

IX Series

IP network-compatible intercom

Master Station

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

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-MV7-* through a web browser.

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

1. Notational symbols in this manual

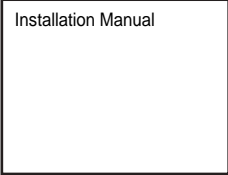

The following symbols identify important information concerning operational procedures.

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

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

2. Product manuals

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

	<p>Installation Manual (comes with each station.) 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 "https://www.aiphone.co.jp/data/." Please download and refer to them as needed.</p>	<p>IX Support Tool Setting Manual (electronic manual (PDF file).) 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>Monitoring Software (IX Supervision Tool) Operation Manual (Electronic format (PDF file).) Describes how to use the Monitoring Software. (For system administrator)</p>
	<p>Operation Manual (Electronic format (PDF file).) Describes how to use each station. (For user)</p>
	<p>Web Setting Manual (Electronic format (PDF file).) Describes how to set up each station through a web browser. (For system administrator)</p>
<p>Installation Manual (Electronic format (PDF file).) 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

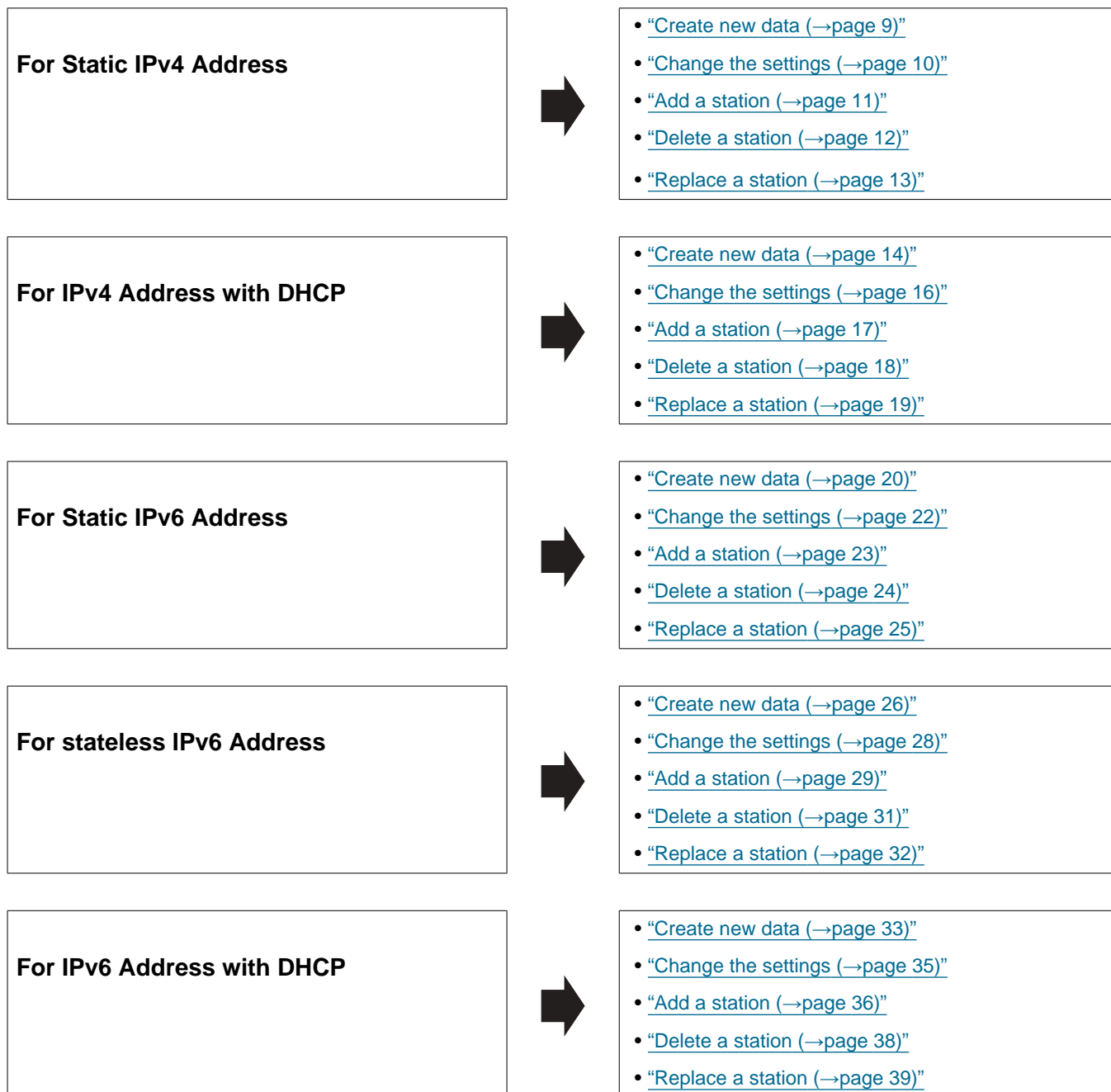
- Once the system has been configured through a browser, the settings cannot be transferred to the IX Support Tool. Using the IX Support Tool is the recommended method to manage settings.
- If web browser configuration is used to change the "Identification" "[Number♣♣ \(→page 64\)](#)", "ID and password" "[Administrator ID♣♣ \(→page 65\)](#)" "[Administrator Password♣♣ \(→page 65\)](#)", "IPv4 Address" "[IP Address♣♣ \(→page 71\)](#)", "IPv6 Address" "[IP Address \(→page 71\)](#)", or "Address Book" "[Station List♣ \(→page 89\)](#)" 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 \(→page 195\)”](#) 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 \(→page 195\)”](#).
- 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 \(→page 66\)”](#).

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



4. Configure the station.

[“Configuring the Station \(→page 63\)”](#)



5. Configure other stations in the same manner.

Refer to each station's Web Setting Manual.



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

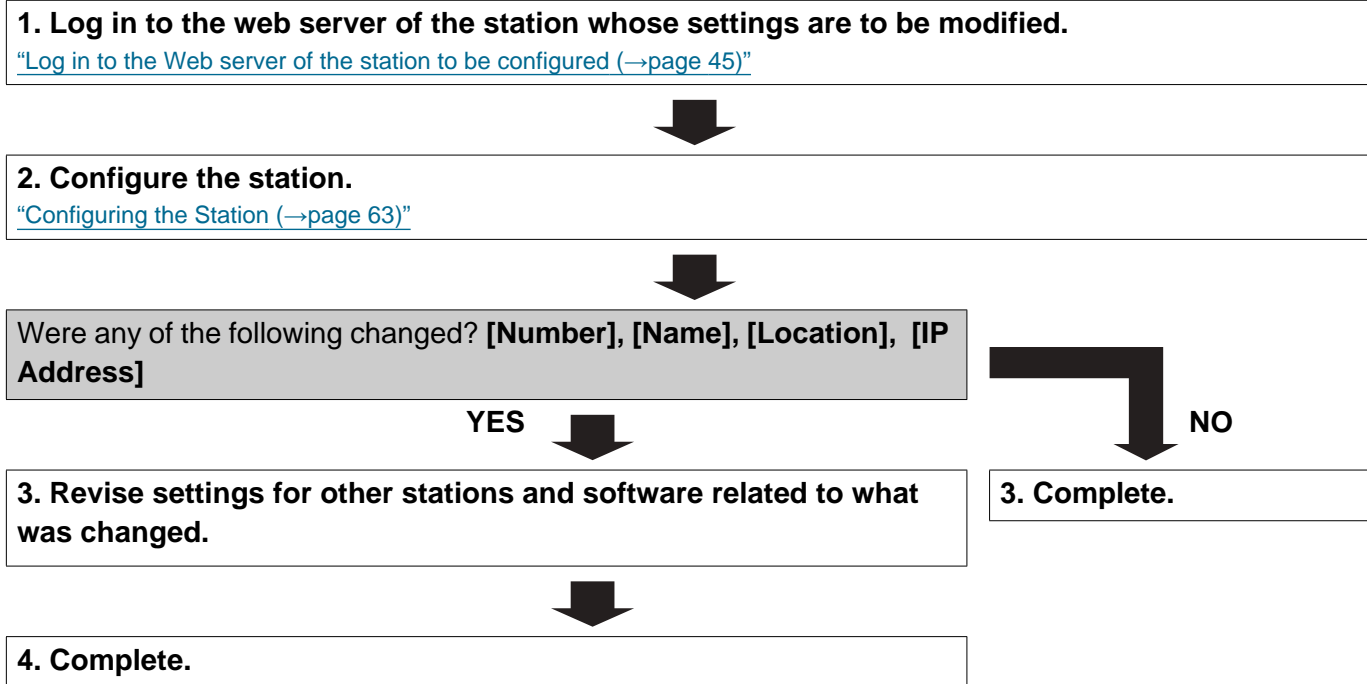
Refer to each station's Operation Manual.



7. 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 one at a time.

[“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 66)”.

Click [Update] to update the settings.



4. Configure the station.

[“Configuring the Station \(→page 63\)”](#)



5. Add settings data to existing stations if required.



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

Refer to each station's Operation Manual.



7. 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.

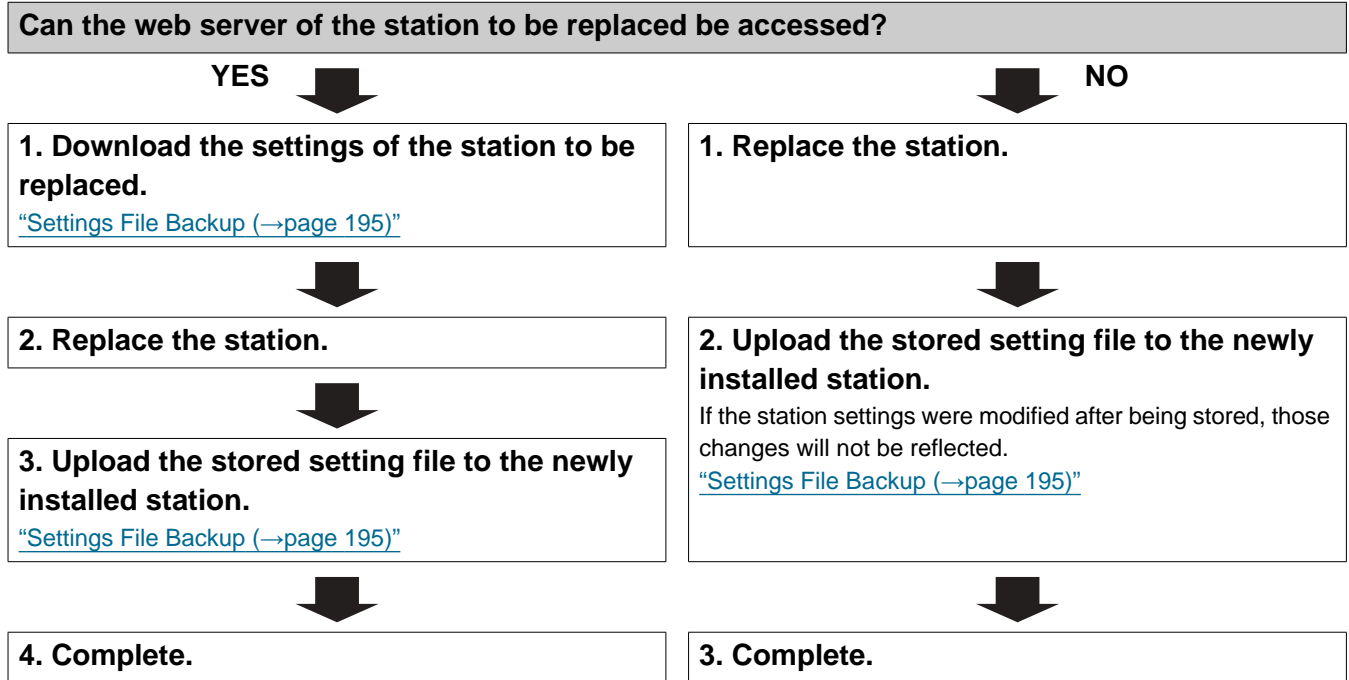
1. Delete the data of the station from all other stations and Support Tool.



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 \(→page 195\)”](#).
- 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. Verify managed DHCP environment exists and that each station has been assigned a static IP address.



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



4. Set "IP addressing method" to "IPv4 DHCP."
[“Static / DHCP \(→page 70\)”](#)
The station is restarted and the IP address assigned by the DHCP server 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 \(→page 66\)”](#).
Click **[Update]** to update the settings.





7. Configure the station.

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



8. Configure other stations in the same manner.

Refer to each station's Web Setting Manual.



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

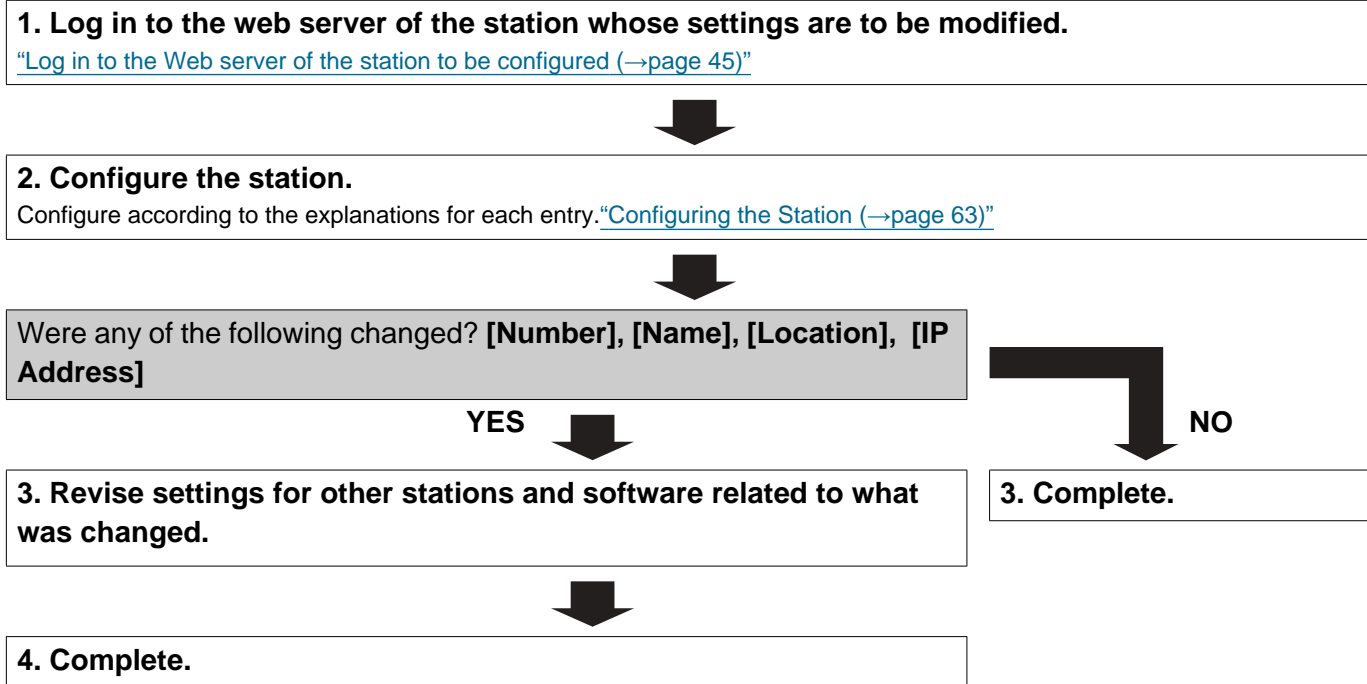
Refer to each station's Operation Manual.



10. 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.

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



2. Connect PC to the station to be added.

Connect one at a time.

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



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

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



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

["Static / DHCP \(→page 70\)"](#)

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



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

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



6. Set "[Language \(→page 66\)](#)".

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



7. Configure the station.

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



8. Add settings data to existing stations if required.



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

Refer to each station's Operation Manual.



10. 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.

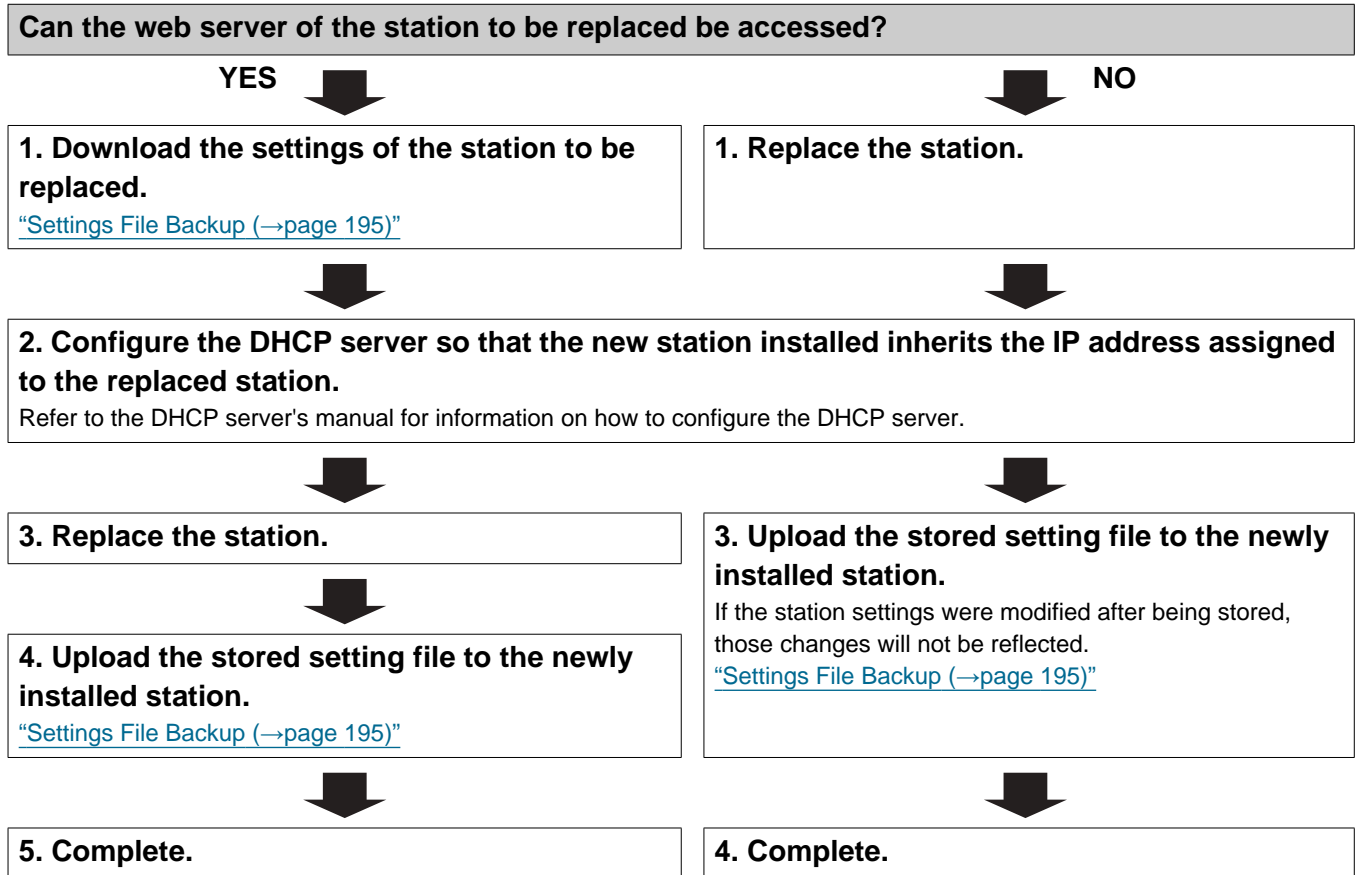
1. Delete the data of the station from all other stations and Support Tool.



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 \(→page 195\)”](#).
- 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 "IP addressing method" to "Static IPv6" and configure "IPv6 Address."

[“Static / DHCP \(→page 70\)”](#)

The station will be restarted with the assigned IPv6 Address.



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



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 \(→page 66\)”](#).

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





7. Configure the station.

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

Refer to each station's Web Setting Manual.



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

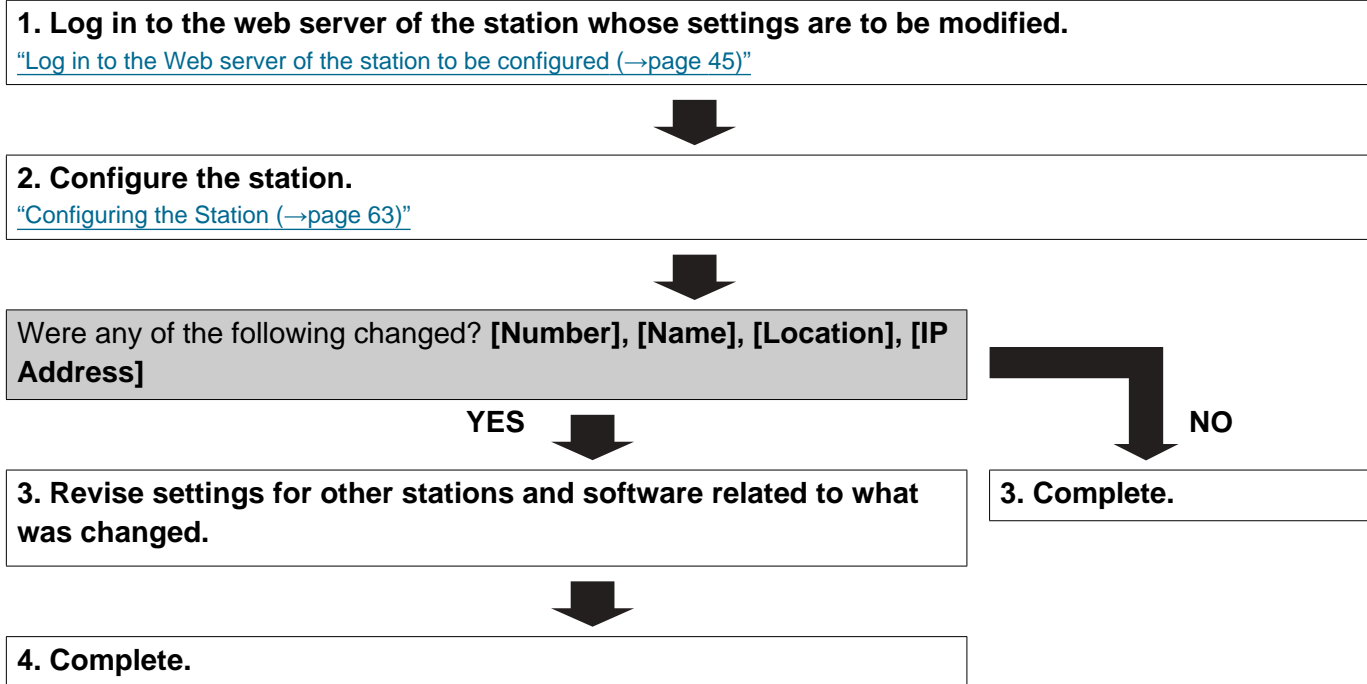
Refer to each station's Operation Manual.



9. 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 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 added.

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



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

[“Static / DHCP \(→page 70\)”](#)

The station will be restarted with the assigned IPv6 Address.



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

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



5. Set “Language (→page 66)”.

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



6. Configure the station.

[“Configuring the Station \(→page 63\)”](#)



7. Add settings data to existing stations if required.



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

Refer to each station's Operation Manual.

9. 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.

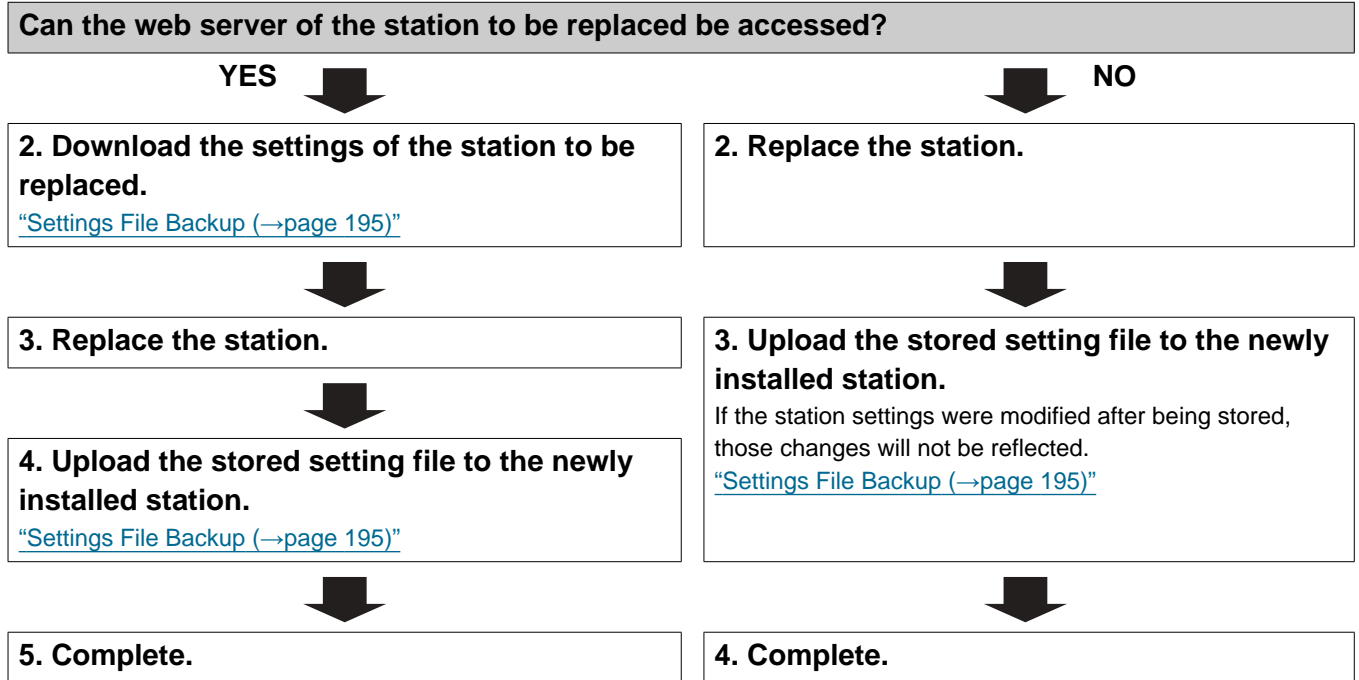
1. Delete the data of the station from all other stations and Support Tool.



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 \(→page 195\)"](#).
- 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 "IP addressing method" to "IPv6 Stateless."

["Static / DHCP \(→page 70\)"](#)

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



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



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





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

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



8. Set “Language (→page 66)”.

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



9. Configure the station.

[“Configuring the Station \(→page 63\)”](#)

Refer to each station's Web Setting Manual.



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

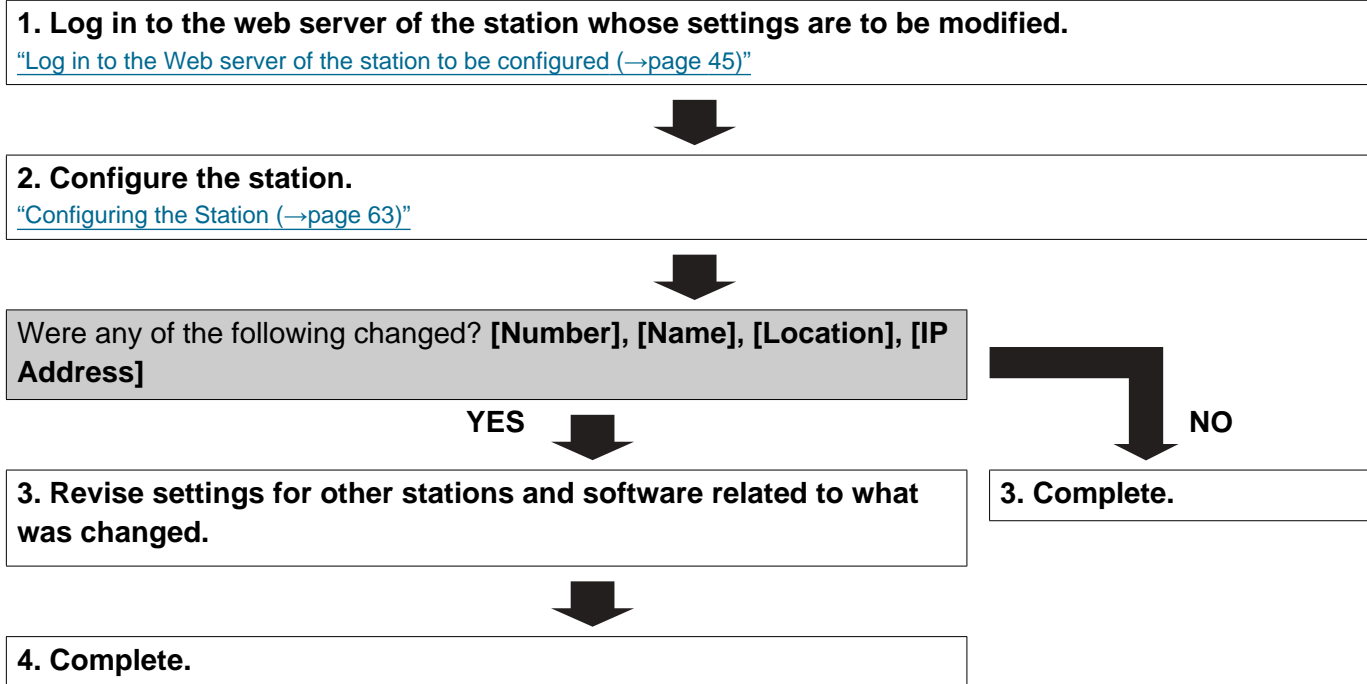
Refer to each station's Operation Manual.



11. 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 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 added.

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



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

["Static / DHCP \(→page 70\)"](#)

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



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



5. Log in to the 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 66)".

Click [Update] to update the settings.



7. Configure the station.

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



8. Add settings data to existing stations if required.





9. Set the display language of the added station (IX-MV and IX-MV7-*).
Refer to each station's Operation Manual.



10. 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.

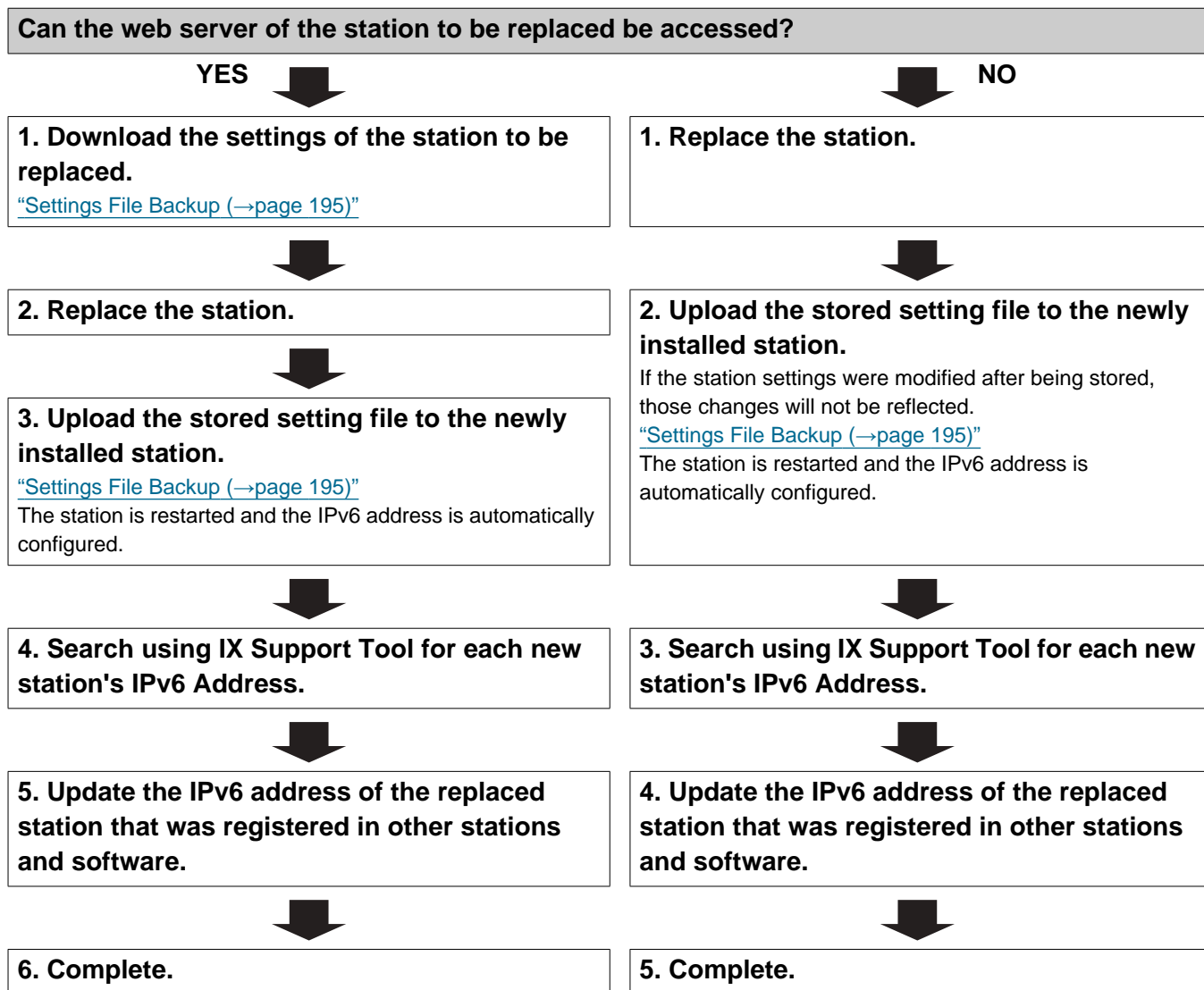


2. Complete.

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 \(→page 195\)”](#).
- 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 "IP addressing method" to "IPv6 DHCPv6."

[“Static / DHCP \(→page 70\)”](#)

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



5. Configure other stations in the same manner.



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

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





7. Set “[Language \(→page 66\)](#)”.

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



8. Configure the station.

[“Configuring the Station \(→page 63\)”](#)

Refer to each station's Web Setting Manual.



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

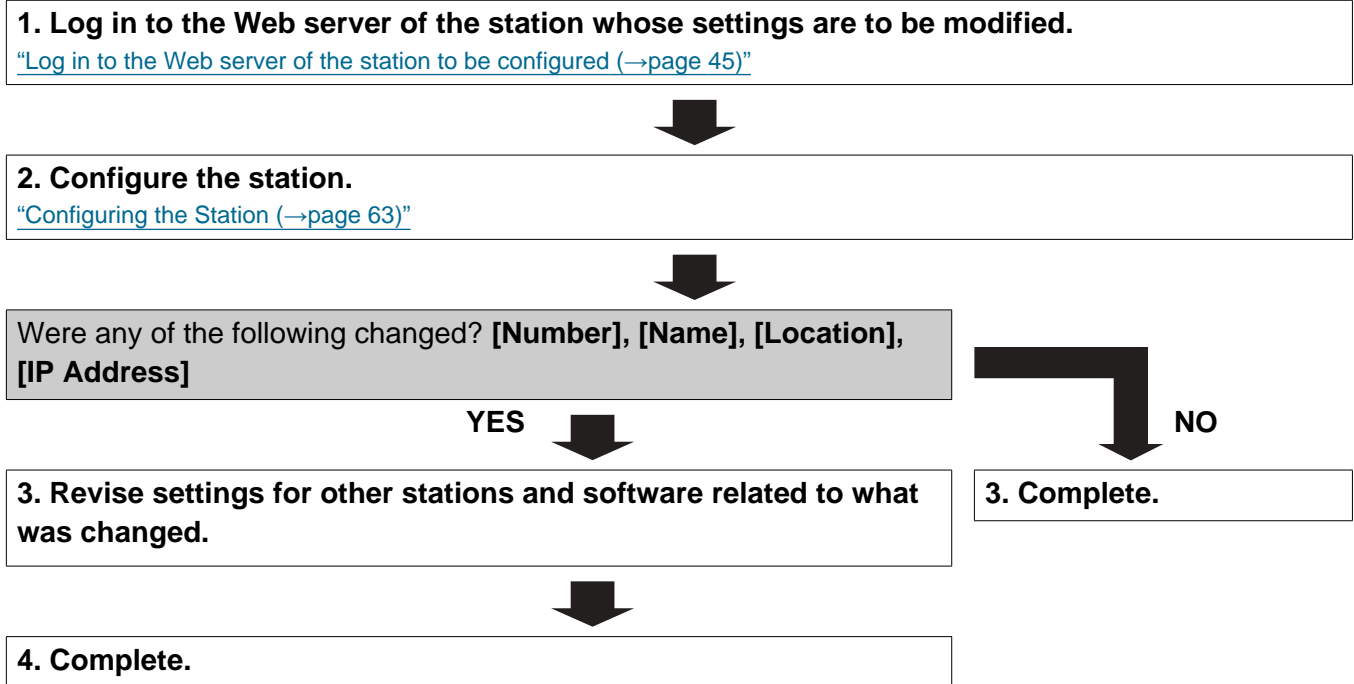
Refer to each station's Operation Manual.



10. 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 \(→page 70\)"](#)
The station is restarted and the IPv6 address assigned by the DHCP server beforehand will be assigned. If an IP address cannot be assigned, it will default to "FDC2::7000." If this happens, cycle power to the station, and then the IP address will be assigned again.



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

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



6. Set ["Language \(→page 66\)"](#).

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



7. Configure the station.

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





8. Add settings data to existing stations if required.



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

Refer to each station's Operation Manual.



10. Complete.

4.5.4 Delete a station

Use this flowchart to delete a station.

 **Important**

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

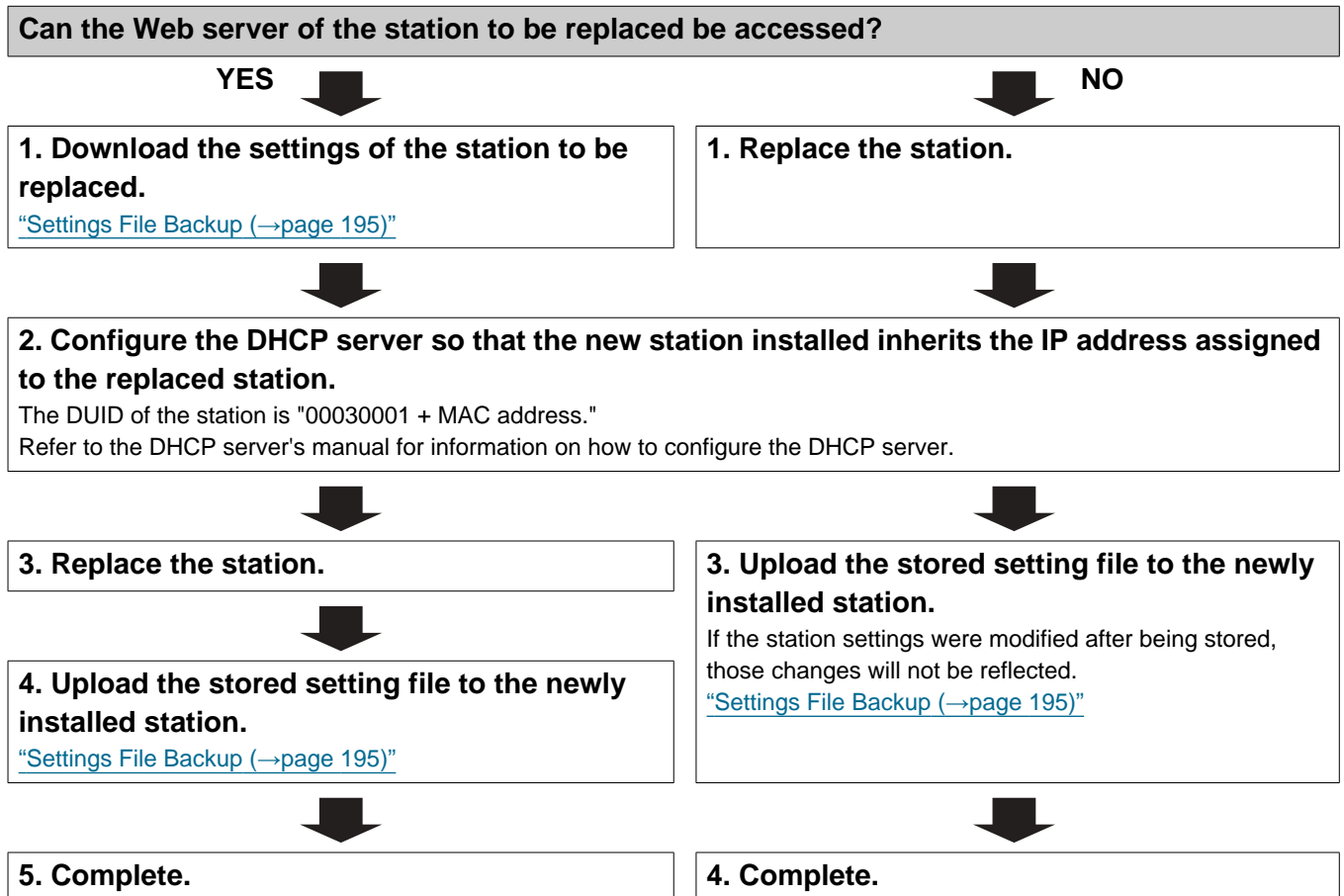
1. Delete the data of the station from all other stations and Support Tool.

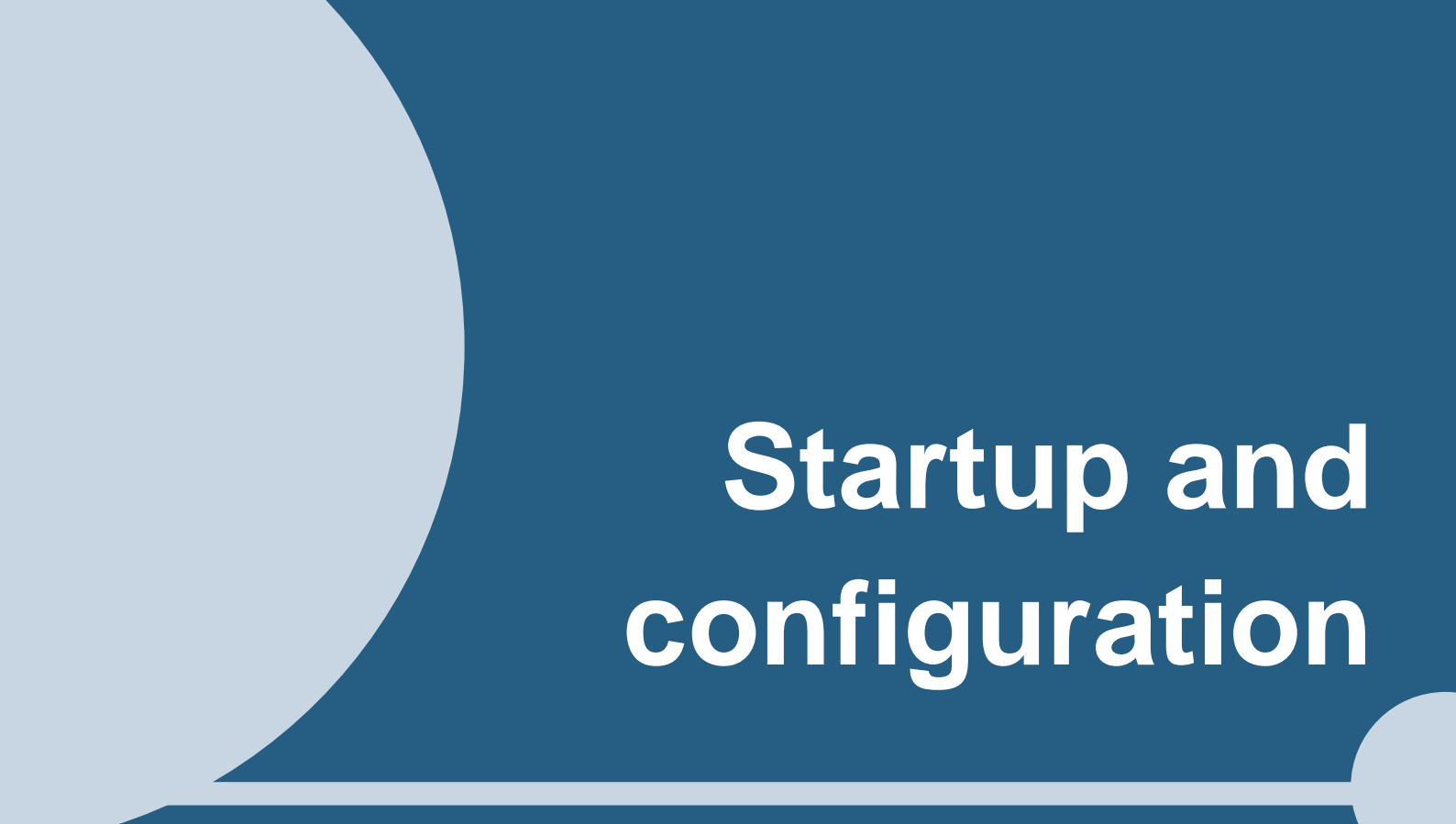


2. Complete.

4.5.5 Replace a station

Use this flowchart to replace a station.





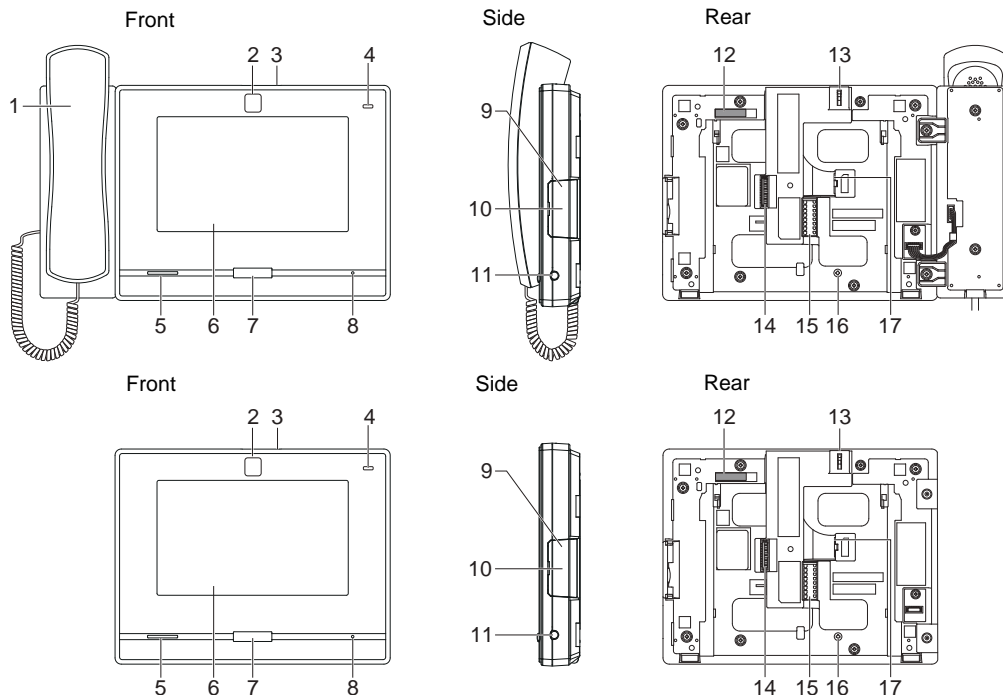
Startup and configuration

1. System requirements

PC requirements for configuration.

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

2. Part Names





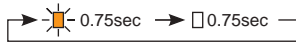





1	Handset	10	microSD card slot*1
2	Camera	11	3.5 mm 4-pole stereo mini jack (CTIA standard)
3	Camera privacy cover lever (top)	12	MAC address
4	Status indicator (orange/blue)	13	Camera angle adjustment lever
5	Speaker	14	Option connector terminal
6	Touchscreen LCD	15	Low-voltage connection terminal
7	Home button	16	Desktop-stand fastening screw hole
8	Microphone	17	LAN port
9	Reset button*1*2		

*1 Accessible when terminal cover is opened.

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

■ Indicators

: On; : Off

Name	Status (pattern)	Description
Status indicator	Orange flashing 	Booting
		Device error, Startup error
		Communication failure Line Supervision/ Device Check error
		Firmware version updating
		Initializing
Blue light		Standby (Depends on setting)



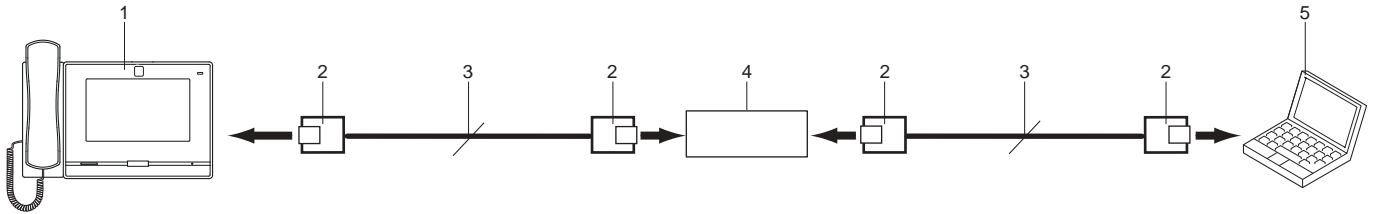
Note

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

3. Connecting to a PC

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

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



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

Note

- The display language is English by factory default.

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

1. Apply power to the station.
 - Power is supplied by a PoE compatible switch.
 - The status indicator flashes (orange) when the station is starting.
 - The status indicator will light up blue once the station has started up.
2. Start the PC and open the 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 \(→page 148\)”](#) and [“SSL Certificate \(→page 150\)”](#).

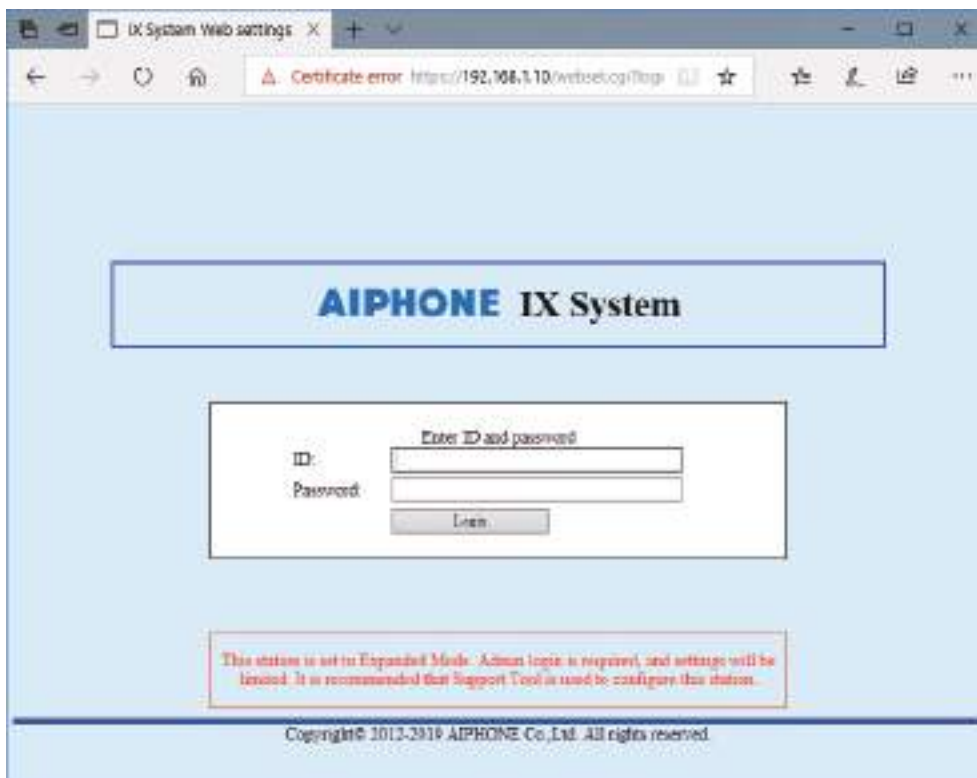
5. Select a language. The login window of the selected language will be shown.



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

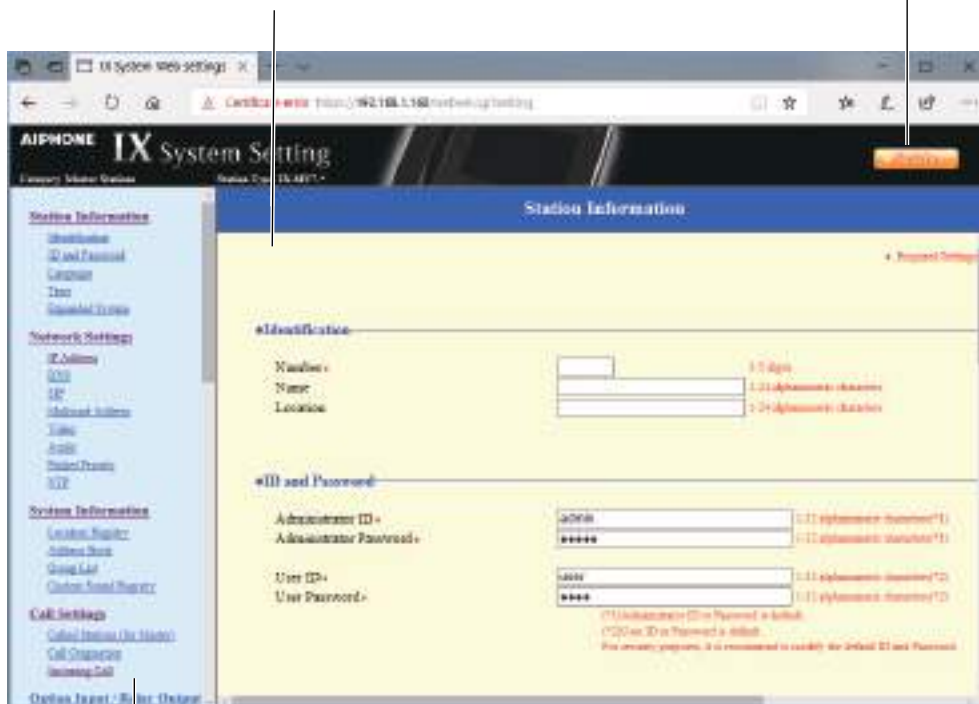
When logging into the web server of the station, the following setting window will be shown. This window will be used to configure the station.

- 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."

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 195](#)). Otherwise, it may become impossible to restore the settings after fixing a malfunction.
- Only the Maintenance Settings can be configured when the Expanded System is set to "Enable."

Access privileges

A: Administrator

U: User

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

Entry				Access privileges		Reference Page	
				A	U		
SIP	SIP Connections	-	SIP Signaling Port♦	✓		73	
			User Agent	✓		73	
	SIP Server	Primary Server	ID	✓		73	
			Password	✓		74	
			IPv4 Address	✓		74	
			IPv6 Address	✓		74	
			Port♦	✓		74	
			Secondary Server	ID	✓		74
				Password	✓		74
				IPv4 Address	✓		74
				IPv6 Address	✓		75
				Port♦	✓		75
			Tertiary Server	ID	✓		75
				Password	✓		75
				IPv4 Address	✓		75
				IPv6 Address	✓		75
				Port♦	✓		75
	Miscellaneous	-	Register Transmission Interval [sec]♦	✓		76	
DTMF digit interval timeout [sec]♦			✓		76		
Call health check timer♦			✓		76		
Multicast address	For Call / Paging	-	IPv4	✓		77	
			IPv6	✓		77	
Video	Video Encoder 1	-	RTP Start Port♦	✓		78	
			RTP End Port♦	✓		78	
	Video Encoder 2	-	RTP Start Port♦	✓		79	
			RTP End Port♦	✓		79	
	Master Station Video Setting	-	Video Streaming	✓	✓	79	
			Frame Rate [fps]	✓	✓	79	
			Select Profile	✓	✓	80	
			I-picture interval♦	✓	✓	80	
			Bit Rate [kbps] [H.264/AVC]	✓	✓	80	

Entry				Access privileges		Reference Page
				A	U	
Audio	-	-	Audio Codec	✓		81
			Audio RTP Transmission Interval [msec]	✓		82
			RTP Idle Detection Time [sec]◆	✓		82
			Audio 1 RTP Start Port◆	✓		82
			Audio 1 RTP End Port◆	✓		82
			Audio 2 RTP Start Port◆	✓		82
			Audio 2 RTP End Port◆	✓		82
	Audio Buffer	-	Packets Buffered at Audio Start	✓		83
		Maximum Packets Buffered	✓		83	
Packet Priority	-	-	TOS Value (Audio)◆	✓		84
			TOS Value (Video)◆	✓		84
			TOS Value (SIP)◆	✓		84
			VLAN Setting	✓		84
			VLAN ID◆	✓		85
			VLAN Priority	✓		85
NTP	Enable NTP	-	-	✓	✓	86
	Synchronization Interval [hour]◆	-	-	✓		86
	Primary Server	Address	IPv4	✓		86
			IPv6	✓		86
		Port◆	-	✓		87
	Secondary Server	Address	IPv4	✓		87
			IPv6	✓		87
		Port◆	-	✓		87
System Information						
Location Registry	-	-	Location Name	✓		88
Address Book	Station List♣	-	Number	✓		89
			Name	✓		89
			Location	✓		89
			Station Type	✓		90
			IPv4	✓		90
			IPv6	✓		90
			Network Camera	✓		90

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

Entry				Access privileges		Reference Page
				A	U	
Option Input/Relay Output Settings						
Option Input	Option input advanced settings	-	Name	✓		104
			Function	✓		105
			Type	✓		105
			Detection Time Range	✓		105
			API 1	✓		105
			API 2	✓		105
Relay Output	Relay output advanced settings	-	Name	✓		107
			Function	✓		107
			Option Relay Control	✓		108
			Output Time Range	✓		108
			Door Release Authorization	✓	✓	108
			Sound Settings	✓	✓	109
	Schedule Settings	-		109		
Option Relay Control Authentication Key	-	-	✓	✓	112	
Paging Settings						
Paging Origination	-	-	Paging Timeout [sec]◆	✓	✓	113
			Paging Wait Timer [sec]◆	✓	✓	113
			Urgent Page Response	✓		113
			Lock Paging	✓		113
All Page	-	-	Unicast	✓		115
Option Input Page	-	-	Destination	✓	✓	116
			Priority	✓	✓	116
			Message File Name	✓	✓	117
			Play Count [time(s)]	✓	✓	117
Function Settings						
Door Release	Door Release Assignment	-	Contact Assignment	✓	✓	118
			Authentication Key	✓	✓	118

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

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

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

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

Entry				Access privileges		Reference Page
				A	U	
		Button Function	Button 1	✓	✓	161
			Button 2	✓	✓	161
			Button 3	✓	✓	161
			Button 4	✓	✓	161
			Button Name for Group Call	✓	✓	161
			Button Name for Select By Name	✓	✓	162
			Button Name for Select By List	✓	✓	162
			Button Name for Enter Number	✓	✓	162
		Group Call Destination	-	✓	✓	162
Reject Incoming Call	-	✓	✓	162		
Transfer Settings						
Absent Transfer	Absent Transfer	-	-	✓	✓	164
	Transfer Destination List	-	-	✓	✓	164
	Re-Transfer Destination	-	-	✓	✓	165
Delay Transfer	Delay Transfer	-	-	✓	✓	166
	Delay Time [sec]◆	-	-	✓	✓	166
	Transfer Destination List	-	-	✓	✓	166
	Re-Transfer Destination	-	-	✓	✓	167
Schedule Transfer	Schedule Transfer	-	-	✓	✓	168
	Weekly Schedule	-	Transfer Destination	✓	✓	169
			Re-Transfer Destination	✓	✓	169
			Start Time	✓	✓	169
			End Time	✓	✓	170
	Daily Schedule	-	Transfer Destination	✓	✓	171
			Re-Transfer Destination	✓	✓	171
			Start Time	✓	✓	172
End Time			✓	✓	172	
Lock Transfer	-	-	Lock	✓		173
Station Settings						
Speed Dials / Favorites	Advanced speed dial button settings	Speed Dial Name	-	✓	✓	175
		Function	-	✓	✓	175
		Lock	-	✓		180
Privacy	-	-	Privacy	✓	✓	181

Entry				Access privileges		Reference Page
				A	U	
Volume / Tone	Volume	-	Handset Transmit	✓	✓	182
			Handset Receive	✓	✓	182
			Hands-free Transmit	✓	✓	182
			Hands-free Receive	✓	✓	182
			Headset Jack Transmit	✓	✓	182
			Headset Jack Receive	✓	✓	183
			VoIP Phone Volume Adjustment	✓	✓	183
			Ringtone	✓	✓	183
			Button Feedback	✓	✓	183
	Tone	-	Communication Timeout Notification	✓	✓	184
			Communication End Pretone	✓	✓	184
			Call Queue Notification	✓	✓	185
			Paging Pretone	✓	✓	185
			Auto Answer Tone	✓	✓	186
			On Hold	✓	✓	186
			Key Received	✓	✓	187
			Headset Specification	✓		187
			Audio Output (for Master)	✓		187
Communication	-	-	Talk Timeout [sec]◆	✓	✓	188
			Force Touch-to-Talk	✓	✓	188
Monitor	-	-	Monitor Timeout [sec]◆	✓	✓	189
	Scan Monitor	-	Station / Network Camera List	✓	✓	190
			Dwell Time	✓	✓	190
Master Station Display	-	-	Brightness	✓	✓	191
			Primary Video Source	✓	✓	191
			Aspect Ratio	✓	✓	191
			Standby LED State	✓	✓	191
			Keypad	✓	✓	191
Line Supervision	-	-	Line Supervision Interval	✓		192
			Line Supervision Schedule	✓		192
			Device Check Interval	✓		192
			Device Check Schedule	✓		192

Entry				Access privileges		Reference Page
				A	U	
Maintenance						
Firmware Update	-	-	-	✓		193
Initialization	-	-	Initialization	✓		194
			Initialize User Settings	✓	✓	194
Settings File Backup	-	-	Download Settings File	✓		195
			Restore Settings File	✓		196
System Log	-	-	Download	✓		197
syslog	-	-	IPv4 Address	✓		198
			IPv6 Address	✓		198
			Port♦	✓		198

Configuring the Station

Important

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

1. Station Information

1.1 Identification

•Identification

Number ♦ 3-5 digits

Name 1-24 alphanumeric characters(*1)

Location 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, page, 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, page, 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, page, 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)

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

■ Administrator ID ♦♣

Description	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

 **Note**

- "Administrator ID" and "User ID" cannot be identical.
- The "Administrator Password" and "User Password" are displayed as "••••" on the screen.

1.3 Language

Language

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

Language

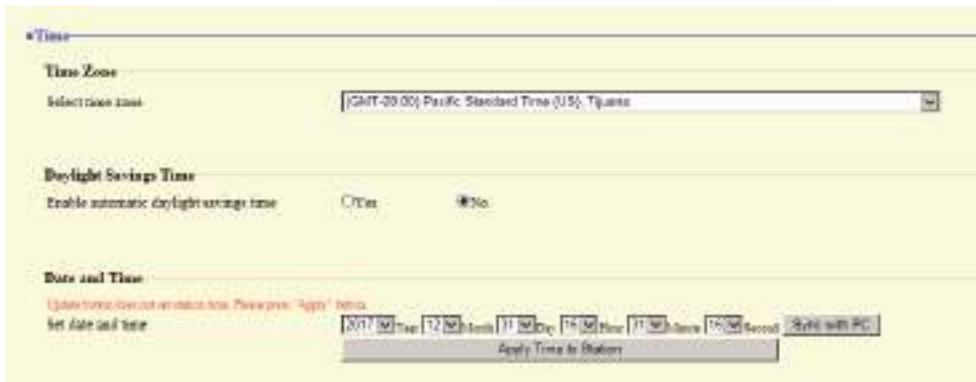
Language

Description	<p>Configure one of the languages below for the device. The device and web settings window display will not change.</p> <ul style="list-style-type: none"> Language used for various settings (including the station name) Set the email and System Log language.
Settings	<ul style="list-style-type: none"> Japanese English French Spanish Dutch Traditional Chinese Simplified Chinese
Default values	English

 **Note**

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

1.4 Time



1.4.1 Time Zone

■ Select time zone

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

Note

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

1.4.2 Daylight Savings Time

■ Enable automatic daylight savings time

Description	The daylight saving time is set automatically according by region selected in “Select time zone (→page 67)” .
Settings	<ul style="list-style-type: none"> • Yes • No
Default values	No

1.4.3 Date and Time

■ Set date and time

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

1.5 Expanded System

• Expanded System

Enable Disable

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

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"> • For IPv4: <ul style="list-style-type: none"> – Static – DHCP • For IPv6: <ul style="list-style-type: none"> – Static – Stateless – DHCPv6
Default values	IPv4 <ul style="list-style-type: none"> • Static

! Important

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

2.1.2 IPv4 Address

Important

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

■ IP Address ♦♣

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

■ Subnet Mask ♦

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

■ Default Gateway

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

2.1.3 IPv6 Address

Important

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

■ IP Address

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

■ Default Gateway

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

2.2 DNS

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

The screenshot shows a configuration window titled 'DNS'. It has two main sections: 'Primary Server' and 'Secondary Server'. Each section contains two input fields: 'IPv4' and 'IPv6'. To the right of these fields are default values. For the Primary Server, the IPv4 default is '1.0.0.1-223.255.255.254' and the IPv6 default is '::FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF'. For the Secondary Server, the IPv4 default is '1.0.0.1-223.255.255.254' and the IPv6 default is '::FF:0:FEFF: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, 90 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.

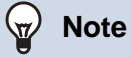
2.3.2.1 Primary Server

■ 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

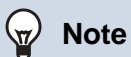
2.3.2.2 Secondary Server

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

Important

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

■ Call health check timer◆

Description	Set the timer to transmit re-INVITE while calling and monitoring.
Settings	<ul style="list-style-type: none"> • 80 - 3600 sec: Select to set between 80 - 3600 sec (by 1 sec). • Do not transmit re-INVITE: Do not detect communication errors.
Default values	90 sec

2.4 Multicast address

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

•Multicast Address

For Call / Paging

IPv4 . . . 224.0.0.0-239.255.255.255

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

2.4.1 For Call / Paging

■ IPv4

Description	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

Video

Video Encoder 1

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

RTP Start Port 1-65534

RTP End Port 1-65535

Video Encoder 2

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

RTP Start Port 1-65534

RTP End Port 1-65535

Master Station Video Setting

Video Streaming Enable Disable

Frame Rate [fps]

Select Profile

I-picture interval 1-100

Bit Rate [kbps] [H.264/AVC]

2.5.1 Video Encoder 1

Configure video settings when placing a call between stations, during communication, and when calling a VoIP Phone. Configure video settings for IX-MV7-* in ["Master Station Video Setting \(→page 79\)"](#).

Important

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

■ RTP Start Port◆

Description	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

Configure settings related to network camera video.

■ 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

2.5.3 Master Station Video Setting

Configure video settings for this station of camera.

Important

- When sending video to a 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.

■ Video Streaming

Description	Select Enable / Disable for Video Streaming of IX-MV7-*. Video cannot be distributed to 3rd party products not compatible with ONVIF or to IX-MV. The Video Codec is H.264/AVC.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Enable

■ Frame Rate [fps]

Description	Set the Frame Rate [fps].
Settings	0.5, 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, after approximately 10 minutes following the start of an outgoing call, the frame rate will automatically drop to 5 fps.
Default values	15fps

Note

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

■ Select Profile

Description	Set the profile for Video Streaming.
Settings	<ul style="list-style-type: none"> • Baseline • Main • High
Default values	Main

■ I-picture interval◆

Description	Select the interval to send I-picture for Video Streaming.
Settings	1 - 100
Default values	15

■ Bit Rate [kbps] [H.264/AVC]

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



Note

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

2.6 Audio



■ Audio Codec

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

! Important

- When changing from "G.711" to "G.722" or from "G.722" to "G.711," the station will restart. In some cases, it may take around 10 minutes to restart the station.
- Stations with different audio codecs (G.711 and G.722) selected cannot ring, call, monitor, or page each other.
- When changing "G.711" to "G.722" and "G.722" to "G.711," change the custom tones used for the following subcategories to audio files with appropriate audio sample rates. ["Custom Sound Registry \(→page 95\)"](#)
 - ["Call Origination" - "Call Button" - "Ringback Tone \(→page 97\)"](#)
 - ["Call Origination" - "Option Input 1 - 4" - "Ringback Tone \(→page 98\)"](#)
 - ["Call Origination" - "Busy Tone \(→page 100\)"](#)
 - ["Incoming Call" - "Call Button \(→page 102\)"](#)
 - ["Incoming Call" - "Option Input \(→page 103\)"](#)
 - ["Relay Output" - "Sound Settings \(→page 109\)"](#)
 - ["Option Input Page" - "Message File Name \(→page 117\)"](#)
 - ["Network Camera Integration" - "Event Tone \(→page 120\)"](#)
 - ["Chime" - "Weekly Schedule" - "Chime \(→page 145\)"](#)
 - ["Chime" - "Daily Schedule" - "Chime \(→page 147\)"](#)
 - ["Volume / Tone" - "Communication Timeout Notification \(→page 184\)"](#)
 - ["Volume / Tone" - "Communication End Pretone \(→page 184\)"](#)
 - ["Volume / Tone" - "Call Queue Notification \(→page 185\)"](#)
 - ["Volume / Tone" - "Paging Pretone \(→page 185\)"](#)
 - ["Volume / Tone" - "Auto Answer Tone \(→page 186\)"](#)
 - ["Volume / Tone" - "On Hold \(→page 186\)"](#)
 - ["Volume / Tone" - "Key Received \(→page 187\)"](#)

■ Audio RTP Transmission Interval [msec]

Description	Set the Audio RTP Transmission Interval. This setting is ignored when transmitting to multiple stations (paging, etc.)
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

2.6.1 Audio Buffer

■ Packets Buffered at Audio Start

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

■ Maximum Packets Buffered

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

2.7 Packet Priority

! Important

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

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) ◆

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"> Enable Disable
Default values	Disable

! Important

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

■ VLAN ID◆

Description	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"> • Yes • No Use
Default values	No Use

2.8.2 Synchronization Interval [hour]◆

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

2.8.3 Primary Server

2.8.3.1 Address

■ IPv4

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

■ IPv6

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

2.8.3.2 Port◆

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

2.8.4 Secondary Server

2.8.4.1 Address

■ IPv4

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

■ IPv6

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

2.8.4.2 Port◆

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

3. System Information

3.1 Location Registry



■ Location Name

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

3.2 Address Book

! Important

- Set "[Language \(→page 66\)](#)" before setting "Address Book."
- Enter the language configured in "Language." However, if the language displayed on the screen for IX-MV7-* or IX-MV is different from that set in "[Language \(→page 66\)](#)", the characters on the station screen may appear incorrectly. To avoid this, enter information in the setting data using alphabetical characters only.

3.2.1 Station List

Stations registered in the "Station List" can be called, paged, monitored, perform Line Supervision, and perform Device Check. Up to 500 stations can be registered in the "Station List."

! Important

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

#	Number	Name	Location	Station Type	IPv4	IPv6	Network Camera
1	0001	Master Station1		DC-MV7*	192.168.1.11		
2	0002	Master Station2		DC-MV7*	192.168.1.12		
3	0003	Master Station3		DC-MV7*	192.168.1.13		
4	0004	Master Station4		DC-MV7*	192.168.1.14		
5	0005	Master Station5		DC-MV	192.168.1.15		
6	0006	Master Station6		DC-MV	192.168.1.16		
7	0007	Master Station7		DC-MV	192.168.1.17		
8	0008	Master Station8		DC-MV	192.168.1.18		
9	0009	Master Station9		DC-MV	192.168.1.19		
10	0010	Master Station10		DC-MV, DC-MV7*	192.168.1.20		

■ Number

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

■ Name

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

■ Location

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

■ Station Type

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

■ IPv4

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

■ IPv6

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

■ Network Camera

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

3.2.2 Network Camera List

IX-MV7-* is compatible with the "ONVIF profile S" ONVIF interface standard.
 Video from an ONVIF compliant 3rd party network camera can be viewed on the IX-MV7-* screen.
 Register the network camera to monitor from IX-MV7-*.
 Up to 500 network cameras can be registered.
 When registering a network camera, configure ["Network Camera Integration \(→page 119\)"](#).

! Important

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



■ Camera Name

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

■ ID

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

■ Password

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

■ IPv4

Description	Set the IPv4 address for Network camera. Go to "DNS (→page 72)" to set hostname.
Settings	1.0.0.1 - 223.255.255.254 or hostname (1-64 alphanumeric characters)
Default values	—

■ IPv6

Description	Set the IPv6 address for Network camera. Go to "DNS (→page 72)" to set hostname.
Settings	::FF:0-FE:FF:FF:FF:FF:FF:FF:FF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ PTZ Operation

Description	Configure whether to allow network camera PTZ operation from this device.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Enable

■ Audio Monitoring

Description	Configure whether to allow monitoring of network camera audio from this device.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Enable



Note

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

3.3 Group List

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

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

! Important

- Always configure "Language (→page 66)" before setting "Open Master Station Group List."
- Enter using the language configured in "Language (→page 66)". If the language displayed on the screen is different from that set in "Language," the characters on the station screen may appear incorrectly. To avoid this, enter information in the setting data using alphabetical characters only.
- Only a single VoIP Phone can be registered to each group.
- All pages, groups pages, message pages, and external input pages cannot be sent to VoIP Phones.

•Group List

Group List

Group Number must be 01-99.
Group Name must be 1-24 alphanumeric characters.
Group Name may not be displayed correctly on IX-MV and IX-MV7-* due to font type.
Only one "VoIP Phone" can be set per group.
If designating "M", multicast IP addresses must be configured for the station(s).
U = Unicast, M = Multicast
If designating "M", multicast IP addresses must be configured for the station(s).

Group List01-10		Group01	Group02	Group03	Group04	Group05	Group06
Group Number							
Group Name							
Group Members							
0001 0002 Master Stations2	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video
0002 0003 Master Stations3	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video
0003 0004 Master Stations4	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video
0004 0005 Master Stations5	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video	Protocol Audio Video

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

How to register a group

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

3. Select an audio protocol and video protocol setting value for each, and register to a group.

Protocol (Audio)

- Blank: Select to not register to a group.
- U: Belongs to group. Paging audio is transmitted in unicast.
- M: Belongs to group. Paging audio is transmitted in multicast.

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

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

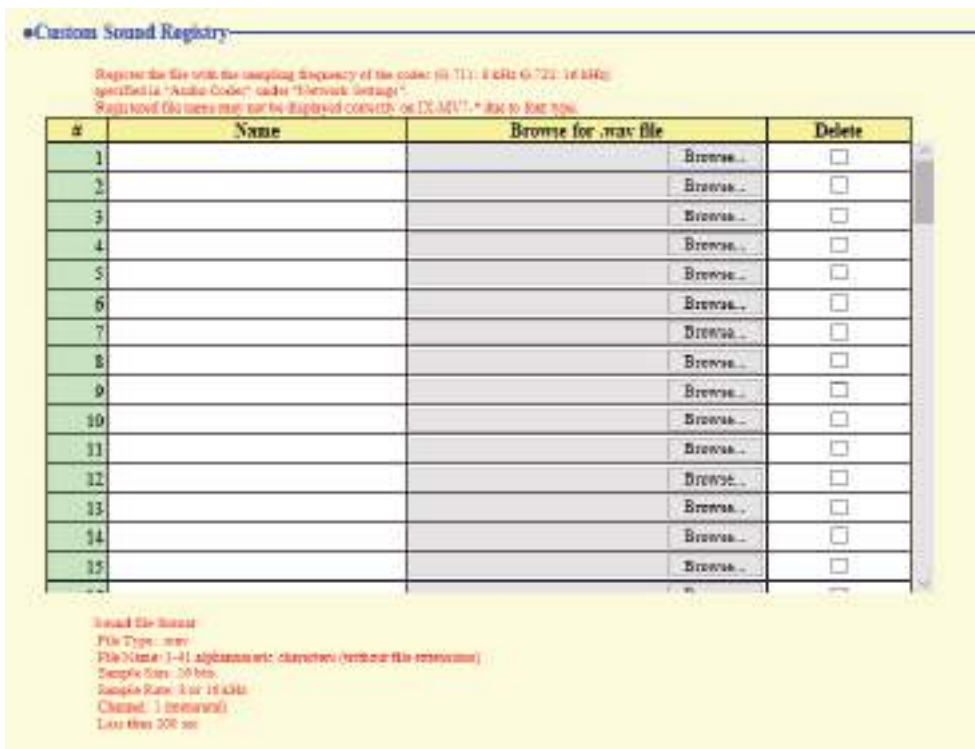
 **Important**

- Be sure to configure "[Multicast address \(→page 77\)](#)" if "M" is selected.
- "M" cannot be selected for VoIP Phones.

4. When done, click **[Update]** to update the settings.

3.4 Custom Sound Registry

Register a maximum of 100 audio files to be used for call acknowledged tones. (within 200 sec and 8 MB per file).



■ Custom Sound Registry

Description	Register the audio files to be used for ringtones, etc.
Settings	<ul style="list-style-type: none"> • Name: This is the file name of the registered file. The name will be shown as the setting value when configuring the calling tone and other settings. • File Name: 1-41 alphanumeric characters (without file extensions). Enter either a letter or number as the first character. Audio files for message paging will be searched by a letter or number when paging. • Browse for .wav file: Up to 100 files (within 200 sec and 8 Mbyte per file). • Sound file format: <ul style="list-style-type: none"> – File Type: .wav – Sample Size: 16 bits – Sample Rate: 8 or 16 kHz 8 kHz (when "Audio Codec (→page 81)" is "G.711 (μ-Law)" or "G.711 (A-Law)") 16 kHz (when "Audio Codec (→page 81)" is "G.722") – Channel 1 (monaural)
Default values	—

How to register a custom sound

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



Note

- If using a file for a ringback tone, ringtone, or network camera event notification tone, add a period of silence in the .wav file if the tone is to be intermittent.
- 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 Call Stations (for Master)

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

4.2 Call Origination

4.2.1 Call Origination Settings



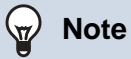
4.2.1.1 Call Button

■ Ringback Tone

Description	Select the sound to be played by the station when placing a call.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 4

■ Call Timeout◆

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



Note

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

■ Ringback Tone Count [time(s)]

Description	Set the play count of ringback tone.
Settings	<ul style="list-style-type: none"> • 1 - 20 times • Infinite: The ringback tone will continue for the amount of time configured in "Call Timeout."
Default values	Infinite

4.2.1.2 Option Input 1 - 4

■ Ringback Tone

Description	Select the sound to be played by the station when placing a call.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that registered in "Custom Sound Registry (→page 95)".
Default values	Call Pattern4

■ Call Timeout◆

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

■ Ringback Tone Count [time(s)]

Description	Set the play count of ringback tone for outgoing call.
Settings	<ul style="list-style-type: none"> • 1 - 20 times • Infinite: The ringback tone will continue for the amount of time configured in "Call Timeout."
Default values	Infinite

■ Call Destination

Description	Configure the destination group.
Settings	01 - 99
Default values	—

■ Priority

Description	Configure the call priority.
Settings	<ul style="list-style-type: none"> • Normal • Priority • Urgent
Default values	Normal

4.2.2 Tone Settings

Tone Settings

Busy Tone

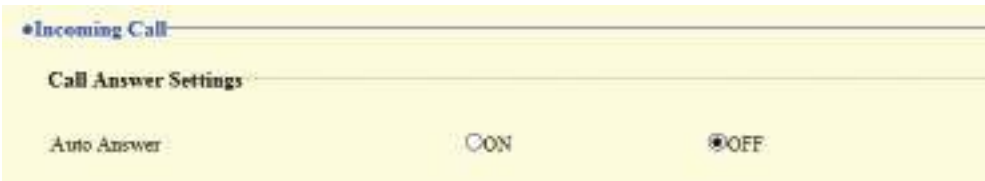
(*) Tone generated at door release destination station.

■ Busy Tone

Description	Select the sound to be played when call destination station is busy.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Busy Response Tone

4.3 Incoming Call

4.3.1 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">• OFF: No Auto Answer.• ON: Auto Answer.
Default values	OFF

4.3.2 Ringtone

Ringtone

Call Button

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

Option Input

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

Call Button Ringtone Count [time(s)]

Option Input Ringtone Count [time(s)]

■ Call Button

Description	Select the ringtone for incoming call. Ringtone can be set per each source station.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 1

■ Option Input

Description	Select the ringtone for incoming call by Option Input. The ringtone can be set per each source station.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 2

■ Call Button Ringtone Count [time(s)]

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

■ Option Input Ringtone Count [time(s)]

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

4.3.3 VoIP Phone



■ VoIP Phone Call Priority

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

5. Option Input / Relay Output Settings

5.1 Option Input



5.1.1 Option Input Advanced Settings

How to configure Option Input

1. Select the option input to be configured in "Option Input #"
 • The settings of the selected option input are displayed.
2. Configure each item.
3. 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"> • No Function • Call: Call to destination. Be sure to also configure "Option Input 1 - 4 (→page 98)". • Answer Call / Page: Answer incoming call or page. • Paging: Page to destination. Be sure to also configure "Option Input Page (→page 116)". • Message Page: Send message to destination. Be sure to also configure "Option Input Page (→page 116)". • External Input Page: Page using an external sound source. Only one input terminal may be configured. Be sure to also configure "Option Input Page (→page 116)". • Turn LCD On: Turn LCD backlight of IX-MV7-* on. • API: Send CGI command set by "API 1" and "API 2."
Default values	No Function

■ Type

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

■ Detection Time Range

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

■ API 1

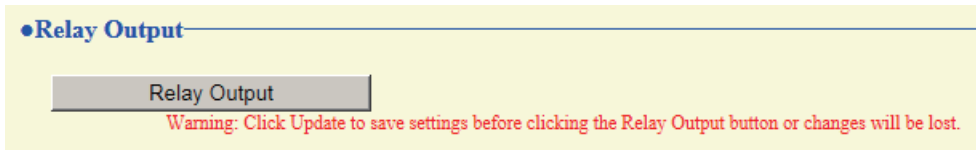
Description	Enter the CGI command to send when "API" is selected in "Function."
Settings	URL: 1-128 alphanumeric characters
Default values	—

■ API 2

Description	Enter the CGI command to send when "API" is selected in "Function."
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 output terminal. If multiple commands occur during a single relay output, the last command will take priority. Relay output may continue or stop depending on the latest command, even during relay output.

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

5.2.1 Relay Output Advanced Settings

How to configure Relay Output

1. Select the 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"> • No Function • Status Output : Relay Output during the status. The details setting can be set in "Transfer output advanced settings (→page 107)". • Door Release : Relay output when door release is activated or, entering the authentication key using keypad of the station or the VoIP Phone. Configure the output time in "Output Time Range (→page 108)".
Default values	No Function

Transfer output advanced settings

If "Function" 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"/>
Outgoing Page	<input type="checkbox"/>		<input type="checkbox"/>
Incoming Page	<input type="checkbox"/>		<input type="checkbox"/>

Note

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

■ 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. Be sure to configure "Option Relay Control Authentication Key (→page 112)" . The output time will be the output time configured in the IX-MV7-* providing control.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable

■ Output Time Range

Description	Select the Output Time Range for relay output if "Door Release" was selected in "Function (→page 107)" or if the output terminal is controlled via "CGI (→page 131)" .
Settings	<ul style="list-style-type: none"> • 200 - 2000 [msec]: Select when configuring a value from 200 to 2000 msec (by 200 msec). Enter the time in "Output Time [msec / sec]◆." • 3 - 600 [sec]: Select when setting a value from 3 to 600 sec (by 1 sec). Enter the time in "Output Time [msec / sec]◆."
Default values	400 msec

■ Door Release Authorization

Description	Set the Authentication Key when "Door Release" is selected in "Function (→page 107)" , 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 a different Authentication Key for each output terminal. (The same key cannot be used.)
- Configure an Authentication Key that is different from the Authentication Key configured in "Option Relay Control Authentication Key." If the setting is the same, multiple functions might operate.

Note

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

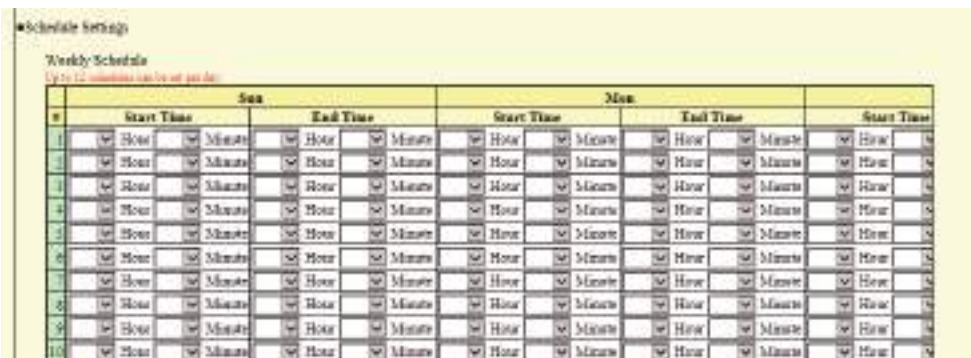
■ Sound Settings

Description	<ul style="list-style-type: none"> • Door Release: Select the Door Release sounds to be played. • Relay Control (start): Select the sound to be played when Option Relay is activated. • Relay Control (end): Select the sound to be played when Option Relay is deactivated.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Door Release: Operation Sound Relay Control (start): None Relay Control (end): None

5.2.1.1 Schedule Settings

How to configure the Weekly Schedule

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



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

■ Start Time

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

■ End Time

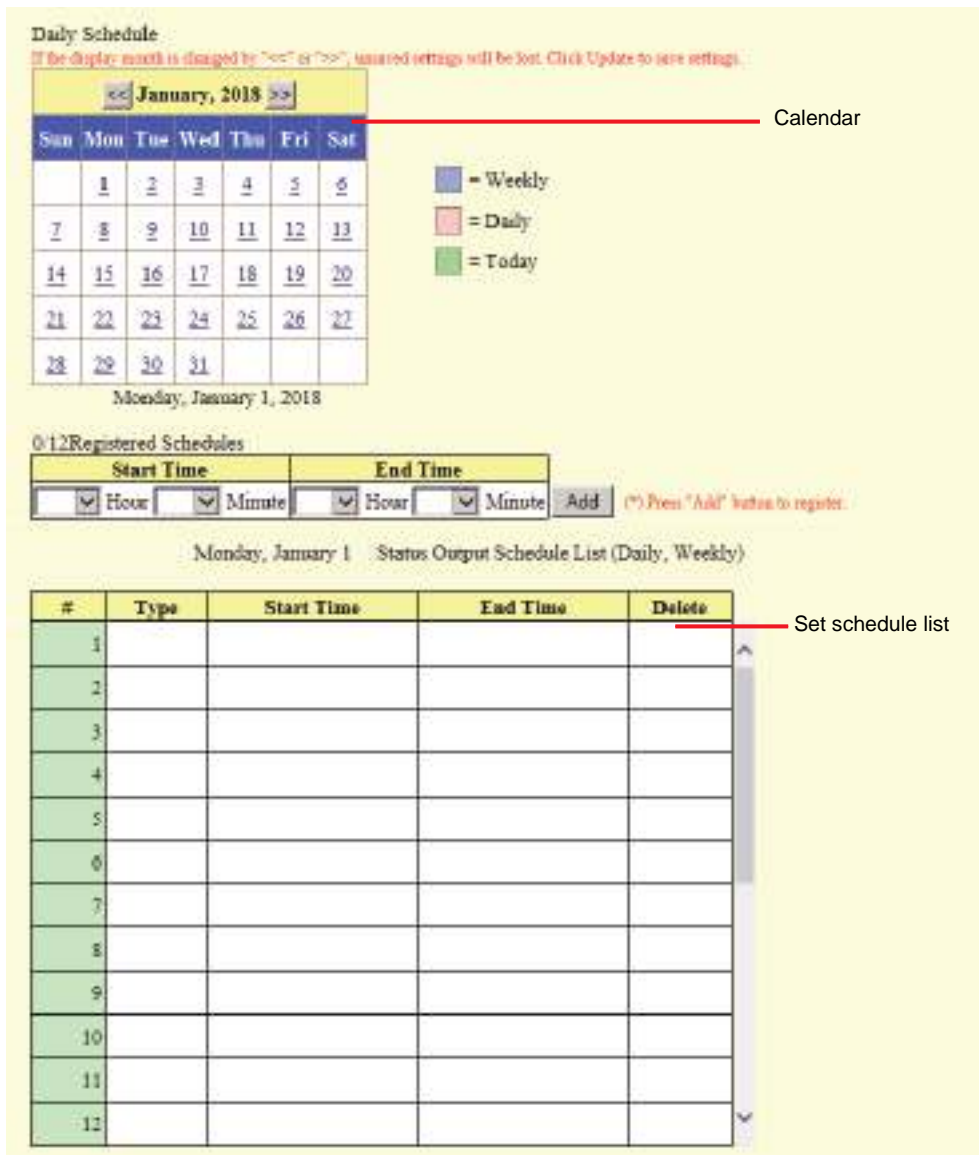
Description	Set the time to end the relay output. If set earlier than " Start Time (→page 109) ", the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	-

How to delete the Weekly Schedule

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

How to configure Daily Schedule

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



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

■ Start Time

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

■ End Time

Description	Set the time to end the relay output. If set earlier than "Start Time (→page 111)" , 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 \(→page 110\)"](#) to delete weekly schedules.

5.2.2 Option Relay Control Authentication Key

Option Relay Control Authentication Key: 1-20 digits

Description	If "Option Relay Control (→page 108)" is set to "Enable" and "Speed Dials / Favorites" - "TLS" is set to "Enable" 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**

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

6. Paging Settings

! Important

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

6.1 Paging Origination

•Paging Origination

Paging Timeout [sec] ♦	<input type="text" value="30"/>	10-600sec
Paging Wait Timer [sec] ♦	<input type="text" value="10"/>	1-20sec
Urgent Page Response	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Lock Paging	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable

■ Paging Timeout [sec] ♦

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

■ Paging Wait Timer [sec] ♦

Description	Set the time to wait for a response from all destination stations when outgoing paging is activated. Paging starts after this time without a response from all destinations.
Settings	1 - 20 sec (by 1 sec)
Default values	10 sec

■ Urgent Page Response

Description	Select Enable / Disable for the paging destination station can answer the urgent page.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable

! Important

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

■ Lock Paging

Description	Select Enable / Disable to lock paging function.
Settings	<ul style="list-style-type: none"> • Enable: Page button will be hidden. • Disable
Default values	Disable



Note

- Configure the pretone when a page is received in "Volume / Tone" - ["Paging Pretone \(→page 185\)"](#).

6.2 All Page

! Important

- Unicast can reach up to 50 stations. If you need to page more than 50 stations are to be paged at once, use multicast.
- When paging stations in multicast, be sure to configure "[Multicast address \(→page 77\)](#)".

• All Page

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

Station List	Unicast
0001 004 Video Door Station4	<input type="checkbox"/>
0002 001 Master Station1	<input type="checkbox"/>
0003 008 Audio Door Station8	<input type="checkbox"/>
0004 020 Master Station20	<input type="checkbox"/>

■ Unicast

Description	Select this to page the stations in unicast. Unicast can reach up to 50 stations.
Settings	<ul style="list-style-type: none"> • Unchecked: Multicast transmission • Checked: Unicast transmission
Default values	Unchecked: Multicast transmission

6.3 Option Input Page

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

•Option Input Page

To configure an Option Input Page, "Page", "Message Page", or "External Input Page" must be selected in Option Input settings.

Option Input # Option Input 1

•Destination All Page Group 01-99

•Priority Normal Urgent

•Message File Name None

•Ringback Tone Count 1

How to configure Option Input Page

1. Select the Option Input to set for "Option Input #." This cannot be selected if "Paging Settings," "Message Page," or "External Input Page" is not set for Option Input.
 - The settings of the selected Option Input will be shown.
2. Configure each item.
3. Click **[Update]**.

■ Destination

Description	Set the destination group for paging.
Settings	<ul style="list-style-type: none"> • All Page • Group: 01 - 99
Default values	All Page

■ Priority

Description	Set the priority for paging.
Settings	<ul style="list-style-type: none"> • Normal • Urgent
Default values	Normal

■ Message File Name

Description	Select the message to be sent for message paging. Available when "Message Page" is selected in "Option Input" - "Function (→page 105)" .
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Play Count [time(s)]

Description	Set the play count for message paging.
Settings	1 - 20 times
Default values	1 time

7. Function Settings

7.1 Door Release

7.1.1 Door Release Assignment

Door Release

Door Release Assignment

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

■ Contact Assignment

Description	Select which relay output will be used for door release during call or monitoring.
Settings	<ul style="list-style-type: none"> • Originating Station: Use origination station relay output for door release. • Destination Station: Use destination station relay output for door release.
Default values	Destination Station

■ Authentication Key

Description	When "Destination Station" is selected in "Contact Assignment", set the Authentication Key for door release. Authentication Key must match with the destination station's authentication key to allow door release.
Settings	1 - 20 digits
Default values	—

Note

- "Authentication Key" are displayed as "•••••" on the screen.
- Configure the Authentication Key using 1 to 4 digits, when using the IX-MV.

7.2 Network Camera Integration

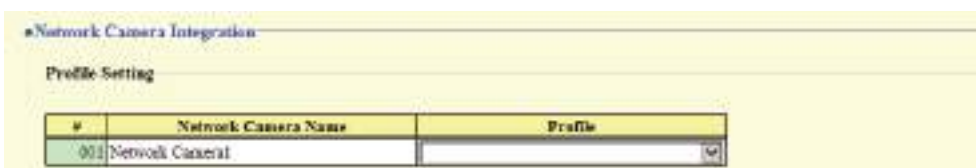
Configure network camera profile and topic (event) related settings.

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

! Important

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

7.2.1 Profile Setting

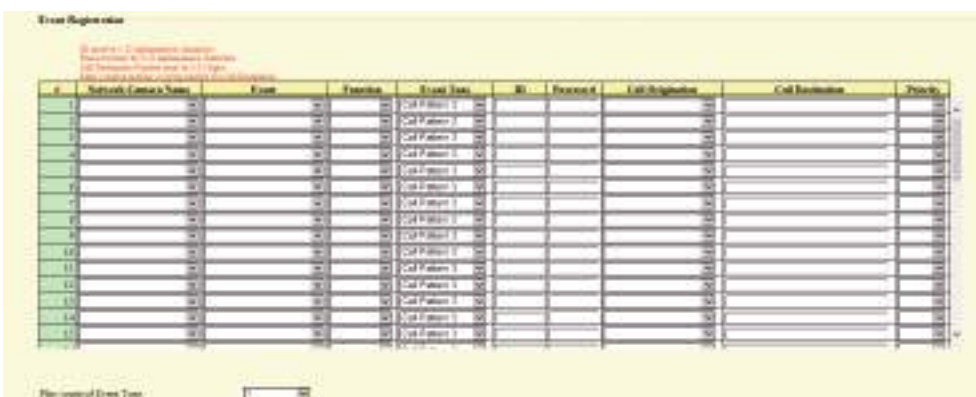


■ Profile

Description	Select the profile of the network camera. Refer to the manual of the network camera for the details.
Settings	—
Default values	—

7.2.2 Event Registration

Register the network camera event. When the registered event is received, network camera monitoring will be performed and the notification tone will be played, or the outgoing call command will be sent to the destination station.



■ Network Camera Name

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

■ Event

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

■ Function

Description	Select the function when receive the topic from the network camera.
Settings	<ul style="list-style-type: none"> • Monitor: Begin network camera monitoring. • Call: An outgoing call is placed from the station set in “Call Origination (→page 121)”. Configure “Call Origination (→page 121)”, “Call Destination (→page 121)”, and “Priority (→page 121)”.
Default values	-

■ Event Tone


Description	Select the tone to be played when receiving event from the network camera. This can be configured for each event.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Call Pattern 3

■ ID

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

■ Password

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

 **Note**

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

■ **Call Origination**

Description	If "Call" is set in " Function (→page 120) ", configure from which station to make the outgoing call. The selected station must be set "Yes" in "CGI Functionality."
Settings	Select from the stations registered in " Station List♣ (→page 89) ". IXW-MA cannot be selected.
Default values	—

■ **Call Destination**

Description	Configure the destination station number or group number when the station configured in " Call Origination (→page 121) " makes an outgoing call.
Settings	Station Number: 2-32 digits Group Number: 01 to 99
Default values	—

■ **Priority**

Description	Select the call priority when the station configured in " Call Origination (→page 121) " makes an outgoing call.
Settings	<ul style="list-style-type: none"> • Normal • Priority • Urgent
Default values	—

7.2.2.1 Play count of Event Tone

Description	Set the play count for Network Camera Event Tone when " Function (→page 120) " is set to "Monitor." The ringtone count will be the same for all network cameras and events registered to the station. If "Call" is set, the ringtone count for the event notification tone will be one time only.
Settings	<ul style="list-style-type: none"> • 1 - 20 times • Infinite: Continues to sound while the event generated by the network camera is received.
Default values	1 time

7.3 Email

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



7.3.1 Server Settings

■ SMTP Server

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

■ SMTP Port◆

Description	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"> • OFF • TLS • STARTTLS
Default values	OFF

7.3.2 Authentication Settings

■ SMTP Authentication

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

■ Mode

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

■ ID

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

■ Password

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



Note

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

7.3.3 Email Addresses

■ Destination 1

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

■ Destination 2

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

■ Destination 3

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

■ Source Address

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

7.3.4 Email Event Trigger

Set the email event trigger which initiates the message sending process. Configure the email event trigger for each destination 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"/>
Door Release Activated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Call Failed	<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"/>
Line Supervision (Passed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line Supervision (Failed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device Check (Passed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device Check (Failed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

■ Outgoing Normal Call

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

■ Incoming Normal Call

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

■ Outgoing Priority Call

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

■ Incoming Priority Call

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

■ Outgoing Urgent Call

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

■ Incoming Urgent Call

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

■ Door Release Activated

Description	Send email when Door Release is activated.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Call Failed

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

■ Error

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

■ Station Restarted

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

■ SD Card Error

Description	Send email when a microSD access error is detected. If the error is detected continuously, mail will not be sent an additional time.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
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"> • When "Prevent Overwrite (→page 143)" is set to "ON" <ul style="list-style-type: none"> – Recorded recordings exceeds 950 – Storage capacity remaining 5% • When "Prevent Overwrite (→page 143)" is set to "OFF" <ul style="list-style-type: none"> – Recorded recordings exceeds 999 – Storage capacity remaining 0%
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Line Supervision (Passed)

Description	Send email when Line Supervision is "Passed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Line Supervision (Failed)

Description	Send email when Line Supervision is "Failed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Device Check (Passed)

Description	Send email when Device Check is "Passed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Device Check (Failed)

Description	Send email when Device Check is "Failed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

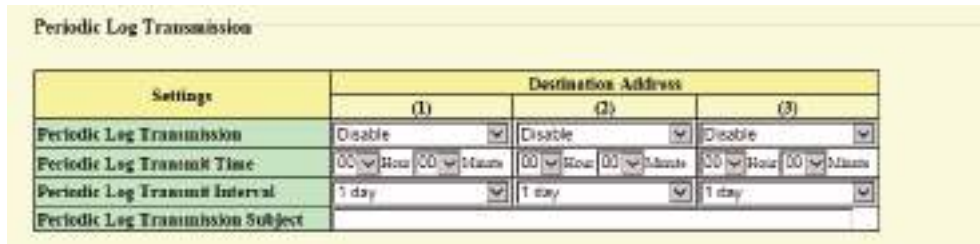
■ Subject

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

 **Important**

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

7.3.5 Periodic Log Transmission



■ Periodic Log Transmission

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

■ Periodic Log Transmit Time

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

■ Periodic Log Transmit Interval

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

■ Periodic Log Transmission Subject

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

Important

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

7.3.6 Send Test Email

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



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: 001, Station Name: Master Station 1, Location: Office).

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

! 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."

7.4 CGI

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

7.4.1 CGI Functionality

•CGI

CGI Functionality Enable Disable

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

Important

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

7.5 SIF

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



7.5.1 SIF Functionality


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

7.5.2 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"> • Enable • Disable
Default values	Disable

7.5.3 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 \(sif.ini\) \(→page 141\)”](#). The latest setting will take priority.

■ Program Type

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

■ IPv4

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

■ IPv6

Description	Set the SIF IPv6 destination address. Go to "DNS (→page 72)" to set Hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1-64 alphanumeric characters)
Default values	—

■ Destination Port

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

■ SSL

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

■ Connection

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

7.5.4 Transmission Trigger

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

Event	Transmission															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Begin Outgoing Call	<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"/>
Door Release Indication	<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"/>
Call over	<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	<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	<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 Transfer	<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 Transfer	<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"/>
Set/Reset Mute	<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"/>
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 Transfer 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 On Hold	<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 On Hold	<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"/>
Paging 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 Monitoring	<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 Monitoring	<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"/>
Monitoring 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 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 Privacy	<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 Privacy	<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"/>
Keypad Input	<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"/>
Speed Dial Input	<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"/>
Passed Line Supervision	<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"/>
Failed Line Supervision	<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"/>
Passed Device Check	<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"/>
Failed Device Check	<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"/>
Network Camera Event	<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"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Communication (Source)

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

■ Door Release Indication

Description	Send SIF command when door release request is sent.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ End Communication

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

■ Change contact

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

■ Unit error

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

■ Begin broadcast

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

■ End broadcast

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

■ Begin Transfer

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

■ End Transfer

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

■ Periodical Transmission

Description	Periodically send the station status using SIF command. The interval is set in “Periodical Transmission Interval (→page 141)” .
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Initialization Notice

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

■ End Outgoing Call

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

■ Begin Incoming Call

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

■ End Incoming Call

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

■ Change Call Destination

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

■ Call Failure

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

■ Begin Incoming Transfer Call

Description	Send SIF command when beginning Absent Transfer, Delay Transfer or Schedule Transfer.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin On Hold

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

■ End On Hold

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

■ Begin Incoming Page

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

■ End Incoming Page

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

■ Paging Failure

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

■ Begin Monitoring

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

■ End Monitoring

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

■ Monitoring Failure

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

■ Begin Communication (Destination)

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

■ Begin Privacy

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

■ End Privacy

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

■ Keypad Input

Description	Send SIF command when entering number using a keypad.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Speed Dial Input

Description	Send SIF command when pressing a speed dial button.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Begin Record

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

■ End Record

Description	Send SIF command when recording ends.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
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"> • When "Prevent Overwrite (→page 143)" is set to "Enable" <ul style="list-style-type: none"> – Recorded recordings exceeds 950 – Storage capacity remaining 5% • When "Prevent Overwrite (→page 143)" is set to "Disable" <ul style="list-style-type: none"> – Recorded recordings exceeds 999 – Storage capacity remaining 0%
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Passed Line Supervision

Description	Send SIF command when the result of Line Supervision is "Passed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Failed Line Supervision

Description	Send SIF command when the result of Line Supervision is "Failed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Passed Device Check

Description	Send SIF command when the result of Device Check is "Passed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ Failed Device Check

Description	Send SIF command when the result of Device Check is "Failed".
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

■ SD Card Error

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

■ SIP Registration Failure

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

■ Network Camera Event

Description	Send SIF command when receiving event from the network camera.
Settings	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send
Default values	Unchecked: Do not send

7.5.5 Periodical Transmission Interval



■ Periodical Transmission Interval◆

Description	Set the interval to send the station status periodically using SIF command in "Periodical Transmission" "Periodical Transmission (→page 136)" .
Settings	<ul style="list-style-type: none"> • 0 (Do not send) - 1440 (min) • 1 - 59 (sec): Enter 10001 - 10059 when setting 1 - 59 sec.
Default values	0 (do not send)

7.5.6 SIF File Management



■ SIF Communication Settings (sif.ini)

Description	Upload or download the content in "SIF Settings (→page 132)" with "sif.ini." <ul style="list-style-type: none"> • Upload: Click [Browse], select a file, and then click [Upload]. • Download: Click [Download] to save the file.
Settings	—
Default values	—

■ SIF Parameter Settings (sif_conf.ini)

Description	Use "sif_conf.ini" to upload or download SIF details if "Program Type (→page 133)" is set to "0000," "0001," or "0011." <ul style="list-style-type: none"> • Upload: Click [Browse], select a file, and then click [Upload]. • Download: Click [Download] to save the file.
Settings	—
Default values	—

7.6 Record

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

Standard	Storage Capacity	Format	Speed class
microSDHC memory cards	4 GB to 32 GB	FAT32	SD speed class 10
microSDXC memory cards	64 GB to 128 GB	exFAT	SD speed class 10 UHS speed class 1

•Record

Record Event Incoming Call Communication Monitor

Recorded Device IX Station Network Camera

Prevent Overwrite Enable Disable

Video Recording File Length

Event Recording Timer

Manual Recording Enable Disable

Audio Recording Enable Disable

! Important

- A microSD card is not included with this station. One will need to be purchased separately.
- 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.
- Depending on the size of the image, recording with the network camera may not be possible.

■ Record Event

Description	Configure the trigger in use to start recording video/audio automatically.
Settings	Select multiple from the following. <ul style="list-style-type: none"> • Incoming Call: Video Recording starts when station receives an incoming call. If a call is automatically answered, recording will start when communication starts. • Communication: Recording starts when communication begins. • Monitor: Recording starts when monitoring begins. Recording is not possible during Scan Monitor.
Default values	Not selected

💡 Note

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

■ Recorded Device

Description	Set the Recorded Device when IX-MV7-* is displaying video from an IX Station and a Network Camera simultaneously.
Settings	<ul style="list-style-type: none"> • IX Station: Record IX station video. • Network Camera: Record network camera video.
Default values	IX Station

■ 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"> • Enable • Disable
Default values	Disable

■ Video Recording File Length

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



Note

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

■ Event Recording Timer

Description	Set the recording duration when the event trigger has occurred.
Settings	<ul style="list-style-type: none"> • Disable: Does not stop until the operating status ends or the record button is tapped. • 5 sec • 10 sec • 30 sec
Default values	Disable

■ Manual Recording

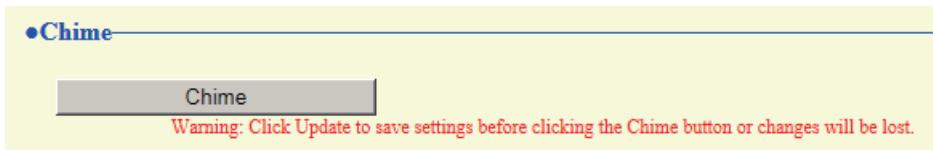
Description	Select Enable / Disable for manual recording.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Enable

■ Audio Recording

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

7.7 Chime

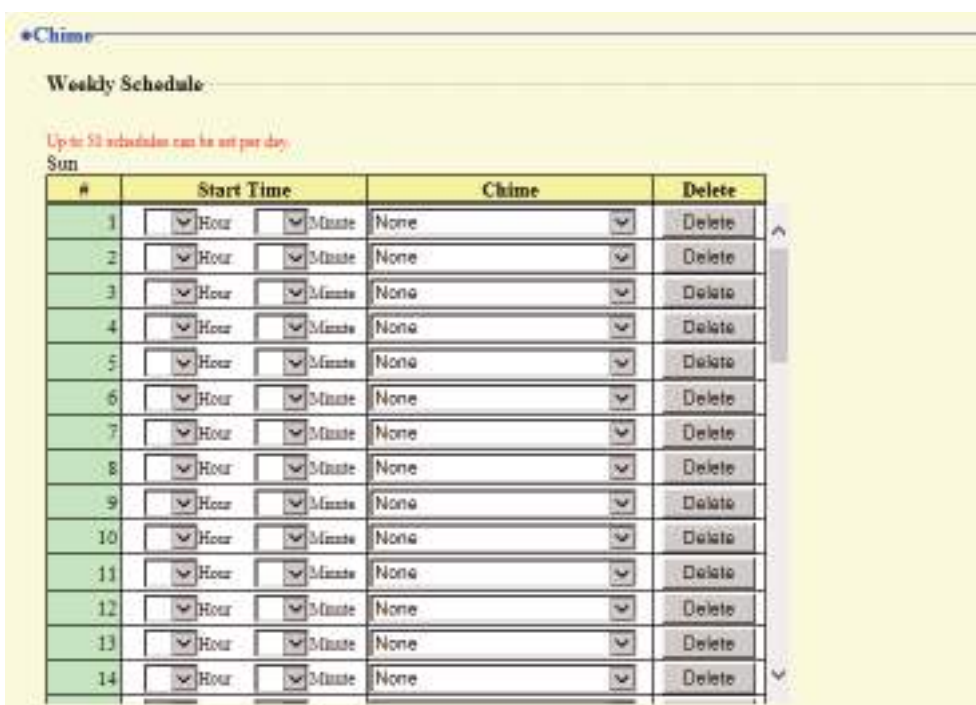
Configure the chime tone to be played from this station linked with the set schedule. Click **[Chime]**.



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

7.7.1 Weekly Schedule

Configure the start time and chime tone to play for each day of the week, from Sunday to 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"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	None

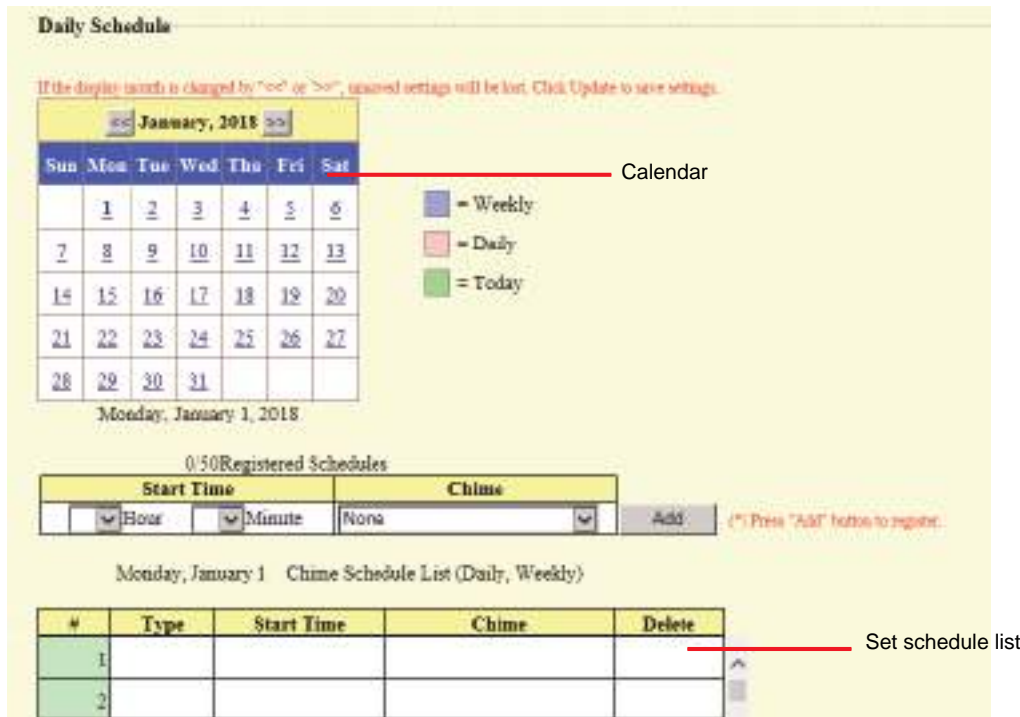
How to delete the Weekly Schedule

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

7.7.2 Daily Schedule

Configure the chime tone start time and the chime tone, in units of one day.

A schedule one year from the set day can be configured. 50 schedules can be set for each day.



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"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
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 \(→page 145\)”](#) to delete a weekly schedule.

7.8 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

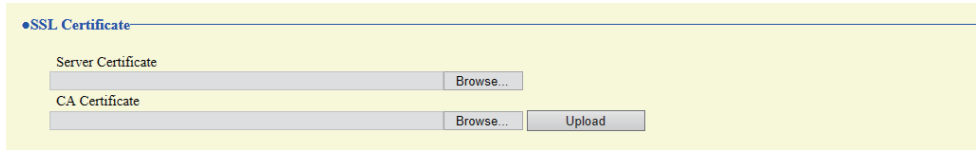
Description	Set the division name.
Settings	1-64 alphanumeric characters
Default values	-

Common Name

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

7.9 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.

7.10 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"> • Enable • Disable
Default values	Disable

■ EAP

Description	Select the EAP method for IEEE802.1X authentication when " IEEE 802.1X (→page 151) " is set to "Enable".
Settings	<ul style="list-style-type: none"> • TLS • PEAP
Default values	TLS

■ EAP User Name

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

■ EAP Password

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

Note

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

■ Certificate Authority

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

■ Client Certificate

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

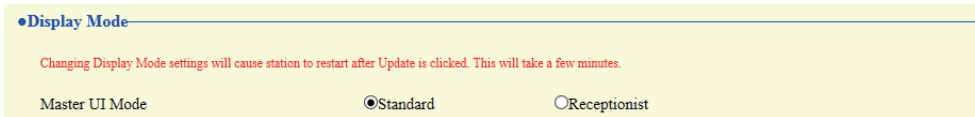
■ Client Private Key

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

7.11 Display Mode

Configure Master UI Mode, for both Standard and Receptionist modes.

7.11.1 Master UI Mode



Important

- When the "Master UI Mode" setting is applied to the station it will restart. This may take approx. 10 minutes and the station cannot be used until it has finished restarting.



Description	Set the User Interface Mode.
Settings	<ul style="list-style-type: none"> • Standard: All functions can be used. • Receptionist: Only outgoing call can be used. Refer to "Receptionist Mode (→page 155)" for detail settings.
Default values	Standard

7.11.2 Standard Mode

Standard Mode

Home Screen Option 1 Option 2

■ Home Screen

Description	Select the layout of top image when "Master UI Mode (→page 153)" is set to "Standard."
Settings	<ul style="list-style-type: none"> • Top screen 1:  <ul style="list-style-type: none"> • Top screen 2: 
Default values	Option 1

7.11.3 Receptionist Mode



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

! Important




- During receptionist mode, operations are limited.
 - Calling can only be done in the method configured in ["Button Function \(→page 161\)"](#).
 - Auto Answer is enabled even if ["Auto Answer \(→page 101\)"](#) was set to "OFF." However, the call will not be received if ["Reject Incoming Call \(→page 162\)"](#) was set to "Enable."
 - For "Contact Input" - ["Function \(→page 105\)"](#), only "CALL" and "Turn LCD On" are valid.
 - Functions that can be set in ["Relay Output \(→page 106\)"](#).



7.11.3.1 Color Scheme

Description	Select the Color Scheme of Receptionist Mode.
Settings	<p>Example where "Screen Layout (→page 157)" is set to "Layout 1"</p> <ul style="list-style-type: none">• Light:  <ul style="list-style-type: none">• Dark: 
Default values	Light

7.11.3.2 Screen Layout

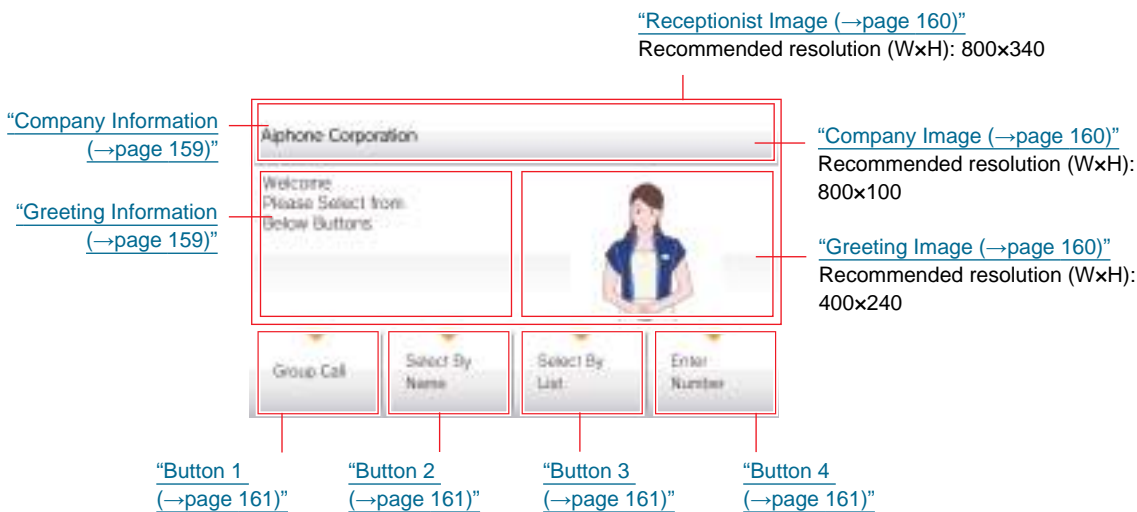
Description	Select the Screen Layout of top image for Receptionist Mode.
Settings	<p>Example where "Light" was set in "Color Scheme (→page 156)"</p> <ul style="list-style-type: none"> Layout 1:  <ul style="list-style-type: none"> Layout 2:  <ul style="list-style-type: none"> Layout 3: 
Default values	Layout 1

Customizing each screen layout

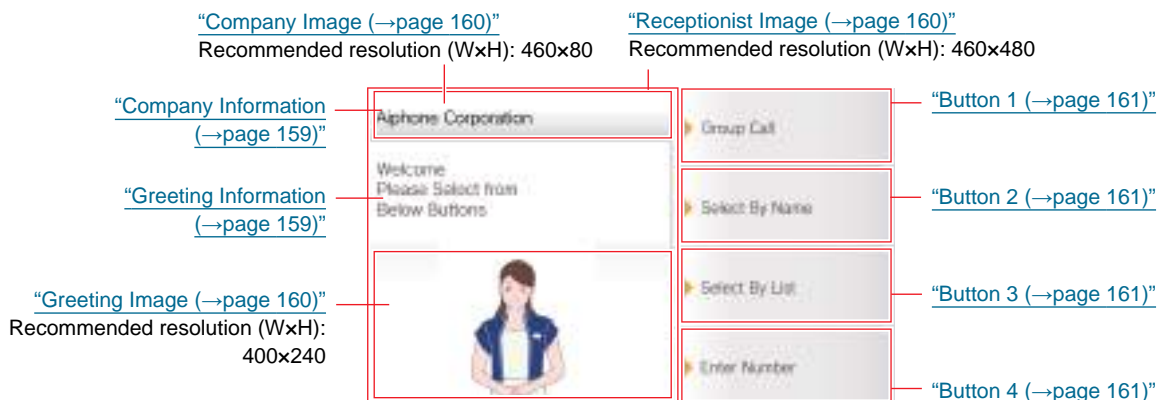
The layout of each screen's characters, images, and button displays can be customized.

The following spaces are customized by configuring [“Company Information \(→page 159\)”](#), [“Greeting Information \(→page 159\)”](#), [“Images \(→page 160\)”](#), and [“Button Function \(→page 161\)”](#).

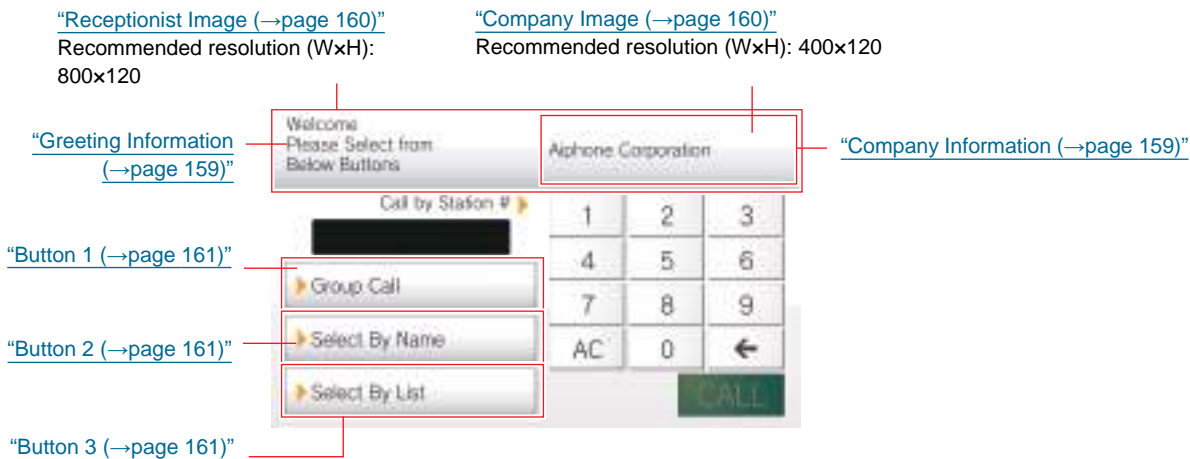
Layout 1



Layout 2



Layout 3



7.11.3.3 Company Information

■ Name

Description	Enter the Company Information.
Settings	0 - 40 alphanumeric characters
Default values	-

■ Text Size◆

Description	Set the text size of Company Information.
Settings	12 - 24 pt (by 1 pt)
Default values	12pt

■ Bold

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

■ Text Color

Description	Set the text color of Company Information.
Settings	<p>Option 1 Black: When "Light" is selected in "Color Scheme (→page 156)" White: When "Dark" is selected in "Color Scheme (→page 156)"</p> <p>Option 2 Blue: When "Light" is selected in "Color Scheme (→page 156)" Orange: When "Dark" is selected in "Color Scheme (→page 156)"</p>
Default values	Option 1

7.11.3.4 Greeting Information

■ Greeting

Description	Enter Greeting text.
Settings	0 - 100 alphanumeric characters
Default values	-

■ Text Size◆

Description	Set the text size of Greeting.
Settings	12 - 70 pt (1 pt)
Default values	12pt

■ Bold

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

■ Text Color

Description	Set the text color of Greeting Information.
Settings	<p>Option 1 Black: When "Light" is selected in "Color Scheme (→page 156)" White: When "Dark" is selected in "Color Scheme (→page 156)"</p> <p>Option 2 Blue: When "Light" is selected in "Color Scheme (→page 156)" Orange: When "Dark" is selected in "Color Scheme (→page 156)"</p>
Default values	Option 1

7.11.3.5 Images

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

■ Company Image

Description	Update Company Image. Supported file format <ul style="list-style-type: none"> • File name: within 20 characters (excluding extension) • File format: png • Resolution Width: 400 - 800 pixels Height: 80 - 480 pixels
Settings	<ul style="list-style-type: none"> • Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	-

■ Greeting Image

Description	Update Greeting Image. Supported file format <ul style="list-style-type: none"> • File name: within 20 characters (excluding extension) • File format: png • Resolution Width: 400 - 800 pixels Height: 80 - 480 pixels
Settings	<ul style="list-style-type: none"> • Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	-

■ Receptionist Image

Description	Update Receptionist Image. Supported file format <ul style="list-style-type: none"> • File name: within 20 characters (excluding extension) • File format: png • Resolution Width: 400 - 800 pixels Height: 80 - 480 pixels
Settings	<ul style="list-style-type: none"> • Upload: Click [Browse], select a file, and then click [Upload]. • Delete: Click [Delete] to delete registered data.
Default values	-

7.11.3.6 Button Function

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

■ Button 1

Description	Set the function of Button 1.
Settings	<ul style="list-style-type: none"> • Group Call: Call group number set by “Group Call Destination (→page 162)”. • Select By Name: Select destination station by name. • Select By List: Select destination station by list. • Enter Number: Enter destination station number by keypad. • Hide: Button is not displayed.
Default values	Hide

■ Button 2

Description	Set the function of Button 2.
Settings	<ul style="list-style-type: none"> • Group Call: Call group number set by “Group Call Destination (→page 162)”. • Select By Name: Select destination station by name. • Select By List: Select the call recipient from the group list. • Enter Number: Enter destination station number by keypad. • Hide: Button is not displayed.
Default values	Hide

■ Button 3

Description	Set the function of Button 3.
Settings	<ul style="list-style-type: none"> • Group Call: Call group number set by “Group Call Destination (→page 162)”. • Select By Name: Select destination station by name. • Select By List: Select destination station by list. • Enter Number: Enter destination station number by keypad. • Hide: Button is not displayed.
Default values	Hide

■ Button 4

Description	Set the function of Button 4.
Settings	<ul style="list-style-type: none"> • Group Call: Call group number set by “Group Call Destination (→page 162)”. • Select By Name: Select destination station by name. • Select By List: Select destination station by list. • Enter Number: Enter destination station number by keypad. • Hide: Button is not displayed.
Default values	Hide

■ Button Name for Group Call

Description	Set the Button Name when Button 1 - 4 is assigned to "Group Call". If "Group Call" is set to multiple buttons, they will all share the same name.
Settings	1-24 alphanumeric characters
Default values	-

■ Button Name for Select By Name

Description	Set the Button Name when Button 1 - 4 is assigned to "Select By Name". If "Select By Name" is set to multiple buttons, they will all share the same name.
Settings	1-24 alphanumeric characters
Default values	-

■ Button Name for Select By List

Description	Set the Button Name when Button 1 - 4 is assigned to "Search By List". If "Select By List" is set to multiple buttons, they will all share the same name.
Settings	1-24 alphanumeric characters
Default values	-

■ Button Name for Enter Number

Description	Set the destination group when Button 1 - 4 is assigned to "Group Call". If "#" is set to multiple buttons, they will all share the same name.
Settings	1-24 alphanumeric characters
Default values	-

7.11.3.7 Group Call Destination

Description	Set the destination group when Button 1 - 4 is assigned to "Group Call". If "Group Call" is set to multiple buttons, they will all share the same call destination group.
Settings	01 - 99
Default values	-

7.11.3.8 Reject Incoming Call

Description	Select Enable / Disable for incoming calls in Receptionist Mode.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable

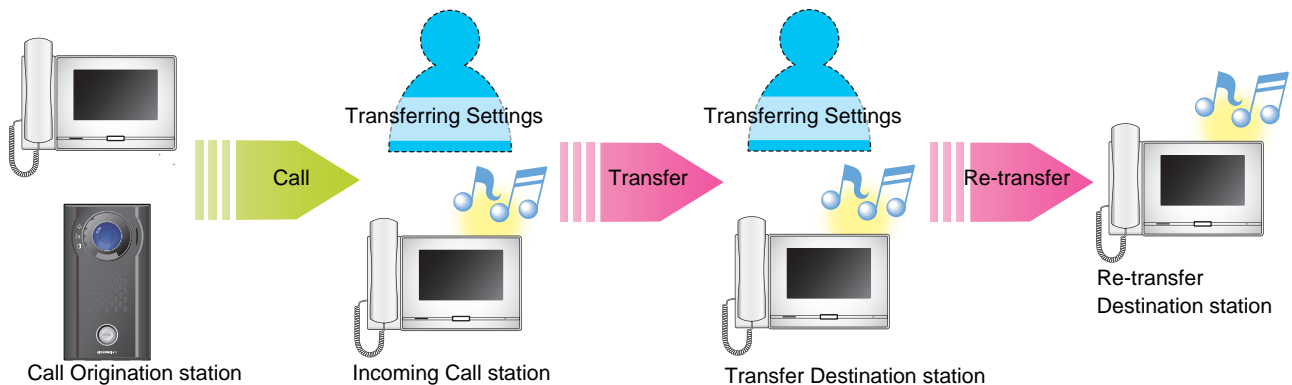
8. Transfer Settings

Configure the transfer related settings. The following three types of transfer are available.

- Absent Transfer: If an incoming call is received during absent transfer, the call can be automatically transferred to the transfer destination.
- Delay Transfer: If an incoming call is received during delay transfer, the call can be automatically transferred to the transfer destination after a certain period of time (configured delay time) elapses with no response.
- Schedule Transfer: If an incoming call is received during a time period set in advance, the call can be automatically transferred to the transfer destination.

Call transfers operate as shown below.

- Calls can be simultaneously transferred to up to 10 stations. (Up to one station if the call origination station is the IX-MV, IX-DA(-*), or IX-BA)
- The transferred call can be re-transferred to one station. However, the station will ring without transferring the call if the call origination station is the IX-MV, IX-DA(-*), or IX-BA.



! Important

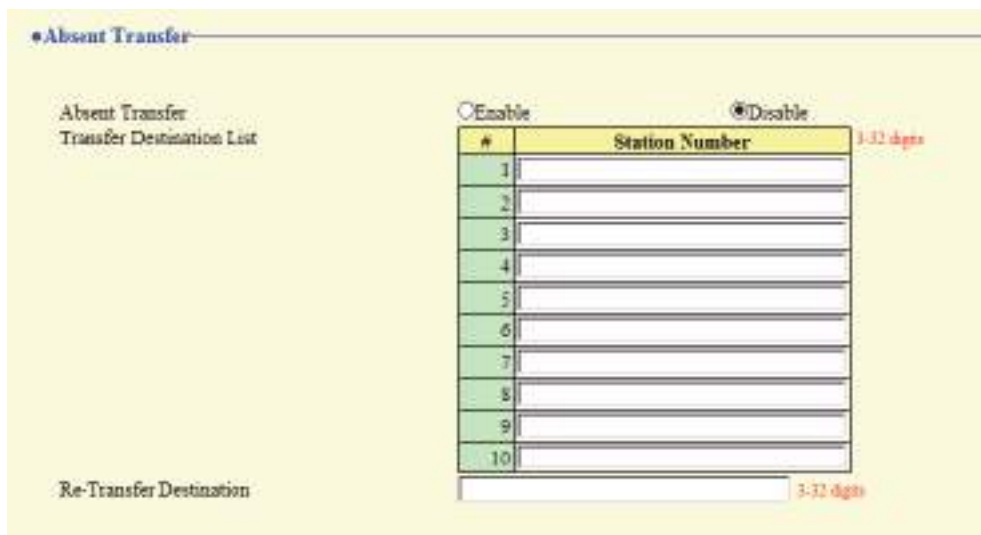
- The following restrictions on the total number of Incoming Call stations apply with respect to the Call Origination station. If this number is exceeded, some stations may not receive the incoming call.
 - In the case of the IX-MV7-*, up to 100 Incoming Call stations are allowed
 - Up to 50 Incoming Call stations are allowed except when using the IX-MV7-*, IX-MV, IX-DA(-*), or IX-BA.

8.1 Absent Transfer

If an incoming call is received during absent transfer, the incoming call can be automatically transferred to a transfer destination.

! Important

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



■ Absent Transfer

Description	Select Enable / Disable for Absent Transfer. This cannot be set to "Enable" if " Transfer Destination List (→page 164) " is not set. The TRANSFER button shown on this station's screen can also be used to change the setting.
Settings	<ul style="list-style-type: none"> Disable: Do not set Absent Transfer. Enable: Set Absent Transfer.
Default values	Disable

■ Transfer Destination List

Description	Configure the transfer destination station (Number) for absent transfer. Up to 10 transfer destination stations can be configured. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, the transfer will be made only to the station entered in "#1."
Settings	3-32 digits
Default values	-

! Important

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

■ Re-Transfer Destination

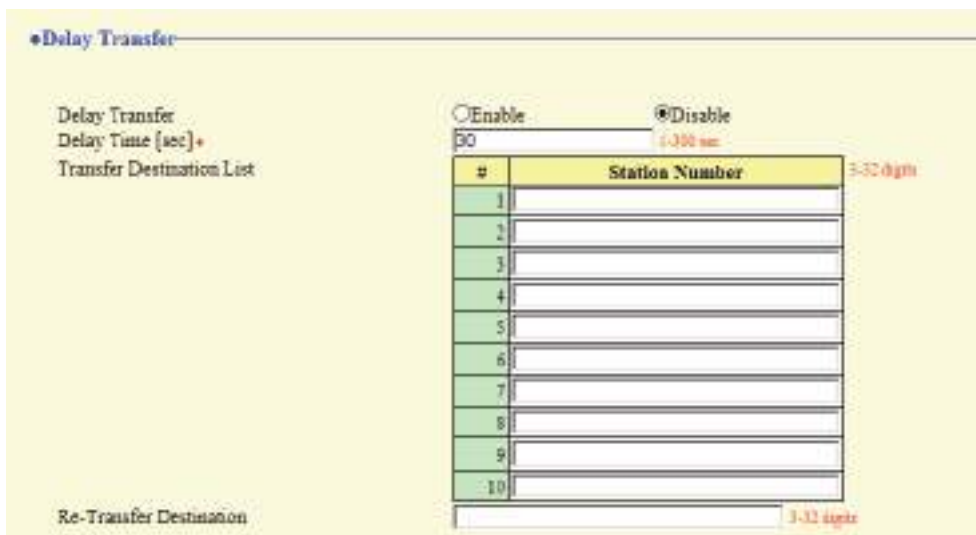
Description	Configure the transfer destination station (number) when performing absent re-transfer for a transferred call. Only a single station can be configured as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, the call will be received without re-transferring.
Settings	3-32 digits
Default values	-

8.2 Delay Transfer

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

! Important

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



■ Delay Transfer

Description	Select Enable / Disable for Delay Transfer. To enable "Delay Transfer", set " Transfer Destination List (→page 166) ".
Settings	<ul style="list-style-type: none"> • Disable: Delay Transfer is disabled. • Enable: Delay Transfer is enabled.
Default values	Disable

■ Delay Time [sec]◆

Description	Set the delay time between receiving and transferring a call.
Settings	1 - 300 sec (in 1 sec unit)
Default values	30 sec

■ Transfer Destination List

Description	Configure the transfer destination station (Number) for delay transfer. Up to 10 transfer destination stations can be configured. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, the transfer will be made only to the station entered in "#1."
Settings	3-32 digits
Default values	-

! Important

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

■ Re-Transfer Destination

Description	Configure the transfer destination station (number) when performing delay re-transfer for a transferred call. Only a single station can be configured as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, the call will be received without re-transferring.
Settings	3-32 digits
Default values	-

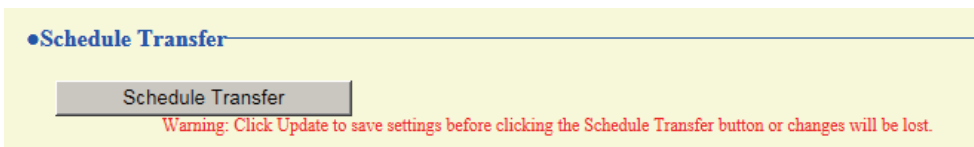
8.3 Schedule Transfer

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

! Important

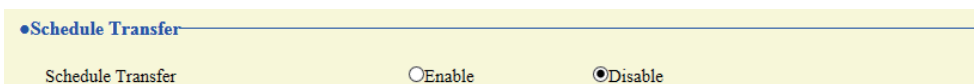
- When an incoming call is received from a VoIP Phone, the call will be received without transferring even when transfer is set. To transfer the call, configure transferring on the IP-PBX.

Click **[Schedule Transfer]**.



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

8.3.1 Schedule Transfer



■ Schedule Transfer

Description	Select Enable / Disable for Schedule Transfer. To enable Schedule Transfer, set " Weekly Schedule (→page 169) " or " Daily Schedule (→page 171) ".
Settings	<ul style="list-style-type: none"> • Disable: Schedule Transfer is disabled. • Enable: Schedule Transfer is enabled.
Default values	Disable

8.3.2 Weekly Schedule

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



How to configure the Weekly Schedule

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

■ Transfer Destination

Description	Configure the transfer destination for a scheduled transfer. Up to 10 transfer destination stations can be configured for each of the 12 schedules, and for each day of the week. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, the transfer will only be made to the station entered in "#1."
Settings	Per station: 3-32 digits To configure multiple stations, enter them separated with a comma (,). Example: 101,102,103,...
Default values	—

! Important

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

■ Re-Transfer Destination

Description	Configure the transfer destination when performing a schedule transfer again for a transferred call. Only a single station can be configured as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(*), or IX-BA, the call will be received without transferring it again.
Settings	3-32 digits
Default values	—

■ Start Time

Description	Set the Start Time to enable schedule transfer.
Settings	00:00 - 23:59
Default values	—

■ End Time

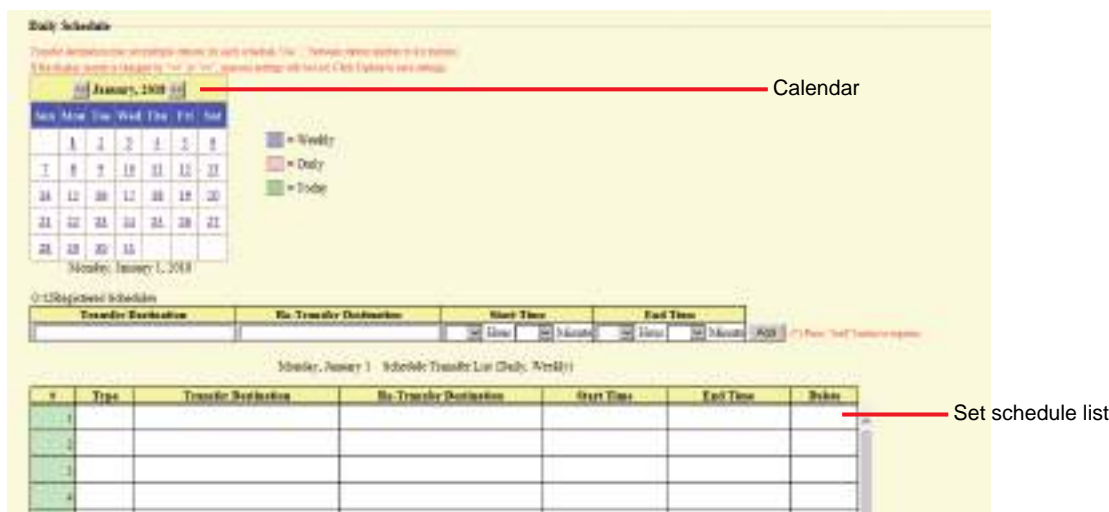
Description	Set the End Time to disable schedule transfer. If a time earlier than “Start Time (→page 169)” is set, the end time will be the time the following day.
Settings	00:00 - 23:59
Default values	—

How to delete the Weekly Schedule

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

8.3.3 Daily Schedule

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



How to configure Daily Schedule

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

■ Transfer Destination

Description	Configure the transfer destination for schedule transfer. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, The transfer will be made only to the station entered in "#1."
Settings	Per station: 3-32 digits To configure multiple stations, enter them separated with a comma (,). Example: 101,102,103,...
Default values	—

! Important

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

■ Re-Transfer Destination

Description	Configure the transfer destination when performing schedule re-transfer for a transferred call. Only a single station can be configured as the transfer destination. However, if the station making the outgoing call is IX-MV, IX-DA(-*), or IX-BA, the call will be received without transferring it again.
Settings	3-32 digits
Default values	—

■ Start Time

Description	Set the Start Time to enable schedule transfer.
Settings	00:00 - 23:59
Default values	—

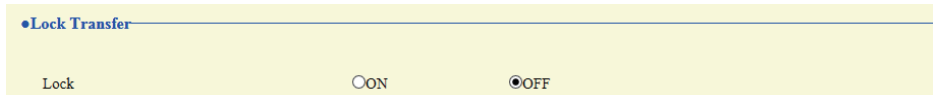
■ End Time

Description	Set the End Time to disable schedule transfer. If this is set earlier than “Start Time (→page 172)” , the end time will be for the following day.
Settings	00:00 - 23:59
Default values	—

How to delete Daily Schedule

1. Select the day to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the list.
 - If a Weekly Schedule is configured for the selected day of the week, it will also be shown.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
 - Refer to [“How to delete the Weekly Schedule \(→page 170\)”](#) for information on deleting weekly schedules.

8.4 Lock Transfer



■ Lock

Description	Select ON / OFF to Lock Transfer function. When set to "ON", transfer function cannot be changed by user account.
Settings	<ul style="list-style-type: none"> • OFF: Can be configured with user privileges. • ON: Cannot be configured with user privileges.
Default values	OFF

9. Station Settings

9.1 Speed Dials / Favorites

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

Speed Dials / Favorites

Speed Dial #

Speed Dial Name

*24 alphanumeric characters
 *Certain characters may not be displayed correctly on 10.4/11.4 due to font size

Function

No Function

Individual Call
 Station Number
 Priority

Group Call
 Number
 Priority

Group Page
 Number
 Priority

All Page
 Priority

Group Message Page
 Number

Message

Priority
 Play Count (time/s)

All Message Page

Message

Priority
 Play Count (time/s)

Monitor
 Station Number

Network Camera Monitor
 Network Camera

Scan Monitor

Option Relay Control
 Station List

Enable	Station Number	Station Name
<input type="checkbox"/>	000	Main Station 1
<input type="checkbox"/>	000	Main Station 2
<input type="checkbox"/>	004	Main Station 3
<input type="checkbox"/>	001	Main Station 4
<input type="checkbox"/>	001	Video Station 1

Output Time

0 (Momentary)
 100-2000 (msac)
 1-600 (sec)

Output Time [msac/sec] 100-2000 msec / 100 msec step
 1-600 sec / 1 sec step

TL5 **Enable/Disable**

Option Relay Control Key (*) 1-20 (bits)
 When TL5 is Fixed, the Option Relay Control Key is mandatory

Lock ON OFF

9.1.1 Advanced Speed Dial Button Settings

How to configure the Speed Dial buttons

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

9.1.1.1 Speed Dial Name

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

9.1.1.2 Function

Description	Set the Speed Dial Function. Refer to " How to configure Individual Call (→page 176) " for how to configure detailed functions.
Settings	<ul style="list-style-type: none"> • No Function • Individual Call: Call individual station set in "Individual Call". • Group Call: Call group set in "Group Call". • Group Page: Page group set in "Group Page". • All Page: Page all stations. • Group Message Page: Page message to group set in "Group Message Page". • All Message Page: Page message to all stations. • Monitor: Monitor station set in "Monitor". • Network Camera Monitor: Monitor network camera set in "Network Camera Monitor". • Scan Monitor: Start scan monitor sequence set in "Station Settings - Monitor". • Option Relay Control: Relay Control set in "Option Relay Control". Relay output will not be controlled for IX-MV, IX-DA, or IX-BA.
Default values	No Function

How to configure Individual Call

Configure if "Individual Call" is set in ["Function \(→page 175\)"](#).

■ Station Number

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

■ Priority

Description	Set the Priority for the individual calls.
Settings	<ul style="list-style-type: none"> • Normal • Priority • Urgent
Default values	-

How to configure Group Call

Configure if "Group Call" is set in ["Function \(→page 175\)"](#).

■ Number

Description	Set the destination group.
Settings	01 - 99
Default values	-

■ Priority

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

How to configure Group Page

Configure if "Group Page" is set in ["Function \(→page 175\)"](#).

■ Number

Description	Set the destination group.
Settings	01 - 99
Default values	-

■ Priority

Description	Set the priority of group page.
Settings	<ul style="list-style-type: none"> • Normal • Urgent
Default values	-

How to configure All Page

Configure if "All Page" is set in ["Function \(→page 175\)"](#).

■ Priority

Description	Set the priority of all page.
Settings	<ul style="list-style-type: none"> • Normal • Urgent
Default values	-

How to configure Group Message Page

Configure if "Group Message Page" is set in ["Function \(→page 175\)"](#).

■ Number

Description	Set the destination group.
Settings	01 - 99
Default values	-

■ Message

Description	Select the message (audio file) to send during message paging.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Priority

Description	Set the priority of group message page.
Settings	<ul style="list-style-type: none"> • Normal • Urgent
Default values	-

■ Play Count [time(s)]

Description	Set the message play count of group message page.
Settings	1 - 20 times
Default values	-

How to configure All Message Page

Configure if "All Message Page" is set in ["Function \(→page 175\)"](#).

■ Message

Description	Select the message (audio file) to send during message paging.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 95)".
Default values	None

■ Priority

Description	Set the priority of all message page.
Settings	<ul style="list-style-type: none"> • Normal • Urgent
Default values	-

■ Play Count [time(s)]

Description	Set the message play count of all message page.
Settings	1 - 20 times
Default values	-

How to configure Monitor

Configure if "Monitor" is set in ["Function \(→page 175\)"](#).

■ Station Number

Description	Set the destination station. This cannot be configured for IX-MV7-*, IX-MV, IXW-MA, or VoIP Phones.
Settings	3-5 digits
Default values	-

How to configure Network Camera Monitor

Configure if "Network Camera Monitor" is set in ["Function \(→page 175\)"](#).

■ Network Camera

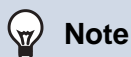
Description	Set the destination Network Camera.
Settings	Select from the network cameras registered in "Network Camera List (→page 91)" .
Default values	-

How to configure Option Relay Control

Configure if "Option Relay Control" is set in ["Function \(→page 175\)"](#).

■ Station List

Description	Configure a station to control relay output. This cannot be configured for IX-MV, IX-DA(-*), or IX-BA. Multiple (unlimited) stations can be configured.
Settings	Check "Enable" for the station for which to perform contact output (multiple selections allowed).
Default values	-



Note

- When controlling relay output for multiple stations, processing may take some time and control may be delayed.

■ Output Time◆

Description	Set the Output Time within the range selected in "Output Time Range".
Settings	<ul style="list-style-type: none"> • 0 (Momentary): Pressing the Speed Dial button to start continuous relay output. Pressing the Speed Dial button again will stop relay output. • 200 - 2000 [msec]: Select this when configuring a value from 200 to 2000 msec (by 200 msec). Enter the time in "Output Time [msec / sec]◆." • 3 - 600 [sec]: Select this when configuring a value from 3 to 600 sec (by 1 sec). Enter the time in "Output Time [msec / sec]◆."
Default values	0 (Momentary)

■ TLS

Description	Select Enable / Disable for TLS. When "Enable" is selected, set "Option Relay Control Key".
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable



Important

- If "TLS" is set to "Enable," this may take some time if there are multiple stations to control.

■ Option Relay Control Key

Description	Set the Option Relay Control Key. When matched with the Option Relay Control Authentication Key in "Option Relay Control Authentication Key," the relay output will activate.
Settings	1 - 20 digits
Default values	-



Note

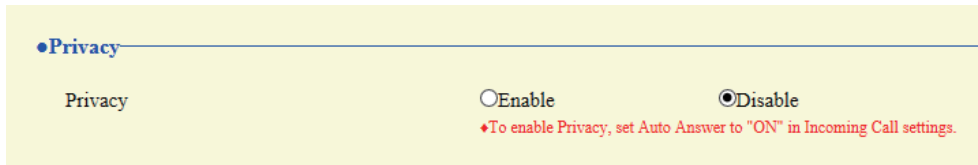
• The "Option Relay Control Key" is displayed as "●●●●" in the Settings window.

9.1.1.3 Lock

Description	Select ON / OFF to Lock Speed Dial setting. Once set to "ON", Speed Dial function cannot be changed by user account.
Settings	<ul style="list-style-type: none">• ON• OFF
Default values	OFF

9.2 Privacy

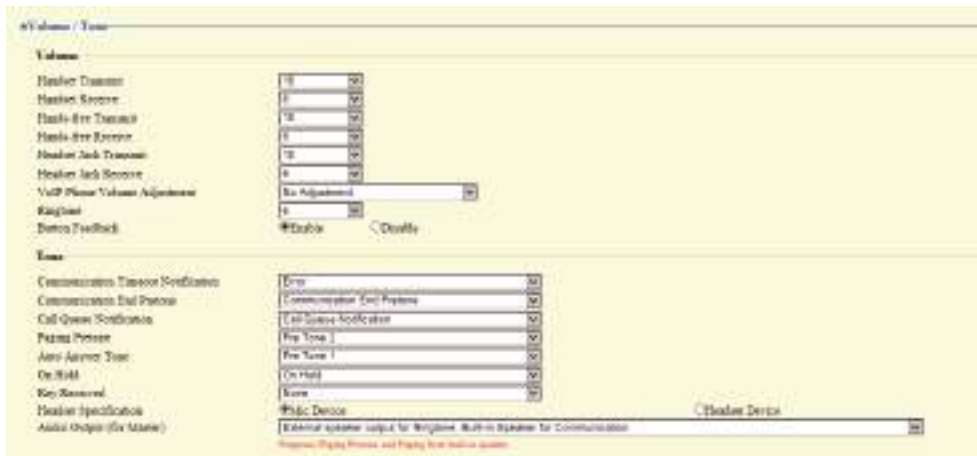
Configure to prevent the other station from hearing/viewing audio or camera images, when [“Auto Answer \(→page 101\)”](#) is set to "ON."



■ Privacy

Description	Select Enable / Disable for Privacy function. The setting can also be changed on the station.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable

9.3 Volume / Tone



9.3.1 Volume

■ Handset Transmit

Description	Set the transmit volume using handset while communicating and paging.
Settings	1 - 10
Default values	10

■ Handset Receive

Description	Set the receive volume using handset while communicating. Also sets ringback tone volume.
Settings	1 - 10
Default values	6

■ Hands-free Transmit

Description	Set the hands-free transmit volume while communicating and paging.
Settings	1 - 10
Default values	10

■ Hands-free Receive

Description	Set the hands-free receive volume while communicating and paging. Also sets ringback tone volume.
Settings	1 - 10
Default values	6

■ Headset Jack Transmit

Description	Set the transmit volume using headset jack.
Settings	1 - 10
Default values	10

■ Headset Jack Receive

Description	Set the receive volume using headset jack.
Settings	1 - 10
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"> • -12dB from VoIP, +12dB to VoIP • -6dB from VoIP, +6dB to VoIP • No Adjustment • +6dB from VoIP, -6dB to VoIP • +12dB from VoIP, -12dB to VoIP
Default values	No Adjustment

■ Ringtone

Description	Select the volume for Ringtone and Paging Pretone.
Settings	0: Mute, 1 - 10
Default values	6

■ Button Feedback

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

9.3.2 Tone

■ Communication Timeout Notification

Description	Select the tone to be played when an outgoing call times out.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
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"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Communication End Pretone

■ Call Queue Notification

Description	Select the tone to be played when receiving a call while communicating.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Call Queue Notification

■ Paging Pretone

Description	Select the sound to be played when placing or receiving a page.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	Pre Tone 2

Important

- Configure a tone with a longer duration than the paging pretone of the station receiving the page. Configuring a shorter tone might prevent audio from playing on the other station when paging starts. Configure the same tone as that of other IX-MV7-* and IX-MV stations in the system.

■ Auto Answer Tone

Description	<p>Select the tone to be played.</p> <ul style="list-style-type: none"> • Ringtone when receiving an individual call. "Auto Answer (→page 101)" must be set to "ON". • Ringback tone when placing an individual call. "Auto Answer (→page 101)" must be set to "ON" at the destination station.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 95)".
Default values	Pre Tone 1

■ On Hold

Description	Select the tone to be played while On-Hold.
Settings	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 95)".
Default values	On Hold

■ Key Received

Description	Configure the tone to send to the other station when the door release key entered using a keypad on the other 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"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 95)”.
Default values	None

■ Headset Specification

Description	Set the device to be connected to the headset jack.
Settings	<ul style="list-style-type: none"> • Mic Device • Headset Device
Default values	Mic Device

■ Audio Output (for Master)

Description	Set using External speaker for Ringtone, Paging Pretone and Paging.
Settings	<ul style="list-style-type: none"> • External speaker output for Ringtone, Built-in Speaker for Communication • External speaker output for Paging Pretone, Built-in Speaker for Paging • External speaker output for Ringtone, Paging Pretone and Paging, Built-in Speaker for Communication
Default values	External speaker output for Ringtone, Built-in Speaker for Communication

Note

- The tone will play from the speaker of the station even if audio is heard from the external speaker.

9.4 Communication

• **Communication**

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

Force Touch-to-Talk Enable Disable

■ Talk Timeout [sec] ♦

Description	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"> • Infinite: No timeout. • 30-600 seconds: Configure between 30 to 600 sec (by 1 sec).
Default values	60 sec

! Important

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

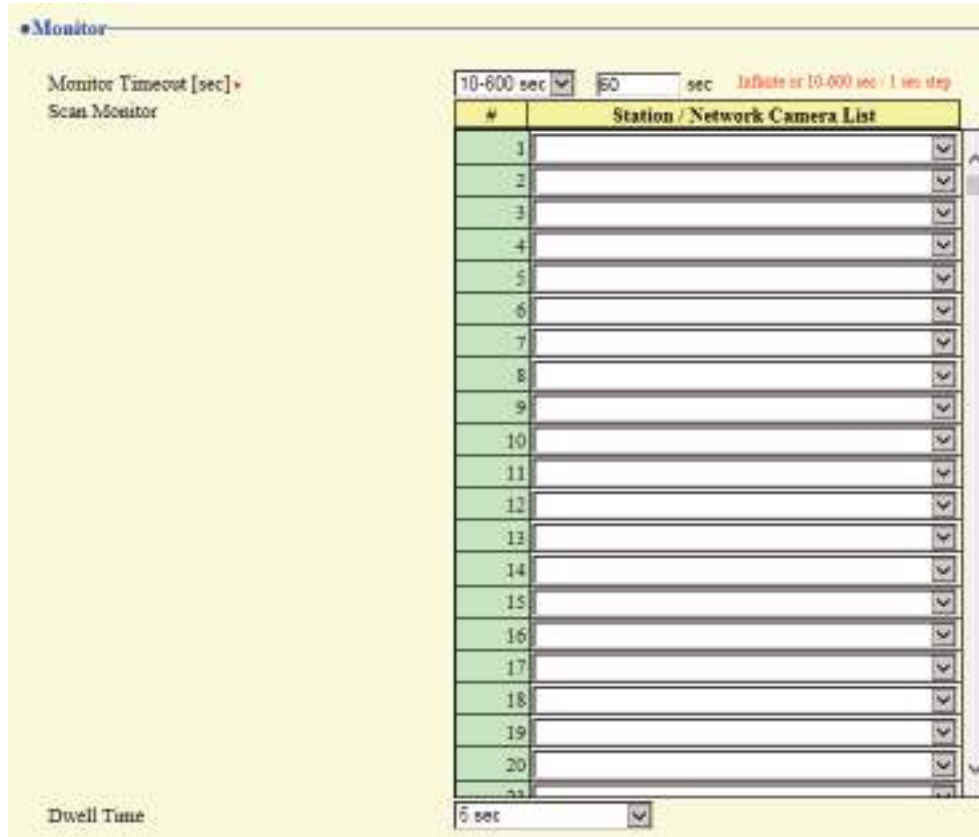
■ Force Touch-to-Talk

Description	Select Enable / Disable for Force Touch-to-Talk when starting communication in hands-free mode.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable

9.5 Monitor

! Important

- Monitoring cannot be performed for IX-MV7-*, IX-MV, and VoIP Phone.



■ Monitor Timeout [sec]◆

Description	Set the monitoring timer by station. Scan Monitor must be end manually.
Settings	<ul style="list-style-type: none"> Infinite: Do not end until end operation occurs. 10-600 seconds: Configure between 10 and 600 sec (by 1 sec).
Default values	60sec

9.5.1 Scan Monitor

Configure settings to monitor by automatically switching between several stations and network cameras at set intervals.

■ Station / Network Camera List

Description	Configure the station and network camera to perform scan monitoring. Scan monitoring will be performed in order of series number. A combined total of 1000 stations and network cameras can be configured. Multiple network cameras can also be set to a single station.
Settings	Select from stations and network cameras registered in "Address Book (→page 89)" . IX-MV7-*, IXW-MA, IX-MV, and VoIP Phone cannot be selected.
Default values	—

■ Dwell Time

Description	Set the dwell time to change destination for scan monitor.
Settings	<ul style="list-style-type: none"> • 5 sec • 10 sec • 30 sec
Default values	5 sec

9.6 Master Station Display

Master Station Display

Brightness

Primary Video Source IX Station Network Camera

Aspect Ratio 4:3 16:9

Standby LED State ON OFF

Keypad ON OFF

■ Brightness

Description	Set the Brightness of Master station display.
Settings	1 - 10
Default values	6

■ Primary Video Source

Description	Select the primary video source when showing 2 video stream simultaneously.
Settings	<ul style="list-style-type: none"> IX Station Network Camera
Default values	IX Station

■ Aspect Ratio

Description	Select the video aspect for primary video source.
Settings	<ul style="list-style-type: none"> 4:3 16:9
Default values	16:9

■ Standby LED State

Description	Select ON / OFF for standby status LED.
Settings	<ul style="list-style-type: none"> ON OFF
Default values	ON

■ Keypad

Description	Select ON / OFF for whether to display the keypad used for door release and playing location messages.
Settings	<ul style="list-style-type: none"> ON OFF
Default values	ON

9.7 Line Supervision

Configure settings related to Line Supervision and Device Check. Line monitoring and malfunction monitoring can be performed for stations other than the VoIP Phone configured in [“Station List” \(→page 89\)](#).

Line Supervision

Line Supervision Interval	OFF	Sun	Schedule available Weekly only.
Line Supervision Schedule	00 Hour	00 Minute	Schedule available Daily or Weekly only.
Device Check Interval	OFF	Sun	Schedule available Weekly only.
Device Check Schedule	00 Hour	00 Minute	Schedule available Daily or Weekly only.

Line Supervision Interval

Description	Set the Line Supervision test interval.
Settings	<ul style="list-style-type: none"> • OFF • 15 sec. • 20 min. • 30 min. • 60 min. • Daily • Weekly: Select the day of the week from the drop-down list.
Default values	OFF

Line Supervision Schedule

Description	Set the time when automatic Line Supervision starts. Set the time when "Daily" or "Weekly" is selected in “Line Supervision Interval (→page 192)” .
Settings	From 00:00 to 23:59
Default values	00:00

Device Check Interval

Description	Set the Device Check test interval.
Settings	<ul style="list-style-type: none"> • OFF • 10 min. • 20 min. • 30 min. • 60 min. • Daily • Weekly: Select the day of the week from the drop-down list.
Default values	OFF

Device Check Schedule

Description	Set the time when Device Check starts. Set the time when "1 day" or "Weekly" is selected in “Device Check Interval (→page 192)” .
Settings	From 00:00 to 23:59
Default values	00:00

10. Maintenance

10.1 Firmware Update

Access our website at <https://www.aiphone.net/> 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]**.

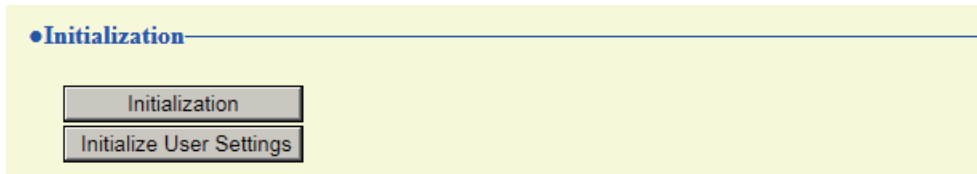
Important

- 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.
- When the firmware is updated, the station will automatically restart.

Note

- If the update fails, repeat the procedure.

10.2 Initialization



How to initialize

1. Click **[Initialization]** or **[Initialize User Settings]**.
 - Initialization: All settings revert to their default values. The system log and outgoing/incoming call history 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.

10.3 Settings File Backup

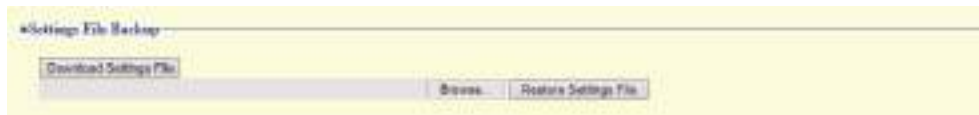
Back up the setting file so it can be used to restore the system.

How to back up the setting file

! Important

- When a setting is changed, back up the setting file. With the backup setting file, the settings of a replaced station can easily be restored.
- The following items are not backed up. Either save this setting data separately, or back it up using IX Support Tool.
 - Sound data registered in [“Custom Sound Registry \(→page 95\)”](#)
 - SIF data uploaded in [“SIF \(→page 132\)”](#)
 - Certificate data uploaded in [“SSL Certificate \(→page 150\)”](#)
 - Certificate and other data uploaded in [“IEEE 802.1X \(→page 151\)”](#)

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



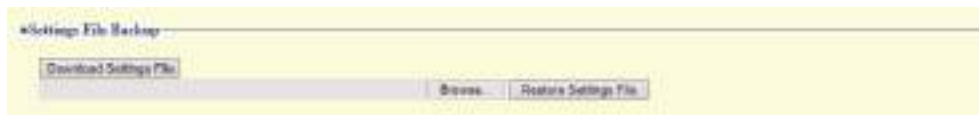
2. Specify the location to store the setting file.
 - The default file name is "GetConfig." Change the file name if needed.

How to restore setting file

! Important

- When data (IP address updates) is restored, this station will restart. This may take approx. 10 minutes in total. The station will not operate until the restart is complete.
- Data for the following items and the station's display language cannot be restored using this procedure. Upload from each item.
 - Audio source data registered in ["Custom Sound Registry \(→page 95\)"](#)
 - SIF data uploaded in ["SIF \(→page 132\)"](#)
 - Certificate data uploaded in ["SSL Certificate \(→page 150\)"](#)
 - Certificate data and the like uploaded in ["IEEE 802.1X \(→page 151\)"](#)
- Refer to "Operation Manual" when setting the station's display language.

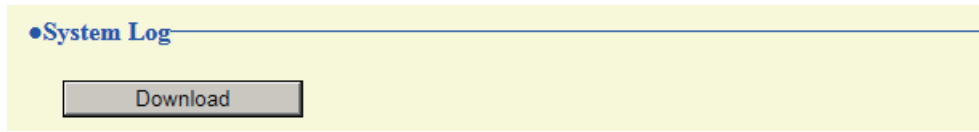
1. Click **[Browse]**.



2. Select the setting file to be restored, and click **[Open]**.
3. Click **[Restore Settings File]**.
4. Click **[OK]**.
 - Click **[Cancel]** to cancel the restore process.

10.4 System Log

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.

10.5 syslog

•syslog

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

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

Port
1-65535

■ 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 - FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF or hostname (1 - 64 alphanumeric characters)
Default values	—

■ Port◆

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



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

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