Address (1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)), IPv6 Address (:FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)), Port (5060, 1-65535).
- Miscellaneous:**
  - Register Transmission Interval [sec] (3600, 10-14400)
  - DTMF digit interval timeout [sec] (5, 1-10)
  - Call health check timer (80-3600 sec, 80 sec, Do not transmit re-INVITE, 80-3600 sec)

### 2.3.1 SIP Connections

#### ■ SIP Signaling Port◆

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

#### ■ User Agent

Description	Set the User Agent.
Settings	1-36 alphanumeric characters
Default values	—

### 2.3.2 SIP Server

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

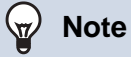
#### 2.3.2.1 Primary Server

##### ■ ID

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

## ■ Password

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



### Note

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

## ■ IPv4 Address

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

## ■ IPv6 Address

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

## ■ Port◆

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

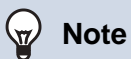
### 2.3.2.2 Secondary Server

## ■ ID

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

## ■ Password

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



### Note

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

## ■ IPv4 Address

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



### ■ IPv6 Address

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

### ■ Port◆

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

### 2.3.2.3 Tertiary Server

#### ■ ID

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

#### ■ Password

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



#### Note

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

### ■ IPv4 Address

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

### ■ IPv6 Address

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

### ■ Port◆

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

### 2.3.3 Miscellaneous

#### ■ Register Transmission Interval [sec]◆

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

#### ■ DTMF digit interval timeout [sec]◆

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

#### ■ Call health check timer◆

Description	When a communication error occurs during a call or while monitoring, the connection is disconnected after the specified time elapses.
Settings	<ul style="list-style-type: none"> <li>• 80 - 3600 sec: Select to set between 80 - 3600 sec (by 1 sec).</li> <li>• Do not transmit re-INVITE: Do not detect communication errors.</li> </ul>
Default values	90 sec

## 2.4 Multicast Address (for IX-DV and IX-DVF(-\*))

This should be configured when you enable the multicast feature in [“Called Stations \(for Door\) \(→page 89\)”](#).

•Multicast Address

For Call

IPv4  .  .  .  224.0.0.0-239.255.255.255

IPv6  FF10::0-FF1F:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF

### 2.4.1 For Call

#### ■ IPv4

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

#### ■ IPv6

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

## 2.5 Video (for IX-DV and IX-DVF(-\*))

**Video**

**Video Encoder 1**

The "Video Encoder 1" RTP End Port should be greater than 50 000 from the RTP Start Port.

Resolution:  320x240(QVGA)  640x480(VGA)

Frame Rate [fps]:

Select Profile:

L-picture interval:  3-180

Bit rate [kbps]:

RTP Start Port:  3-65535

RTP End Port:  3-65535

---

**Video Encoder 2**

Items marked [H.264 / AVC] or [Motion-JPEG] apply only to their respective Coding Schemes.

The "Video Encoder 2" RTP End Port should be greater than 10 000 from the RTP Start Port.

Second Video Encoder:  Enable  Disable

Video Codec:  H.264 / AVC  Motion-JPEG

Resolution:

Frame Rate [fps]:

Select Profile [H.264 / AVC]:

L-picture interval [H.264 / AVC]:  3-180

Bit rate [kbps] [H.264 / AVC]:

Select Quality [Motion-JPEG]:

RTP Start Port:  3-65535

RTP End Port:  3-65535

### 2.5.1 Video Encoder 1

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

#### Important

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

#### ■ Resolution

Description	Select the video resolution of Video Encoder 1.
Settings	<ul style="list-style-type: none"> <li>• 320x240 (QVGA)</li> <li>• 640x480 (VGA)</li> </ul>
Default values	640x480 (VGA)

#### ■ Frame Rate [fps]

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

#### Note

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

## ■ Select Profile

Description	Select the Profile of Video Encoder 1.
Settings	<ul style="list-style-type: none"> <li>• Baseline</li> <li>• Main</li> <li>• High</li> </ul>
Default values	Main

## ■ I-picture interval◆

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

## ■ Bit rate [kbps]

Description	Set the Bit Rate of Video Encoder 1.
Settings	32, 64, 128, 256, 384, 512, 768, 1024, 2048 kbps
Default values	1024 kbps



### Note

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

## ■ RTP Start Port◆

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

## ■ RTP End Port◆

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

## 2.5.2 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	Select Enable / Disable for Second Video Encoder. Set to "Enable" to send the video using ONVIF.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Enable

### ■ Video Codec

Description	Select the Video Codec of Video Encoder 2.
Settings	<ul style="list-style-type: none"> <li>• H.264 / AVC</li> <li>• Motion-JPEG</li> </ul>
Default values	H.264 / AVC

### ■ Resolution

Description	Select the video resolution of Video Encoder 2.
Settings	<ul style="list-style-type: none"> <li>• 320x240 (QVGA)</li> <li>• 640x480 (VGA)</li> <li>• 800x480 (WVGA)</li> <li>• 1280x720 (HD)</li> <li>• 1280x960 (SXVGA)</li> </ul>
Default values	1280x720 (HD)

### ■ Frame Rate [fps]

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

### Note

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

### ■ Select Profile [H.264 / AVC]

Description	Select the H.264 / AVC Profile of Video Encoder 2.
Settings	<ul style="list-style-type: none"> <li>• Baseline</li> <li>• Main</li> <li>• High</li> </ul>
Default values	Main

### ■ I-picture interval [H.264/AVC]◆

Description	Set the interval to send H.264 / AVC I-picture of Video Encoder 2.
Settings	1 - 100
Default values	10

### ■ Bit rate [kbps] [H.264 / AVC]

Description	Set the H.264 / AVC Bit Rate of Video Encoder 2.
Settings	32, 64, 128, 256, 384, 512, 768, 1024, 2048, 4096, 8192 kbps
Default values	2048 kbps



#### Note

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

### ■ Select Quality [Motion-JPEG]

Description	Select the Quality of Motion-JPEG of Video Encoder 2.
Settings	1 (Low) - 10 (High)
Default values	6

### ■ RTP Start Port◆

Description	Set the range of port numbers to transmit and receive RTP for Video Encoder 2. Set the difference to 10 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65534
Default values	32000

### ■ RTP End Port◆

Description	Set the range of port numbers to transmit and receive RTP for Video Encoder 2. Set the difference to 10 or greater in the range of (RTP Start Port) - (RTP End Port).
Settings	1 - 65535
Default values	33000

## 2.6 Audio



### ■ Audio Codec

Description	Select the Audio Codec.
Settings	<ul style="list-style-type: none"> <li>• G.711 (μ-law)</li> <li>• G.711 (A-law)</li> <li>• G.722</li> </ul>
Default values	G.711 (μ-law)

### ! Important

- When changing from "G.711" to "G.722" or from "G.722" to "G.711," the station will restart. In some cases, it may take around 10 minutes to restart the station.
- Stations with different audio codecs (G.711 and G.722) selected cannot ring, call, monitor, or page each other.
- When set to "G.722," audio will not be sent to 3rd party products connected via ONVIF.
- When changing "G.711" to "G.722" and "G.722" to "G.711," change the custom tones used for the following subcategories to audio files with appropriate audio sample rates: ["Custom Sound Registry \(→page 87\)"](#)
  - "Call Origination" - "Call Button" - ["Ringback Tone \(→page 93\)"](#)
  - "Call Origination" - "Option Input 1 - 6" - ["Ringback Tone \(→page 93\)"](#)
  - "Call Origination" - ["Busy Tone \(→page 98\)"](#)
  - "Call Origination" - ["Error Tone \(Call Failed\) \(→page 98\)"](#)
  - "Incoming Call" - ["Ringtone \(→page 100\)"](#)
  - "Relay Output" - ["Sound Settings \(→page 107\)"](#)
  - "Paging Settings" - ["Paging Pretone \(→page 111\)"](#)
  - "Communication Audio Messages" - ["Start Communication \(→page 133\)"](#)
  - "Communication Audio Messages" - "Code Received" - ["Message \(→page 134\)"](#)
  - "Chime" - "Weekly Schedule" - ["Chime \(→page 136\)"](#)
  - "Chime" - "Daily Schedule" - ["Chime \(→page 138\)"](#)
  - "Volume / Tone" - ["Communication Timeout Notification \(→page 145\)"](#)
  - "Volume / Tone" - ["Communication End Pretone \(→page 145\)"](#)
  - "Volume / Tone" - ["Auto Answer Tone \(→page 146\)"](#)
  - "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	Set the Audio RTP Transmission Interval.
Settings	20, 40, 60, 80, 100 msec
Default values	20msec

■ RTP Idle Detection Time [sec]◆

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

■ Audio 1 RTP Start Port◆

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

■ Audio 1 RTP End Port◆

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

■ Audio 2 RTP Start Port◆

Description	Set the range of port numbers to transmit and receive Audio RTP using ONVIF. Set the difference to 10 or greater in the range of (Audio 2 RTP Start Port) - (Audio 2 RTP End Port).
Settings	1 - 65534
Default values	22000

■ Audio 2 RTP End Port◆

Description	Set the range of port numbers to transmit and receive Audio RTP using ONVIF. Set the difference to 10 or greater in the range of (Audio 2 RTP Start Port) - (Audio 2 RTP End Port).
Settings	1 - 65535
Default values	23000

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## 2.6.1 Audio Buffer

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### ■ Packets Buffered at Audio Start

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

### ■ Maximum Packets Buffered

Description	Set the maximum number of packets that can be accumulated. If a packet is received beyond the set value, it is removed from the oldest packet. It should be greater than the number of "Packets Buffered at Audio Start."
Settings	2 - 10
Default values	3

## 2.7 Packet Priority

### ! Important

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

●Packet Priority

TOS Value (Audio) ◆  0x00-0xFF

TOS Value (Video) ◆  0x00-0xFF

TOS Value (SIP) ◆  0x00-0xFF

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

VLAN Setting  Enable  Disable

VLAN ID ◆  1-4094

VLAN Priority  ▼

### ■ TOS Value (Audio) ◆

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

### ■ TOS Value (Video) (for IX-DV and IX-DVF(-\*)) ◆

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

### ■ TOS Value (SIP) ◆

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

### ■ VLAN Setting

Description	Select Enable / Disable for tagged VLAN.
Settings	<ul style="list-style-type: none"> <li>Enable</li> <li>Disable</li> </ul>
Default values	Disable

### ! Important

- When "[VLAN Setting \(→page 83\)](#)" is set to "Enable," ensure that the switches, PCs, and stations are all configured for VLAN operation.

**■ VLAN ID◆**

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

**■ VLAN Priority**

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

## 2.8 NTP



### 2.8.1 Enable NTP

Description	Select Yes / No Use to synchronize the time with an NTP server.
Settings	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No Use</li> </ul>
Default values	No Use

### 2.8.2 Synchronization Interval [hour]◆

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

### 2.8.3 Primary Server

#### 2.8.3.1 Address

##### ■ IPv4

Description	Set the IPv4 Address for NTP Primary Server. Go to <a href="#">“DNS (→page 70)”</a> to set hostname.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

##### ■ IPv6

Description	Set the IPv6 Address for NTP Primary Server. Go to <a href="#">“DNS (→page 70)”</a> to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

### 2.8.3.2 Port◆

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

## 2.8.4 Secondary Server

### 2.8.4.1 Address

#### ■ IPv4

Description	Set the IPv4 address for NTP Secondary Server. Go to <a href="#">“DNS (→page 70)”</a> to set hostname.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

#### ■ IPv6

Description	Set the IPv6 address for NTP Secondary Server. Go to <a href="#">“DNS (→page 70)”</a> to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

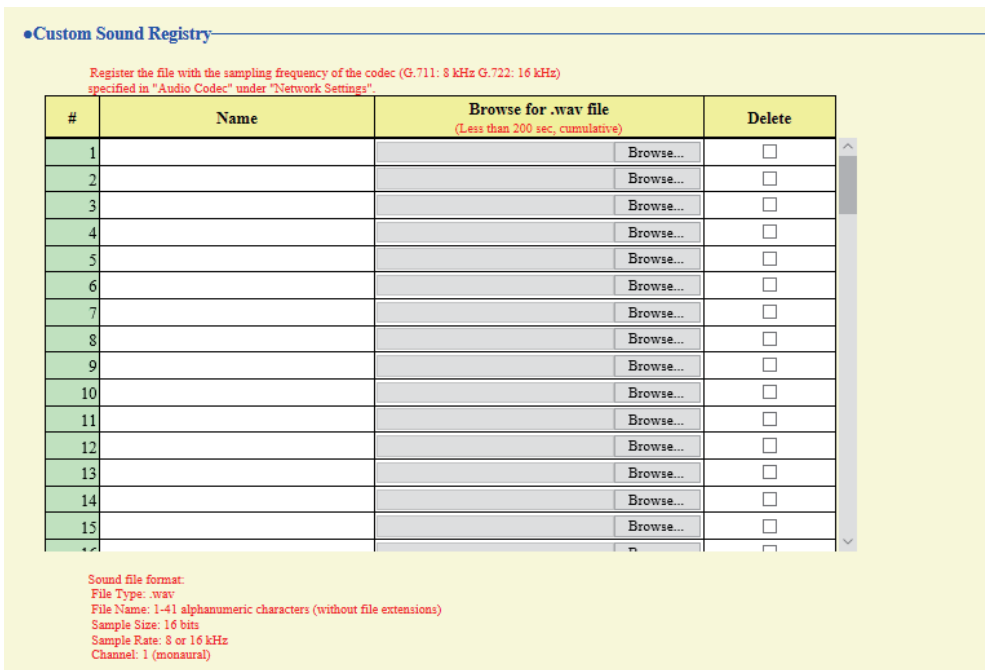
### 2.8.4.2 Port◆

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

# 3. System Information

## 3.1 Custom Sound Registry

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



### ■ Custom Sound Registry

Description	Register the audio files to be used for ringtones, etc.
Settings	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Browse for .wav file: Total of 100 files, and total length within approximately 200 seconds.</li> <li>• File Name: 1-41 alphanumeric characters (without file extensions)</li> <li>• Sound file format:                             <ul style="list-style-type: none"> <li>– File Type: .wav</li> <li>– Sample Size: 16 bits</li> <li>– Sample Rate: 8 or 16 kHz                                      8 kHz (when "<a href="#">Audio Codec (→page 80)</a>" is "G.711 (μ-Law)" or "G.711 (A-Law)")                                      16 kHz (when "<a href="#">Audio Codec (→page 80)</a>" is "G.722")</li> <li>– Channel 1 (monaural)</li> </ul> </li> </ul>
Default values	—

### How to register a custom sound

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



**Note**

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

"Cancel Call, End Communication" disabled when using Option Input call.

#### ■ Call Button Function

Description	Select the Call Button Function when call button is pressed.
Settings	<ul style="list-style-type: none"> <li>• Call: Outgoing call</li> <li>• Call, Cancel Call, End Communication: Outgoing call, Cancel outgoing call, End Communication</li> <li>• Call, Answer Call, End Communication: Outgoing call, Answer call or page, End communication</li> </ul>
Default values	Call



#### Caution

If "[Auto Answer \(→page 100\)](#)" is set to "OFF," always set "Call Button Function" to "Call, Answer Call, End Communication." The call will not be received.



#### Note

- Contact input calls 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)

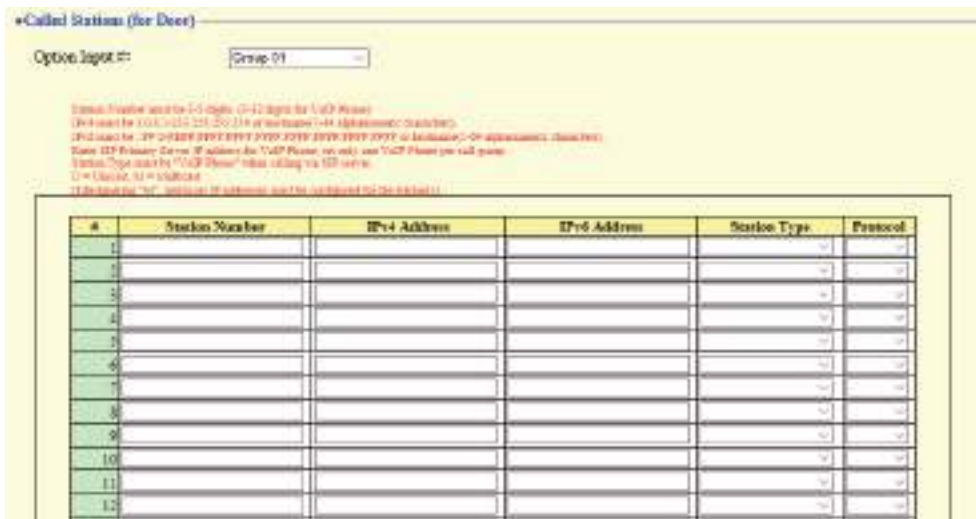
Configure the group to call when a call is made using the call button or via contact input. Up to 20 stations can be configured in a single group, and up to 10 groups can be configured.

Any station other than IX-DA(-\*), IX-BA, or IXW-MA can be registered as call recipient.



#### Important

- Do not register the same station more than once.
- Only one VoIP Phone can be registered to each group.



### How to configure Called Stations (for Door)

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

#### ■ Station Number

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

#### ■ IPv4 Address

Description	Set the IPv4 address of the station. Go to <a href="#">"DNS (→page 70)"</a> to set hostname.
Settings	1.0.0.1-233.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

#### ■ IPv6 Address

Description	Set the IPv6 address of the station. Go to <a href="#">"DNS (→page 70)"</a> to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

## ■ Station Type:

Description	Select the station type.
Settings	<ul style="list-style-type: none"> <li>• IX-MV</li> <li>• IX-MV7-*</li> <li>• IX-RS-*</li> <li>• IX-DV, IX-DVF(-*)</li> <li>• IX-SS-2G</li> <li>• IX-SSA(-*)</li> <li>• VoIP Phone</li> <li>• IX-EA, IX-EAU: Not used.</li> <li>• IX-FA: Not used.</li> </ul>
Default values	—

## ■ Protocol (for IX-DV and IX-DVF(-\*))

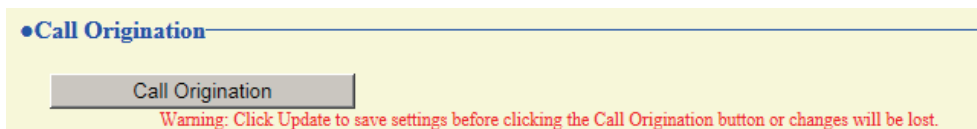
Description	Configure the protocol used for outgoing calls.
Settings	<ul style="list-style-type: none"> <li>• U: The station will be registered in the call destination. An outgoing call is transmitted as unicast.</li> <li>• M: Station will be registered in the call destination. Video is transmitted as multicast for an outgoing call. This can be configured only when the destination station is IX-MV7-* or IX-MV.</li> </ul>
Default values	—

### Important

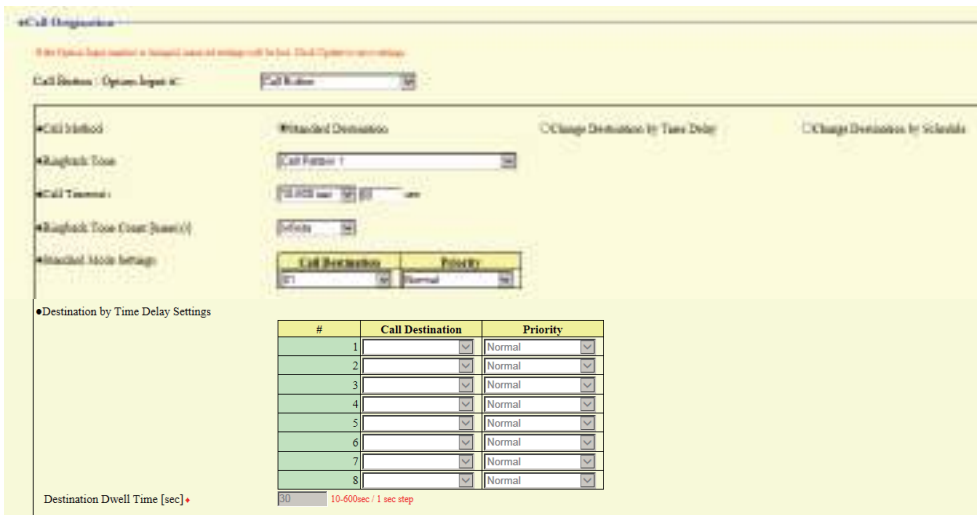
- If "M" is selected, be sure to configure [“Multicast Address \(for IX-DV and IX-DVF\(-\\*\)\) \(→page 75\)”](#).

## 4.3 Call Origination

Click **[Call Origination]**.



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



### 4.3.1 Call Origination Advanced Settings

#### How to configure advanced Call Origination settings

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

#### ■ Call Method

Description	Select the Call Method to change call destinations automatically by time delay or schedule. For details on how to configure the settings, refer to <a href="#">“Standard Mode Settings (→page 94)”</a> .
Settings	<ul style="list-style-type: none"> <li>• Standard Destination: Do not change call destination automatically.</li> <li>• Change Destination by Time Delay: Change destination group from <a href="#">“Call Destination (→page 94)”</a> after <a href="#">“Destination Dwell Time [sec] (→page 94)”</a>. Up to 8 groups can be used.</li> <li>• Change Destination by Schedule: Change destination group by <a href="#">“Schedule Settings (→page 95)”</a>.</li> </ul>
Default values	Standard Destination

## ■ Ringback Tone

Description	Select the sound to be played by the station when placing a call.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">"Custom Sound Registry (→page 87)"</a>.</li> </ul>
Default values	Call Button: Call Pattern 1 Option Input 1: Call Pattern 2 Option Input 2: Call Pattern 3 Option Input 3: Call Pattern 4 Option Input 4: Call Pattern 5 Option Input 5: Call Pattern 6 Option Input 6: Tremolo Sound

## ■ Call Timeout◆

Description	Configure the Call Timeout for outgoing call.
Settings	<ul style="list-style-type: none"> <li>• 10 - 600 sec: Select to set between 10-600 sec (by 1 sec)</li> <li>• Infinite: Keep calling until call is answered</li> </ul>
Default values	60sec

### Note

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

## ■ Ringback Tone Count [time(s)]

Description	Set the play count of ringback tone for outgoing call.
Settings	<ul style="list-style-type: none"> <li>• 1 - 20 times</li> <li>• Infinite: The ringback tone continues to play for the amount of time configured in <a href="#">"Call Timeout◆ (→page 93)"</a>.</li> </ul>
Default values	Infinite

### 4.3.1.1 Standard Mode Settings

Configure the call destination group number and call priority when ["Call Method \(→page 92\)"](#) is set to "Standard Destination".

#### ■ Call Destination

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

#### ■ Priority

Description	Set the call priority.
Settings	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Priority</li> <li>• Urgent</li> </ul>
Default values	<ul style="list-style-type: none"> <li>• Call Button: Normal</li> <li>• Option Input 1-5: Normal</li> <li>• Option Input 6: Urgent</li> </ul>

### 4.3.1.2 Destination by Time Delay Settings

Configure the call group number to switchover, switching time, and priority when ["Call Method \(→page 92\)"](#) is set to "Change Destination by Time Delay." Up to eight groups can be configured. Groups will be switched in order at each configured switchover time.

#### ■ Call Destination

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

#### ■ Priority

Description	Set the priority of calls.
Settings	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Priority</li> <li>• Urgent</li> </ul>
Default values	Normal

#### ■ Destination Dwell Time [sec]◆

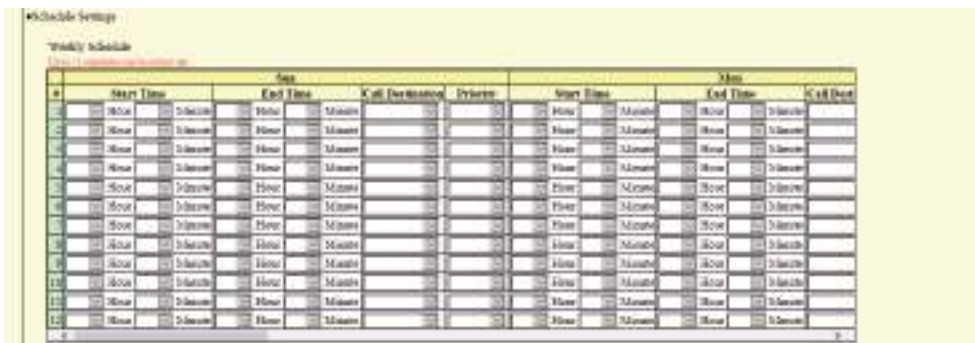
Description	Configure the delay time to change the call destination.
Settings	10-600sec / 1 sec step
Default values	30 sec

## ■ Schedule Settings

Configure when "[Call Method \(→page 92\)](#)" is set to "Change Destination by Schedule."

### How to configure the Weekly Schedule

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



1. Configure the "Start Time," "End Time," "Call Destination," and "Priority" for each day of the week.

2. Click **[Update]**.

### ■ Start Time

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

### ■ End Time

Description	Configure the time to stop changing the call destination. If this is set earlier than " <a href="#">Start Time (→page 95)</a> ", the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

### ■ Call Destination

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

### ■ Priority

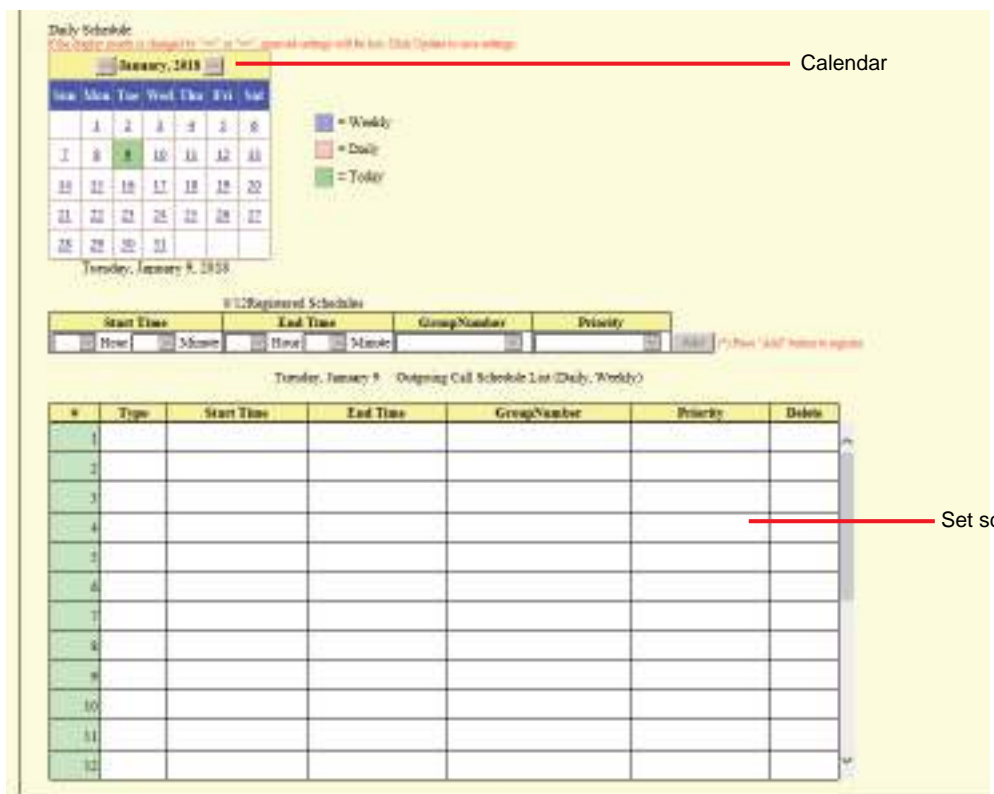
Description	Configure the priority of calls.
Settings	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Priority</li> <li>• Urgent</li> </ul>
Default values	—

### How to delete the Weekly Schedule

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

### How to configure Daily Schedule

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



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

#### ■ Start Time

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

#### ■ End Time

Description	Set the time to stop changing the call destination. If set earlier than " <a href="#">Start Time (→page 96)</a> ", the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

#### ■ Call Destination

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



## ■ Priority

Description	Set the priority of calls.
Settings	<ul style="list-style-type: none"><li>• Normal</li><li>• Priority</li><li>• Urgent</li></ul>
Default values	—

### How to delete Daily Schedule

1. Select the day to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
  - If a weekly schedule is configured for the selected day of the week, it will also be shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
  - Refer to ["How to delete the Weekly Schedule \(→page 95\)"](#) to delete weekly schedules.

### 4.3.2 Tone Settings

**Tone Settings**

Busy Tone Busy Response Tone ▾  
(\*) Tone generated at door release destination station.

Error Tone (Call Failed) Error ▾  
(\*) Tone generated at door release destination station.

#### ■ Busy Tone

Description	Select the sound to be played when call destination station is busy.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Busy Response Tone

#### ■ Error Tone (Call Failed)

Description	Select the sound to be played when outgoing call has failed.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Error

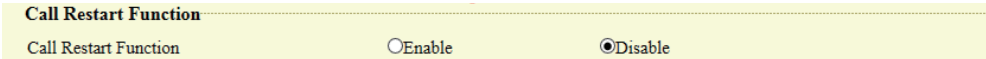
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### 4.3.3 Call Restart Function

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#### ■ Call Restart Function

Description	Select Enable / Disable for Call Restart Function. Call Restart Function: When the station is reset during an outgoing call, the outgoing call will be resumed automatically up to 2 times.
Settings	<ul style="list-style-type: none"><li>• Enable</li><li>• Disable</li></ul>
Default values	Disable

## 4.4 Incoming Call

### 4.4.1 Call Answer Settings

#### ■ Auto Answer

Description	Select ON / OFF to automatically answer the individual call. Auto Answer: When receiving an individual call, answer automatically. When calls from VoIP phones and transferring a call, it must be answered manually.
Settings	<ul style="list-style-type: none"> <li>• OFF: No Auto Answer.</li> <li>• ON: Auto Answer.</li> </ul>
Default values	ON

### 4.4.2 Ringtone

#### ■ Ringtone

Description	Select the ringtone to be played for incoming call.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">"Custom Sound Registry (→page 87)"</a>.</li> </ul>
Default values	Call Pattern3

## ■ Ringback Tone Count [time(s)]

Description	Set the play count of ringtone for incoming call.
Settings	<ul style="list-style-type: none"><li>• Infinite: Keep ringing until the call is answered or canceled.</li><li>• 1 - 20 times</li></ul>
Default values	Infinite

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### 4.4.3 VoIP Phone

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## ■ VoIP Phone Call Priority

Description	Select the call priority from VoIP Phone.
Settings	<ul style="list-style-type: none"><li>• Normal</li><li>• Priority</li><li>• Urgent</li></ul>
Default values	Normal

# 5. Option Input / Relay Output Settings

## 5.1 Option Input

**Option Input**

Option Input #  When using IX-DVF-2RA or IX-DVF-RA, change detection type to "Break" for Input 6.

---

•Name  1-24 alphanumeric characters

•Function  
 No Function  
 Call (\*) Customize Call in "Call Settings".  
 Answer Call / Page  
 Relay Latch Reset  
 API

•Type  
 Make  Break

•Detection Time Range  
 0 (Immediate)  
 200-2000 [msec]  
 3-600 [sec]

Detection Time  200-2000 msec / 100 msec step  
3-600 sec / 1 sec step

•API 1  
 URL  1-128 alphanumeric characters

•API 2  
 URL  1-128 alphanumeric characters

### 5.1.1 Option Input Advanced Settings

**! 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

- Select the option input to be configured in "Option Input #"  
 • The settings of the selected option input are displayed.
- Configure each item.
- Click **[Update]**.

**■ Name**

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

## ■ Function

Description	Configure option input function.
Settings	<ul style="list-style-type: none"> <li>• No Function</li> <li>• Call: Call to destination. Be sure to configure <a href="#">“Call Origination Advanced Settings (→page 92)”</a> (outgoing call via option input 1 to 6).</li> <li>• Answer Call / Page: Answer incoming call or page.</li> <li>• Relay Latch Reset: Reset latch relay output using the option input. "Relay Latch Reset" is selected and "Latch Output" is selected in "Relay Output" - <a href="#">“Function (→page 105)”</a>.</li> <li>• API: Send CGI command set by <a href="#">“API 1 (→page 103)”</a> and <a href="#">“API 2 (→page 103)”</a>.</li> </ul>
Default values	No Function

## ■ Type

Description	Set the detection method of the contact input.
Settings	<ul style="list-style-type: none"> <li>• Make</li> <li>• Break</li> </ul>
Default values	Make

### Important

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

## ■ Detection Time Range

Description	Select the Detection Time Range for Option Input.
Settings	<ul style="list-style-type: none"> <li>• 0 (Immediate): Detect at input less than 200 msec.</li> <li>• 200 - 2000 [msec]: Select when setting a value from 200 to 2000 msec (by 100 msec). Enter the time in "Detection Time◆."</li> <li>• 3 - 600 [sec]: Select when setting a value from 3 to 600 sec (by 1 sec). Enter the time in "Detection Time◆."</li> </ul>
Default values	0 (Immediate)

## ■ API 1

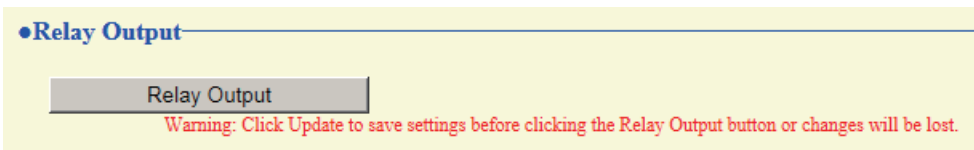
Description	Enter the CGI command to send when <a href="#">“Function (→page 103)”</a> is set to "API."
Settings	URL: 1-128 alphanumeric characters
Default values	—

## ■ API 2

Description	Enter the CGI command to send when "API" is selected in <a href="#">“Function (→page 103)”</a> .
Settings	URL: 1-128 alphanumeric characters
Default values	—

## 5.2 Relay Output

Click **[Relay Output]**.



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



### ! Important

- The four relay output methods are shown below. Redundant configuration is possible for each relay output. If multiple commands occur during a single relay output, the last command will take priority.
  - Function selected in [“Function \(→page 105\)”](#)
  - [“Option Relay Control \(→page 106\)”](#)
  - [“Schedule Settings \(→page 108\)”](#)
  - [“CGI \(→page 121\)”](#)



## 5.2.1 Relay Output Advanced Settings

### How to configure Relay Output

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

#### ■ Name

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

#### ■ Function

Description	Select the function of the Relay Output.
Settings	<ul style="list-style-type: none"> <li>• No Function</li> <li>• Status Output: Relay Output during the status. The details setting can be set in <a href="#">"How to configure Status Output (→page 105)"</a>.</li> <li>• External Audio Output: Relay output during Line audio output. Ignore set <a href="#">"Output Time Range (→page 106)"</a>.</li> <li>• Door Release: Relay output when door release is activated or, entering the authentication key using keypad of the station or the VoIP Phone. Details are configured in <a href="#">"Output Time Range (→page 106)"</a>.</li> <li>• Latch Output: Latch relay output by event trigger. Continue to output until latch reset trigger input. Ignore set <a href="#">"Output Time Range (→page 106)"</a>. Configuration can be set in <a href="#">"How to configure Latch Output (→page 106)"</a>.</li> </ul>
Default values	No Function

### How to configure Status Output

If ["Function \(→page 105\)"](#) is set to "Status Output," select the operating state for when the relay output occurs. This can be selected for each operation priority (multiple selections allowed).

● Status Output	Normal	Priority	Urgent
Outgoing Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incoming Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incoming Page	<input type="checkbox"/>		<input type="checkbox"/>
Monitored	<input type="checkbox"/>		

#### Note

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

### How to configure Latch Output

If ["Function \(→page 105\)"](#) is set to "Latch Output," select the station operating state for when the relay output occurs. This can be selected for each operation priority (multiple selections allowed).

Choose from two restoration methods for relay output.

- Option Input (default value): Reset Latch Output by the Option Input.
- End Communication: Reset Latch Output by ending communication or the option input.

All items are set to "Option Input" by default. To reset by Option Input, be sure to set "Option Input" - ["Function \(→page 103\)"](#) to "Relay Latch Reset."

Latch Output			
	Normal	Priority	Urgent
Outgoing Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Latch Reset Trigger Event Option Input    End Communication

### ■ Option Relay Control

Description	Select Enable / Disable for Option Relay Control when using the speed dial of IX-MV7-* to control the output. If set to "Enable," this can be controlled as optional relay. The output time will be the output time configured in IX-MV7-*.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### ■ Output Time Range

Description	Select the Output Time Range for relay output if <a href="#">"Function (→page 105)"</a> is set to "Door Release" or if the relay output is controlled via <a href="#">"CGI (→page 121)"</a> .
Settings	<ul style="list-style-type: none"> <li>• 200 - 2000 [msec]: Select when configuring a value from 200 to 2000 msec (by 200 msec). Enter the time in "Output Time [msec / sec]◆."</li> <li>• 3 - 600 [sec]: Select when setting a value from 3 to 600 sec (by 1 sec). Enter the time in "Output Time [msec / sec]◆."</li> </ul>
Default values	400 msec

### ■ Door Release Authorization

Description	Set the Authentication Key when "Door Release" is selected in <a href="#">"Function (→page 105)"</a> for releasing the door that is connected to the station. When the "Authentication Key" is confirmed, the relay output will be activated. This will also be the Authentication Key used to release the door using the keypad on IX-MV7-* or VoIP Phone.
Settings	1 - 20 digits
Default values	—

**Important**

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

**Note**

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

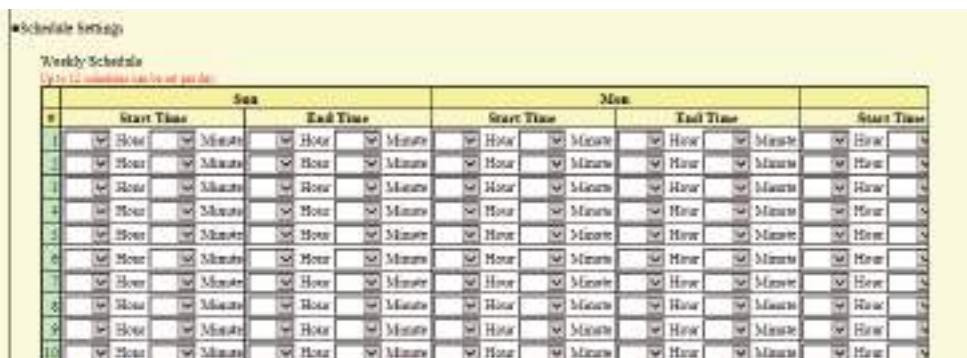
**Sound Settings**

Description	<ul style="list-style-type: none"> <li>• Door Release: Select the Door Release sounds to be played.</li> <li>• Relay Control (start): Select the sound to be played when Option Relay is activated.</li> <li>• Relay Control (end): Select the sound to be played when Option Relay is deactivated.</li> </ul>
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">"Custom Sound Registry (→page 87)"</a>.</li> </ul>
Default values	Door Release: Operation Sound Relay Control (start): None Relay Control (end): None

5.2.1.1 Schedule Settings

How to configure the Weekly Schedule

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



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

■ Start Time

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

■ End Time

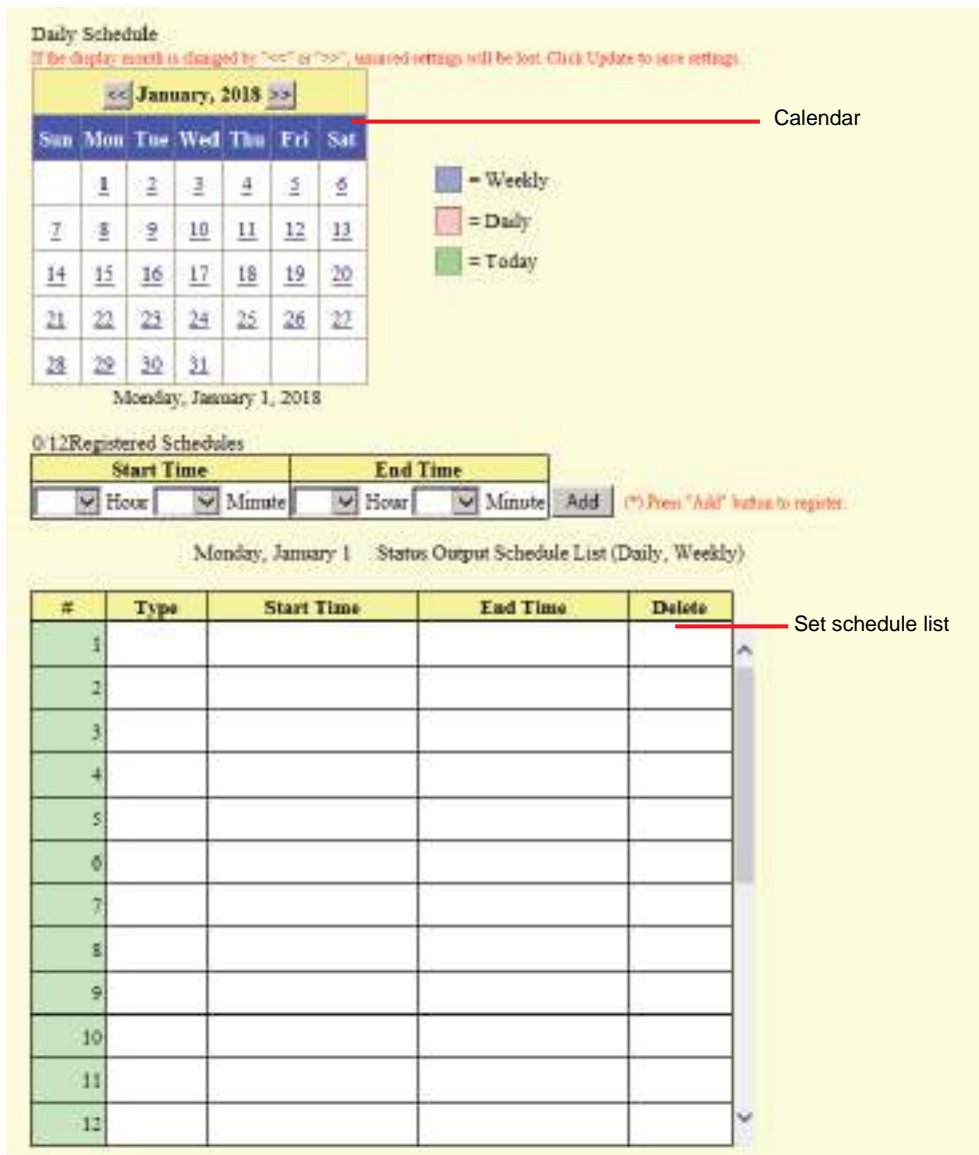
Description	Set the time to end the relay output. If set earlier than " <a href="#">Start Time (→page 108)</a> ", the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the Weekly Schedule

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

### How to configure Daily Schedule

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



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

#### ■ Start Time

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

■ End Time

Description	Set the time to end the relay output. If set earlier than <a href="#">"Start Time (→page 109)"</a> , the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	-

**How to delete Daily Schedule**

1. Select the day to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
  - If a weekly schedule is configured for the selected day of the week, it will also be shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
  - Refer to ["How to delete the Weekly Schedule \(→page 108\)"](#) to delete weekly schedules.

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**5.2.2 Option Relay Control Authentication Key**

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Option Relay Control Authentication Key:  1-20 digits

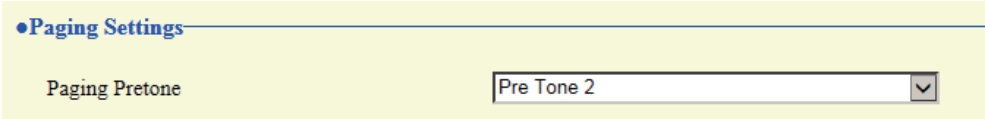
Description	If <a href="#">"Option Relay Control (→page 106)"</a> is set to "Enable" and "Speed Dials / Favorites" - "TLS" is set to "Enable" on the requesting station, configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station performing the operation, the Relay Output can be controlled.
Settings	1 - 20 digits
Default values	—

**Note**

- The "Option Relay Control Authentication Key" is displayed as "●●●●●" in the Settings window.
- Only one Option Relay Control Authentication Key can be set for each station. It will be shared with multiple Relay Output.

# 6. Function Settings

## 6.1 Paging Settings



### ■ Paging Pretone

Description	Select the Paging Pretone.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Pre Tone 2

**! Important**

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

## 6.2 Email

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

The screenshot shows the 'Email' configuration page with the following sections:

- Server Settings:**
  - SMTP Server: [Text input field]
  - SMTP Port: [Text input field with value 25]
  - SMTP Encryption:  OFF  TLS  STARTTLS
- Authentication Settings:**
  - SMTP Authentication:  On  Off
  - Mode:  LOGIN  CRAMMD5
  - ID: [Text input field]
  - Password: [Text input field]
- Email Addresses:**
  - Destination 1: [Text input field]
  - Destination 2: [Text input field]
  - Destination 3: [Text input field]
  - Source Address: [Text input field]

### 6.2.1 Server Settings

#### ■ SMTP Server

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

#### ■ SMTP Port◆

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

#### ■ SMTP Encryption

Description	Select the encryption type for SMTP.
Settings	<ul style="list-style-type: none"> <li>• OFF</li> <li>• TLS</li> <li>• STARTTLS</li> </ul>
Default values	OFF



## 6.2.2 Authentication Settings

### ■ SMTP Authentication

Description	Select ON / OFF for SMTP Authentication.
Settings	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>
Default values	OFF

### ■ Mode

Description	Select the SMTP Authentication Mode.
Settings	<ul style="list-style-type: none"> <li>• LOGIN</li> <li>• CRAM-MD5</li> </ul>
Default values	LOGIN

### ■ ID

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

### ■ Password

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



#### Note

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

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## 6.2.3 Email Addresses

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### ■ Destination 1

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

### ■ Destination 2

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

### ■ Destination 3

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

### ■ Source Address

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

## 6.2.4 Email Event Trigger

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

Email Event Trigger

Event	Destination Address		
	(1)	(2)	(3)
Outgoing Normal Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incoming Normal Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outgoing Priority Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incoming Priority Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outgoing Urgent Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incoming Urgent Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Call Failed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Latch Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station Restarted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SD Card Error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recording Memory Full	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Event	Subject <small>1-64 alphanumeric characters</small>
Outgoing Normal Call	<input type="text"/>
Incoming Normal Call	<input type="text"/>
Outgoing Priority Call	<input type="text"/>
Incoming Priority Call	<input type="text"/>
Outgoing Urgent Call	<input type="text"/>
Incoming Urgent Call	<input type="text"/>
Call Failed	<input type="text"/>
Latch Reset	<input type="text"/>
Error	<input type="text"/>
Station Restarted	<input type="text"/>
SD Card Error	<input type="text"/>
Recording Memory Full	<input type="text"/>

### ■ Outgoing Normal Call

Description	Send email when an outgoing call is placed at "Normal" priority.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Incoming Normal Call

Description	Send email when an incoming call is received at "Normal" priority.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Outgoing Priority Call

Description	Send email when an outgoing call is placed at "Priority" priority.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Incoming Priority Call

Description	Send email when an incoming call is received at "Priority" priority.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Outgoing Urgent Call

Description	Send email when an outgoing call is placed at "Urgent" priority.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Incoming Urgent Call

Description	Send email when an incoming call is received at "Urgent" priority.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Call Failed

Description	Send email when outgoing call has failed.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Latch Reset

Description	Send email when reset latch relay output. ("Latch Output" is selected in "Relay Output" - <a href="#">"Function (→page 105)"</a> .)
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Error

Description	Send email when a communication error has occurred.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Station Restarted

Description	Send email when the station has reset.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ SD Card Error

Description	Send email when a microSD access error is detected. If the error is detected continuously, mail will not be sent an additional time.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Recording Memory Full

Description	<p>Send email when a microSD card meets following criteria. If the error is detected continuously, mail will not be sent an additional time.</p> <ul style="list-style-type: none"> <li>• When "Prevent Overwrite (→page 131)" is set to "Enable"                             <ul style="list-style-type: none"> <li>– Recorded recordings exceeds 950</li> <li>– Storage capacity remaining 5%</li> </ul> </li> <li>• When "Prevent Overwrite (→page 131)" is set to "Disable"                             <ul style="list-style-type: none"> <li>– Recorded recordings exceeds 999</li> <li>– Storage capacity remaining 0%</li> </ul> </li> </ul>
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

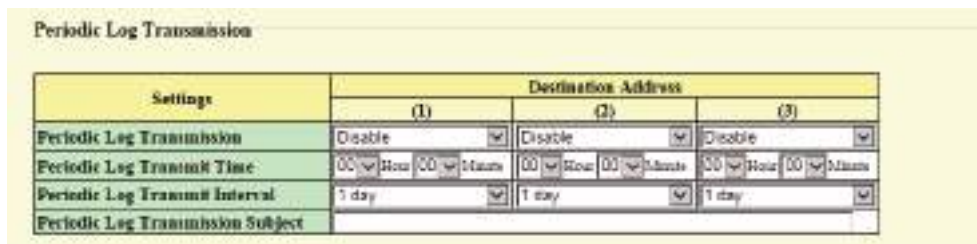
### ■ Subject

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

### ! Important

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

## 6.2.5 Periodic Log Transmission



### ■ Periodic Log Transmission

Description	Select Enable / Disable for send station log periodically.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### ■ Periodic Log Transmit Time

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

### ■ Periodic Log Transmit Interval

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

### ■ Periodic Log Transmission Subject

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

### Important

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

## 6.2.6 Send Test Email

Send a test email to the destination address specified in ["Email Addresses \(→page 114\)"](#).



### How to send a test email

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

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

**! Important**

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

## 6.2.7 Additional Settings (for IX-DV and IX-DVF(-\*))

**Additional Settings**

[UTF-8] used for "Attachment Image Filename" encoding; the filename may be garbled depending on mail server.

Attach Image  Enable  Disable

If set to [Enable], an image will be attached when sending "Normal Call", "Priority Call", or "Urgent Call".

Image Filename  1-64 alphanumeric characters

### ■ Attach Image

Description	Select Enable / Disable to send an image with the email when "Outgoing Normal Call", "Outgoing Priority Call" and "Outgoing Urgent Call" is selected in <a href="#">"Email Event Trigger (→page 115)"</a> .
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### ■ Image Filename

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

### ! Important

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



## 6.3 CGI

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

### 6.3.1 CGI Functionality

**CGI**

CGI Functionality  Enable  Disable

Description	Select Enable / Disable for CGI functionality.
Settings	<ul style="list-style-type: none"><li>• Enable</li><li>• Disable</li></ul>
Default values	Disable

**! Important**

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

## 6.4 SIF

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



### 6.4.1 SIF Functionality

Description	Select Enable / Disable for SIF functionality.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### 6.4.2 SIP URI Format

Description	Select Enable / Disable when SIP URI Format is used for station destination. TERM ID cannot be used when SIP URI Format is selected.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### 6.4.3 SIF Settings

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

 **Note**

- There are two ways to configure SIF communication: manually configuring settings or uploading a file in [“SIF Communication Settings \(sif.ini\) \(→page 129\)”](#). The latest setting will take priority.

## ■ Program Type

Description	Set the Program Type for SIF.
Settings	0000 - 1111 If this is set to "0000," "0001," or "0011," the <a href="#">"Transmission Trigger (→page 124)"</a> setting will be disabled.
Default values	—

## ■ IPv4

Description	Set the SIF IPv4 destination address. Go to <a href="#">"DNS (→page 70)"</a> to set Hostname.
Settings	1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)
Default values	—

## ■ IPv6

Description	Set the SIF IPv6 destination address. Go to <a href="#">"DNS (→page 70)"</a> to set Hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1-64 alphanumeric characters)
Default values	—

## ■ Destination Port

Description	Set the Port Number for destination.
Settings	1 - 65535
Default values	—

## ■ SSL

Description	Select Enable / Disable for SSL.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	-

## ■ Connection

Description	Select Socket / HTTP for connection.
Settings	<ul style="list-style-type: none"> <li>• Socket</li> <li>• HTTP</li> </ul>
Default values	-

### 6.4.4 Transmission Trigger

Configure the SIF sending trigger when [“Program Type \(→page 123\)”](#) 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Begin Communication (Source)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change contact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Periodical Transmission	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Initialization Notice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Outgoing Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Begin Incoming Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Incoming Call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Latch Reset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change Call Destination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Call Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Begin Incoming Page	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Incoming Page	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Begin Monitored	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Monitored	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Begin Communication (Destination)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Begin Record	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Record	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recording Memory Full	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SD Card Error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SIP Registration Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### ■ Begin Outgoing Call

Description	Send SIF command when outgoing call is placed.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

#### ■ Begin Communication (Source)

Description	Send SIF command when beginning communication.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

#### ■ End Communication

Description	Send SIF command when ending communication.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Change contact

Description	Send SIF command when Option Input contact or Relay Output contact is changed.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Unit error

Description	Send SIF command when communication error has occurred.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Periodical Transmission

Description	Periodically send the station status using SIF command. The interval is set in <a href="#">“Periodical Transmission Interval (→page 128)”</a> .
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Initialization Notice

Description	Send SIF command when the station is booted.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ End Outgoing Call

Description	Send SIF command when ending an outgoing call.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Begin Incoming Call

Description	Send SIF command when beginning an incoming call.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ End Incoming Call

Description	Send SIF command when ending an incoming call.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Latch Reset

Description	Send SIF command by reset latch relay output. ("Latch Output" is selected in "Relay Output" - " <a href="#">Function (→page 105)</a> ")
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Change Call Destination

Description	Send SIF command when changing call destination by delay time or schedule, or making an absent transfer, delay transfer or schedule transfer by the destination station.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Call Failure

Description	Send SIF command when failed to place a call.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Begin Incoming Page

Description	Send SIF command when beginning an incoming page, message page, or external input page.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ End Incoming Page

Description	Send SIF command when ending an incoming page, message page, or external input page.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Begin Monitored

Description	Send SIF command when beginning monitoring.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ End Monitored

Description	Send SIF command when ending monitoring.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Begin Communication (Destination)

Description	Send SIF command when communication begins.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Begin Record

Description	Send SIF command when beginning recording.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ End Record

Description	Send SIF command when recording ends.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ Recording Memory Full

Description	<p>Send SIF command when a microSD card meets following criteria. If the error is detected continuously, SIF command will not be sent an additional time.</p> <ul style="list-style-type: none"> <li>• When <a href="#">“Prevent Overwrite (→page 131)”</a> is set to "Enable"                             <ul style="list-style-type: none"> <li>– Recorded recordings exceeds 950</li> <li>– Storage capacity remaining 5%</li> </ul> </li> <li>• When <a href="#">“Prevent Overwrite (→page 131)”</a> is set to "Disable"                             <ul style="list-style-type: none"> <li>– Recorded recordings exceeds 999</li> <li>– Storage capacity remaining 0%</li> </ul> </li> </ul>
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ SD Card Error

Description	Send SIF command when a microSD access error is detected.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

### ■ SIP Registration Failure

Description	Send SIF command when REGISTER request for SIP server has a failure.
Settings	<ul style="list-style-type: none"> <li>• Checked: Send</li> <li>• Unchecked: Do not send</li> </ul>
Default values	Unchecked: Do not send

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### 6.4.5 Periodical Transmission Interval

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**Periodical Transmission Interval**

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

■ Periodical Transmission Interval◆

Description	Set the interval to send the station status periodically using SIF command in <a href="#">“Periodical Transmission (→page 125)”</a> .
Settings	<ul style="list-style-type: none"><li>• 0 (Do not send) - 1440 (min)</li><li>• 1 - 59 (sec): Enter 10001 - 10059 when setting 1 - 59 sec.</li></ul>
Default values	0 (do not send)



## 6.4.6 SIF File Management



### ■ SIF Communication Settings (sif.ini)

Description	Upload or download the content in “ <a href="#">SIF Settings (→page 122)</a> ” with "sif.ini." <ul style="list-style-type: none"> <li>• Upload: Click [<b>Browse</b>], select a file, and then click [<b>Upload</b>].</li> <li>• Download: Click [<b>Download</b>] to save the file.</li> </ul>
Settings	—
Default values	—

### ■ SIF Parameter Settings (sif\_conf.ini)

Description	Use "sif_conf.ini" to upload or download SIF details if “ <a href="#">Program Type (→page 123)</a> ” is set to "0000," "0001," or "0011." <ul style="list-style-type: none"> <li>• Upload: Click [<b>Browse</b>], select a file, and then click [<b>Upload</b>].</li> <li>• Download: Click [<b>Download</b>] to save the file.</li> </ul>
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

•Record

Record Mode  
Record Event

Prevent Overwrite  
Video Recording File Length  
Audio Recording

No Recording  
 Outgoing Call  
 Event Recording  
 Communication  
 24/7 Recording  
 Monitored  
 Schedule

Enable  
 Disable

Enable  
 Disable

For audio stations, audio recording begins when outgoing call is answered if "Outgoing Call" is set to "Yes".

### ! Important

- A microSD card is not included with this station.
- 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 trigger in use to start recording video/audio automatically.
Settings	<ul style="list-style-type: none"> <li>• No Recording</li> <li>• Event Recording: Automatically record when the trigger set in "Record Event" has occurred.</li> <li>• 24/7 Recording: Continuous recording while the station is operating normally.</li> </ul>
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. <ul style="list-style-type: none"> <li>• Outgoing Call: Video recording will start when a call is placed. Audio recording will start once the outgoing call is answered.</li> <li>• Communication: Recording starts when communication begins.</li> <li>• Monitored: Recording starts when station is Monitored. Recording is not possible during Scan Monitor.</li> <li>• Schedule: Record during schedule set in <a href="#">"Schedule Settings (→page 132)"</a>.</li> </ul>
Default values	Not selected

### ! Important

- Video/audio recording will continue for the time set in ["Weekly Schedule \(→page 132\)"](#), regardless of what is configured for other triggers.

## ■ Prevent Overwrite

Description	Set prevent overwriting the old recorded file, when the number of saved video/audio files or the microSD card storage space is full.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

## ■ Video Recording File Length

Description	Select the recording file length to split recording. Once recording has reached this time, a new recording file will be created automatically.
Settings	<ul style="list-style-type: none"> <li>• 5 min</li> <li>• 10 min</li> <li>• 20 min</li> <li>• 40 min</li> <li>• 60 min</li> </ul>
Default values	10 min



### Note

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

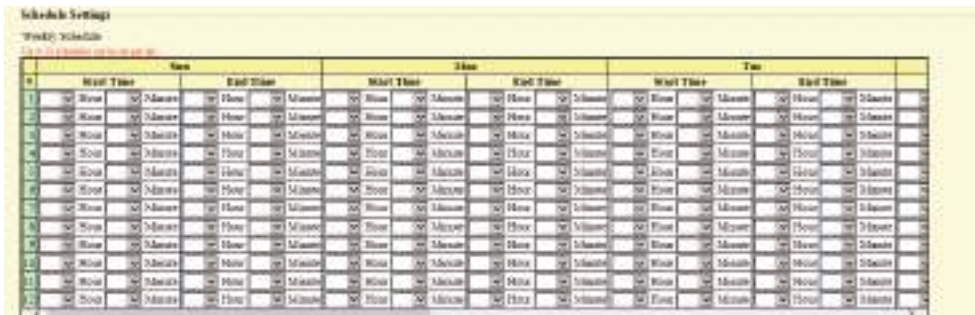
## ■ Audio Recording (for IX-DV and IX-DVF(-\*))

Description	Select Enable / Disable for audio recording with video.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Enable

## 6.5.1 Schedule Settings

### 6.5.1.1 Weekly Schedule

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



#### How to configure the weekly schedule

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

#### ■ Start Time

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

#### ■ End Time

Description	Set the End Time to stop recording. If this is set earlier than <a href="#">"Start Time (→page 132)"</a> , the end time will be for the following day.
Settings	00:00 - 23:59
Default values	-

#### How to delete the weekly schedule

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

## 6.6 Communication Audio Messages

Configure the Communication Audio Messages.

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

•Communication Audio Messages

Start Communication

Code Received

#	Code (* 1-20 digits)	Message
1	<input type="text"/>	<input type="text" value="None"/>
2	<input type="text"/>	<input type="text" value="None"/>
3	<input type="text"/>	<input type="text" value="None"/>
4	<input type="text"/>	<input type="text" value="None"/>

### 6.6.1 Start Communication

Description	Select the message to be sent to destination station when beginning communication.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

## 6.6.2 Code Received

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

### ■ Code

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



### Note

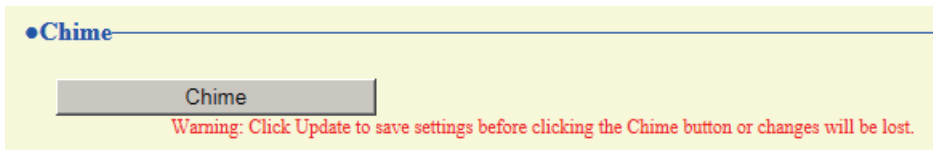
- The "Code" is displayed as "●●●●" in the Settings screen.

### ■ Message

Description	Set the code to play message by keypad input from IX-MV7-* or VoIP Phone.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

## 6.7 Chime

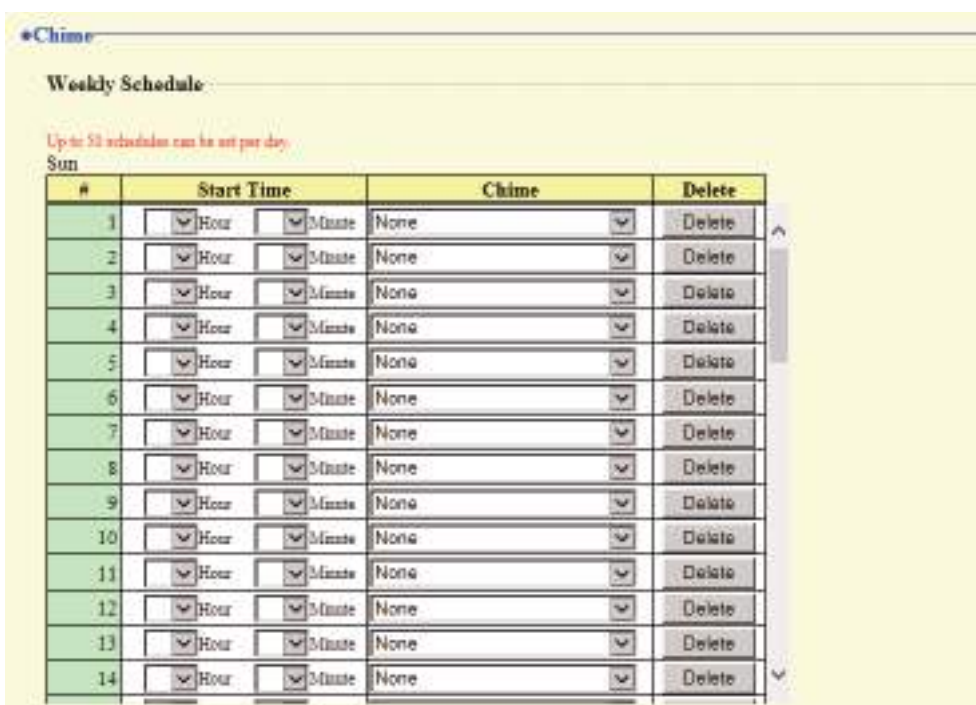
Configure the chime tone to be played from this station linked with the set schedule.  
Click **[Chime]**.



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

### 6.7.1 Weekly Schedule

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



#### How to configure the Weekly Schedule

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

#### ■ Start Time

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

## ■ Chime

Description	Set the sound for chime.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

### How to delete the Weekly Schedule

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



## 6.7.2 Daily Schedule

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

**Daily Schedule**

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

Calendar: January, 2018

Legend:  
 - Weekly (Blue)  
 - Daily (Red)  
 - Today (Green)

0/50 Registered Schedules

Start Time: Hour Minute Chime: None Add (\*) Press "Add" button to register.

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

#	Type	Start Time	Chime	Delete
1				
2				

### How to configure Daily Schedule

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

#### ■ Start Time

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

## ■ Chime

Description	Set the sound for chime.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern 1</li> <li>• Call Pattern 2</li> <li>• Call Pattern 3</li> <li>• Call Pattern 4</li> <li>• Call Pattern 5</li> <li>• Call Pattern 6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

### How to delete Daily Schedule

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
  - If a weekly schedule is configured for the selected day of the week, it will also be shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
  - Refer to [“How to delete the Weekly Schedule \(→page 136\)”](#) to delete a weekly schedule.

## 6.8 CSR

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

### How to generate a signature request (CSR)

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

#### ■ Country

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

#### ■ State/County/Region

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

#### ■ City/Locality

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

#### ■ Organization

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

#### ■ Organizational Unit

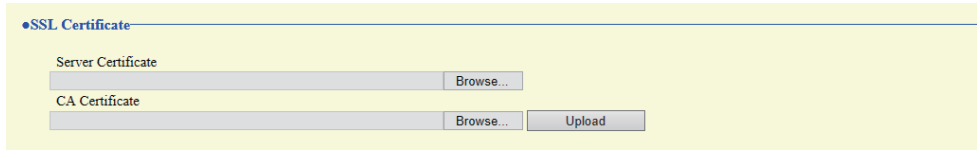
Description	Set the division name.
Settings	1-64 alphanumeric characters
Default values	-

**Common Name**

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

## 6.9 SSL Certificate

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



•SSL Certificate

Server Certificate  Browse...

CA Certificate  Browse... Upload

### ! Important

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

### How to upload an SSL Certificate

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

## 6.10 IEEE 802.1X

Configure the settings for IEEE 802.1X authentication.

### Important

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

### ■ IEEE 802.1X

Description	Select Enable / Disable for IEEE802.1X function.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### ■ EAP

Description	Select the EAP method for IEEE802.1X authentication when " <a href="#">IEEE 802.1X (→page 142)</a> " is set to "Enable".
Settings	<ul style="list-style-type: none"> <li>• TLS</li> <li>• PEAP</li> </ul>
Default values	TLS

### ■ EAP User Name

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

### ■ EAP Password

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

### Note

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

### ■ Certificate Authority

Description	Upload a CA certificate.
Settings	<ul style="list-style-type: none"> <li>• Upload: Click <b>[Browse]</b>, select a file, and then click <b>[Upload]</b>.</li> <li>• Delete: Click <b>[Delete]</b> to delete registered data.</li> </ul>
Default values	—

### ■ Client Certificate

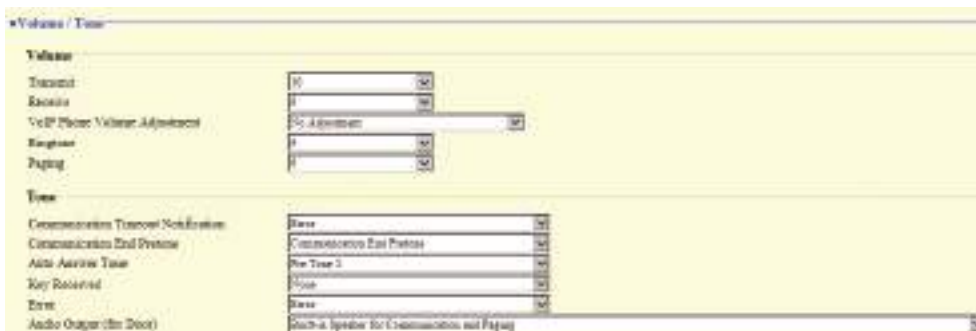
Description	Upload the certificate for client authentication if "EAP" is set to "TLS."
Settings	<ul style="list-style-type: none"> <li>• Upload: Click <b>[Browse]</b>, select a file, and then click <b>[Upload]</b>.</li> <li>• Delete: Click <b>[Delete]</b> to delete registered data.</li> </ul>
Default values	—

### ■ Client Private Key

Description	Upload the private key for client authentication if "EAP" is set to "TLS."
Settings	<ul style="list-style-type: none"> <li>• Upload: Click <b>[Browse]</b>, select a file, and then click <b>[Upload]</b>.</li> <li>• Delete: Click <b>[Delete]</b> to delete registered data.</li> </ul>
Default values	—

# 7. Station Settings

## 7.1 Volume / Tone



### 7.1.1 Volume

#### ■ Transmit

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

#### ■ Receive

Description	Set the receive volume while communicating. This sets the Ringback Tone volume, as well.
Settings	1 (Low) - 10 (High)
Default values	6

#### ■ VoIP Phone Volume Adjustment

Description	Select the volume adjustment between VoIP Phone and IX stations.
Settings	<ul style="list-style-type: none"> <li>• -12dB from VoIP, +12dB to VoIP</li> <li>• -6dB from VoIP, +6dB to VoIP</li> <li>• No Adjustment</li> <li>• +6dB from VoIP, -6dB to VoIP</li> <li>• +12dB from VoIP, -12dB to VoIP</li> </ul>
Default values	No Adjustment

#### ■ Ringtone

Description	Select the volume for Ringtone and Paging Pretone.
Settings	0 (Off), 1 (Low) - 10 (High)
Default values	6



## ■ Paging

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

## 7.1.2 Tone

### ■ Communication Timeout Notification

Description	Select the tone to be played when an outgoing call times out.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Error

### ■ Communication End Pretone

Description	Select the tone to be played 10 sec before communication, paging or monitoring ends.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Communication End Pretone

## ■ Auto Answer Tone

Description	Ringtone when receiving an individual call. <a href="#">“Auto Answer (→page 100)”</a> must be set to "ON."
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Pre Tone 1

## ■ Key Received

Description	Configure the tone to send to the destination station when the door release key entered using a keypad on the destination station (station performing a door release operation) matches the authentication key of this station(station connected to the electrical lock). The tone will be heard on the other station.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

■ Error

Description	Select the tone to be played when error has occurred.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	Error

■ Audio Output (for Door)

Description	Set using Line Audio / External Speaker or Built-in Speaker while communicating and paging.
Settings	<ul style="list-style-type: none"> <li>• Built-in Speaker for Communication and Paging</li> <li>• Line Audio Output for Communication and Paging</li> <li>• Built-in Speaker for Communication, Line Audio Output for Paging</li> </ul>
Default values	Built-in Speaker for Communication and Paging

## 7.2 Communication

• **Communication**

Talk Timeout [sec] ♦ 30-600 sec ▼ 60 sec Infinite or 30-600 sec / 1 sec step

Communication Start Tone None ▼

### ■ Talk Timeout [sec] ♦

Description	Set the communication timer when placing a call or answering a page. Communication timer when receiving a call is set at the destination station.
Settings	<ul style="list-style-type: none"> <li>• Infinite: No timeout.</li> <li>• 30 - 600 sec: Configure between 30 to 600 sec (by 1 sec).</li> </ul>
Default values	60 sec

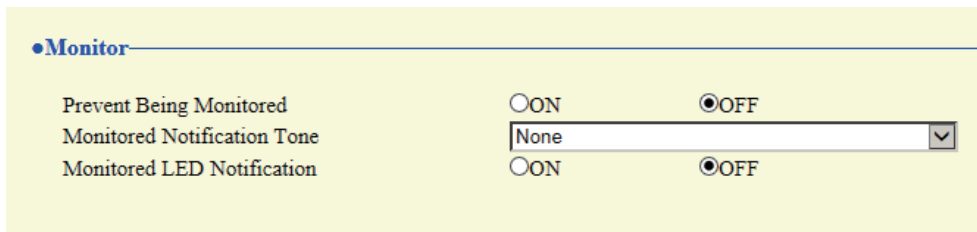
### ! Important

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

### ■ Communication Start Tone

Description	Select the tone to be played when communication starts.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

## 7.3 Monitor



### ■ Prevent Being Monitored

Description	Select ON / OFF to prevent being monitored.
Settings	<ul style="list-style-type: none"> <li>• OFF: Prevent being monitored.</li> <li>• ON: Allow monitoring.</li> </ul>
Default values	OFF

### ■ Monitored Notification Tone

Description	Select the tone to be played when monitored by another station.
Settings	<ul style="list-style-type: none"> <li>• None</li> <li>• Call Pattern1</li> <li>• Call Pattern2</li> <li>• Call Pattern3</li> <li>• Call Pattern4</li> <li>• Call Pattern5</li> <li>• Call Pattern6</li> <li>• Tremolo Sound</li> <li>• Busy Response Tone</li> <li>• On Hold</li> <li>• Operation Sound</li> <li>• Error</li> <li>• Pre Tone 1</li> <li>• Pre Tone 2</li> <li>• Pre Tone 3</li> <li>• Communication End Pretone</li> <li>• Call Queue Notification</li> <li>• Waiting Reply Tone</li> <li>• Select a sound that is registered in <a href="#">“Custom Sound Registry (→page 87)”</a>.</li> </ul>
Default values	None

### ■ Monitored LED Notification

Description	Select ON / OFF for status LED notification (Blue flashing) while being monitored by another station.
Settings	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>
Default values	OFF

## 7.4 Camera (for IX-DV and IX-DVF(-\*))

Configure the settings for the camera.



### 7.4.1 Adjustment

#### ■ Backlight Compensation

Description	During an outgoing call or monitoring, video with backlight compensation adjustment will be sent to the destination station. The adjustment can be removed through operation by the destination station.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

#### ■ Low Light Sensitivity

Description	Send an image that low light sensitivity compensation was performed to the other station, when an outgoing call is made or the station is being monitored and the area around the other station is dark (such as at night). The compensation can be removed on the other station.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

### 7.4.2 White LED

#### ■ Call / Communication

Description	Select Enable / Disable for white LED while calling or communicating in low light situation.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Enable

#### ■ Monitored

Description	Select Enable / Disable for white LED while being monitored in low light situation.
Settings	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>
Default values	Disable

# 8. Maintenance

## 8.1 Firmware Update

Access our website at <https://www.aiphone.net/support/> to download the latest version of the firmware.



### How to update the firmware

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

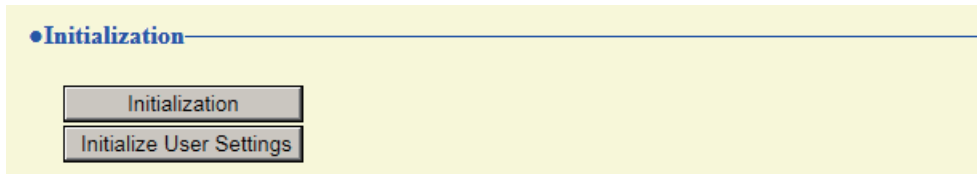
#### Important

- 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 the update fails, repeat the procedure.

## 8.2 Initialization



### How to initialize

1. Click **[Initialization]** or **[Initialize User Settings]**.
  - Initialization: All settings revert to their default values. The system log and outgoing/incoming call history will be cleared.
  - Initialize User Settings: Only user settings are initialized.
2. Click **[OK]**.
  - Click **[Cancel]** to cancel the initialization.

### Important

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



## 8.3 Settings File Backup

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

### How to back up the setting file

#### ! Important

- When a setting is changed, back up the setting file. With the backup setting file, the settings of a replaced station can easily be restored.
- The following items are not backed up. Save them separately from setting file.
  - Sound data registered in [“Custom Sound Registry \(→page 87\)”](#)
  - SIF data uploaded in [“SIF \(→page 122\)”](#)
  - Certificate data uploaded in [“SSL Certificate \(→page 141\)”](#)
  - Certificate and other data uploaded in [“IEEE 802.1X \(→page 142\)”](#)

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



#### 2. Specify the location to store the setting file.

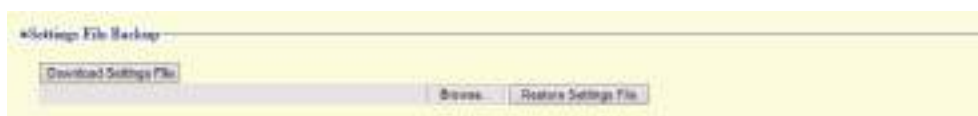
- The default file name is "GetConfig." Change the file name if needed.

### How to restore setting file

#### ! Important

- When setting data is restored (including updating the IP address), the station will restart. This may take approx. 10 minutes in total.
- Data for the following items cannot be restored using this procedure. Instead, upload from each item.
  - Audio source data registered in [“Custom Sound Registry \(→page 87\)”](#)
  - SIF data uploaded in [“SIF \(→page 122\)”](#)
  - Certificate data uploaded in [“SSL Certificate \(→page 141\)”](#)
  - Certificate data and the like uploaded in [“IEEE 802.1X \(→page 142\)”](#)

#### 1. Click [Browse].



#### 2. Select the setting file to be restored, and click [Open].

#### 3. Click [Restore Settings File].

#### 4. Click [OK].

- Click [Cancel] to cancel the restore process.

## 8.4 System Log

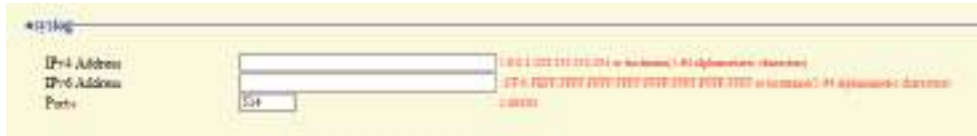
Download the system log to view the operation of the station. The log is mainly used for troubleshooting.



### How to view the system log

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

## 8.5 syslog



### ■ IPv4 Address

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

### ■ IPv6 Address

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

### ■ Port◆

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

## 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 \(→page 80\)](#)" is set to "G.722."
- The "ONVIF ID" and "ONVIF Password" may be changed by the 3rd party product.

### ■ Configuring IX-DV and IX-DVF video for 3rd party integration

1. Set "[Second Video Encoder \(→page 78\)](#)" for "Enable."
2. Configure advanced video and audio settings.
  - Configure video in "[Video Encoder 2 \(→page 78\)](#)", and audio in "[Audio 2 RTP Start Port♦ \(→page 81\)](#)" and "[Audio 2 RTP End Port♦ \(→page 81\)](#)".
3. Register IX-DV or IX-DVF(-\*) on the 3rd party product.
  - Enter the following as required.
    - ONVIF ID: Configure in "[ONVIF ID \(for IX-DV and IX-DVF\(-\\*\)\) ♦ \(→page 62\)](#)"
    - ONVIF Password: Configure in "[ONVIF Password \(for IX-DV and IX-DVF\(-\\*\)\) ♦ \(→page 62\)](#)"
    - ONVIF port number: 10080
    - RTSP ID: Configure in "[RTSP ID♦ \(→page 63\)](#)"
    - RTSP Password : Configure in "[RTSP Password ♦ \(→page 63\)](#)"
    - RTSP port number: 554
  - For how to register, refer to the instruction manual of the 3rd party product.



<https://www.aiphone.net/>

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