

IX Series

IP network-compatible intercom

Multi-purpose Adapter IXW-MA

Web Setting Manual

Software version 2.00 or later

Important

- Before configuring and using the system, read Web Setting Manual (this document) 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.

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Introduction

This manual describes how to set up the IXW-MA 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

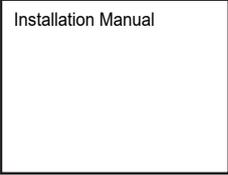
The following symbols identify important information concerning operational procedures.

 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.
 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.
- VoIP phones and IX system stations are referred to collectively as "stations."

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</p>	<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>The manuals listed to the right can be found on our Web site at https://www.aiphone.net/support/ for download and reference.</p>	<p>IX Support Tool Setting Manual (Electronic format (PDF file).) Describes how to configure and maintain the system using IX Support Tool. (For system administrator)</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 configure each station individually.
 - 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♣♣ \(→page 52\)](#)", "ID and Password" "[Administrator ID♣♣ \(→page 53\)](#)" "[Administrator Password♣♣ \(→page 53\)](#)", "IPv4 Address" "[IP Address♣♣ \(→page 59\)](#)" and "IPv6 Address" "[IP Address♣♣ \(→page 59\)](#)" after configured using the IX Support Tool, it will not be applied to the IX Support Tool settings.

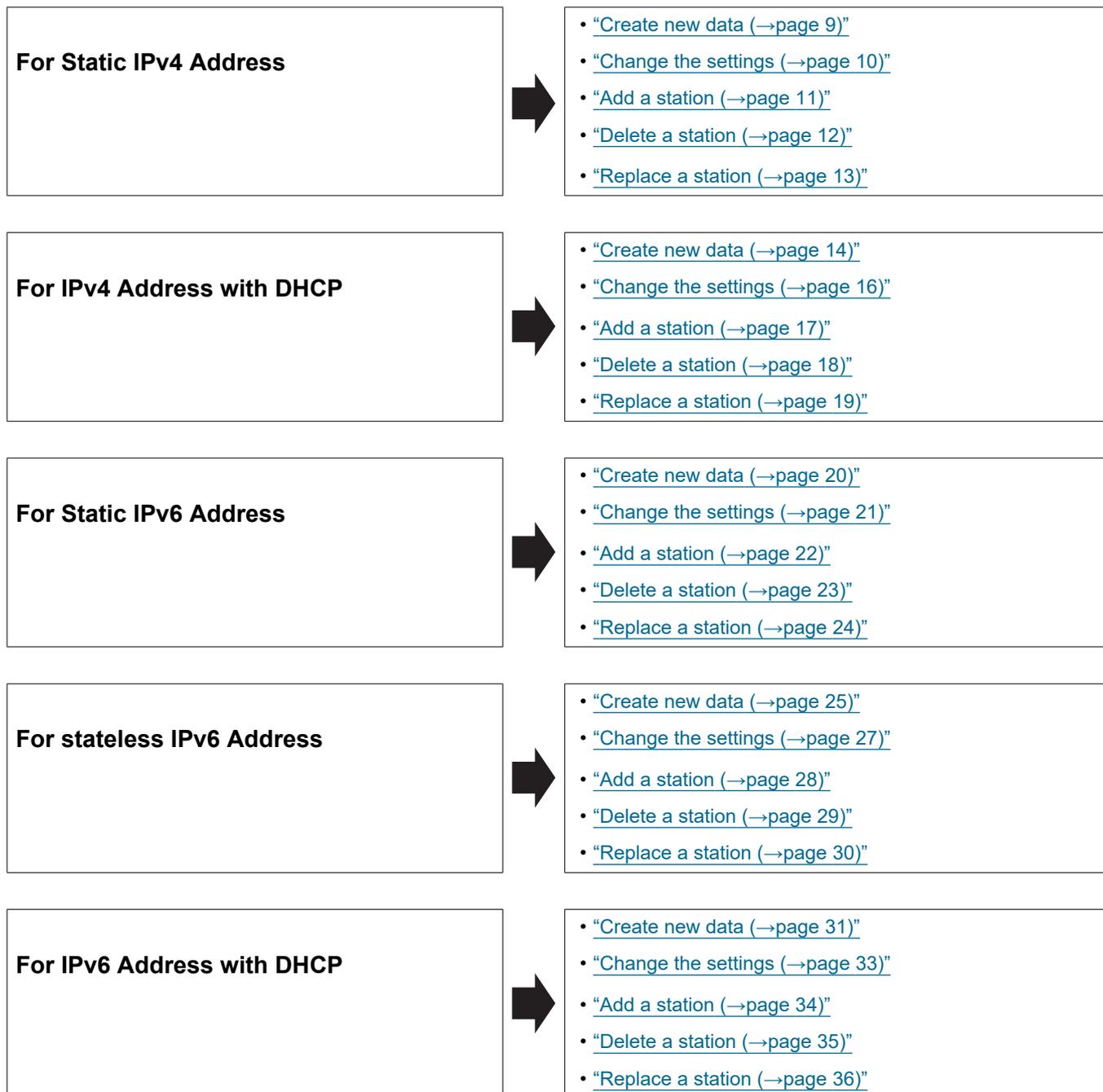
4. Flowcharts for configuring the system

When configuring the system through a browser, follow the flowchart that fits the application. Save the setting data after configuring the system. Refer to [“Settings File Backup \(→page 90\)”](#) for information on how to save setting data.

If the setting data is lost, 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 \(→page 90\)”](#).
- 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 \(→page 41\)”](#)



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

[“Log in to the Web server of the station to be configured \(→page 42\)”](#)



3. Set [“Language \(→page 54\)”](#).

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



4. Configure the station.

[“Configuring the Station \(→page 51\)”](#)



5. Configure other stations in the same manner.

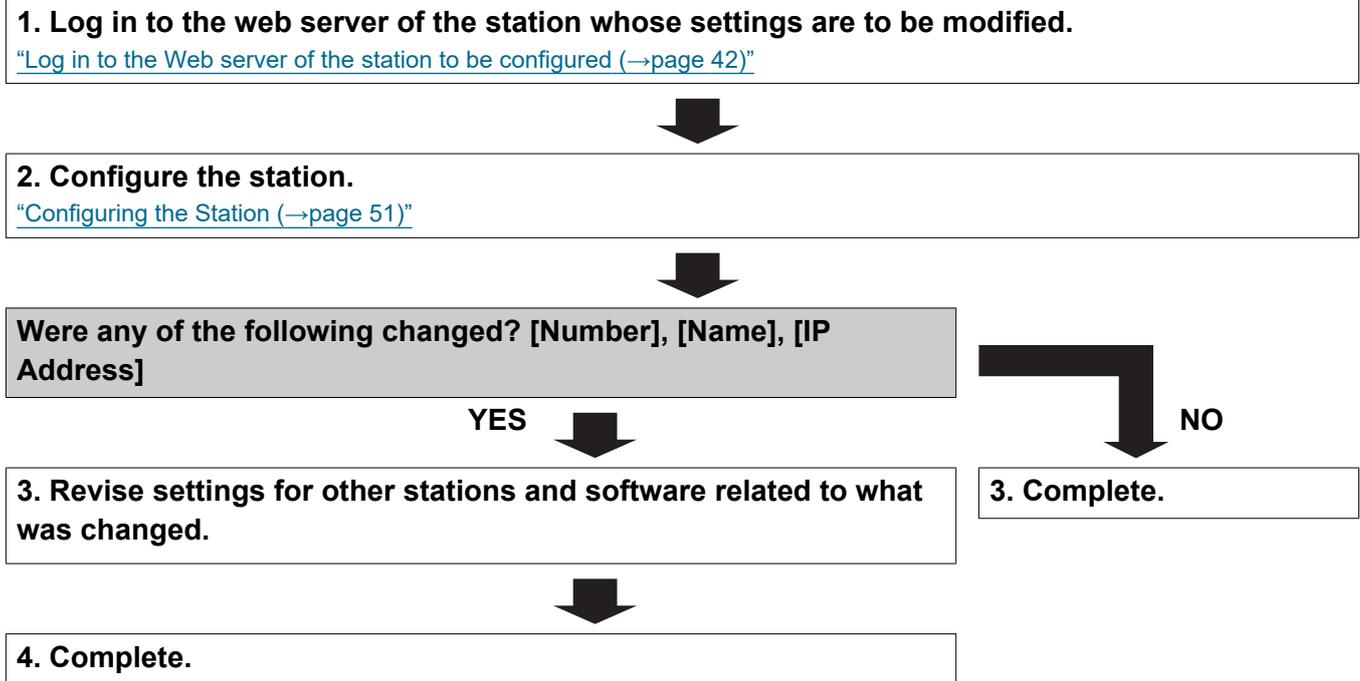
Refer to each station's Web Setting Manual.



6. Complete.

4.1.2 Change the settings

Use this flowchart to change the settings.



4.1.3 Add a station

Use this flowchart to add a station.

1. Connect PC to the station to be added.

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

[“Connecting to a PC \(→page 41\)”](#)



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 \(→page 42\)”](#)



3. Set “[Language \(→page 54\)](#)”.

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



4. Configure the station.

[“Configuring the Station \(→page 51\)”](#)



5. Add settings data to existing stations if required.



6. Complete.

4.1.4 Delete a station

Use this flowchart to delete a station.

 **Important**

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

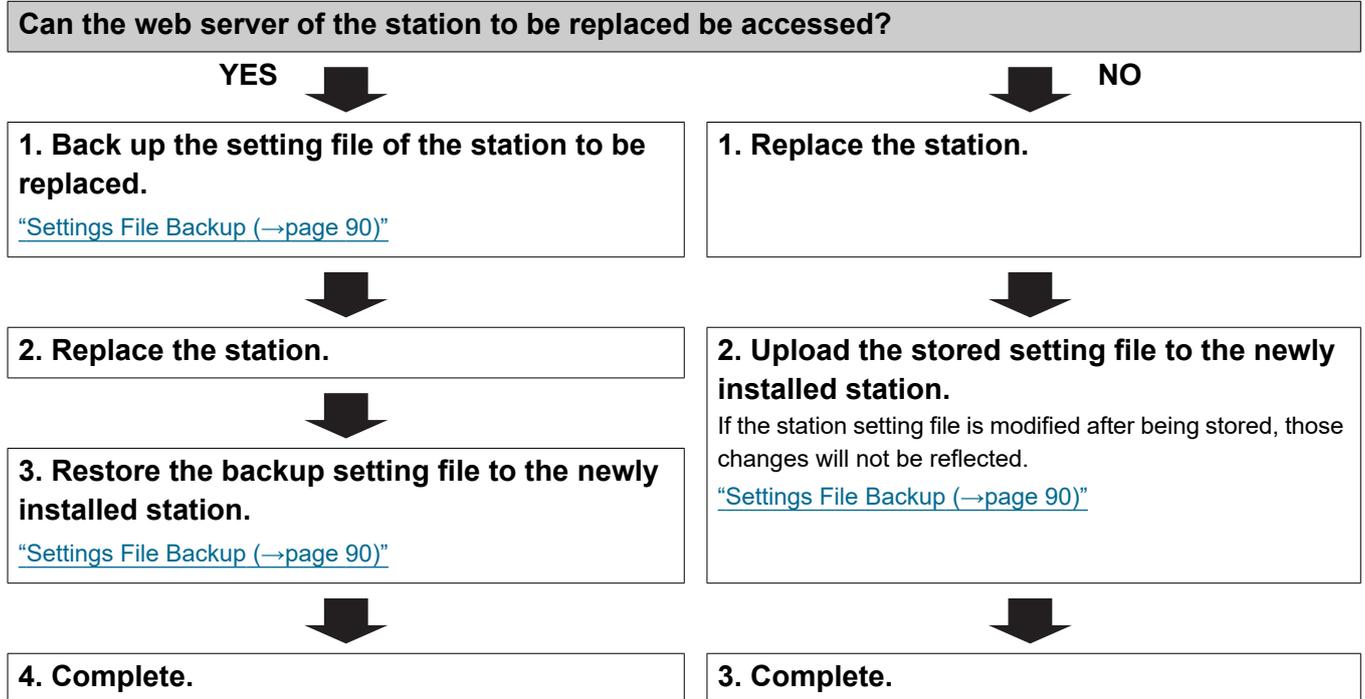
1. Delete the data of the station from all other stations and Support Tool.



2. Complete.

4.1.5 Replace a station

Use this flowchart to replace a station.



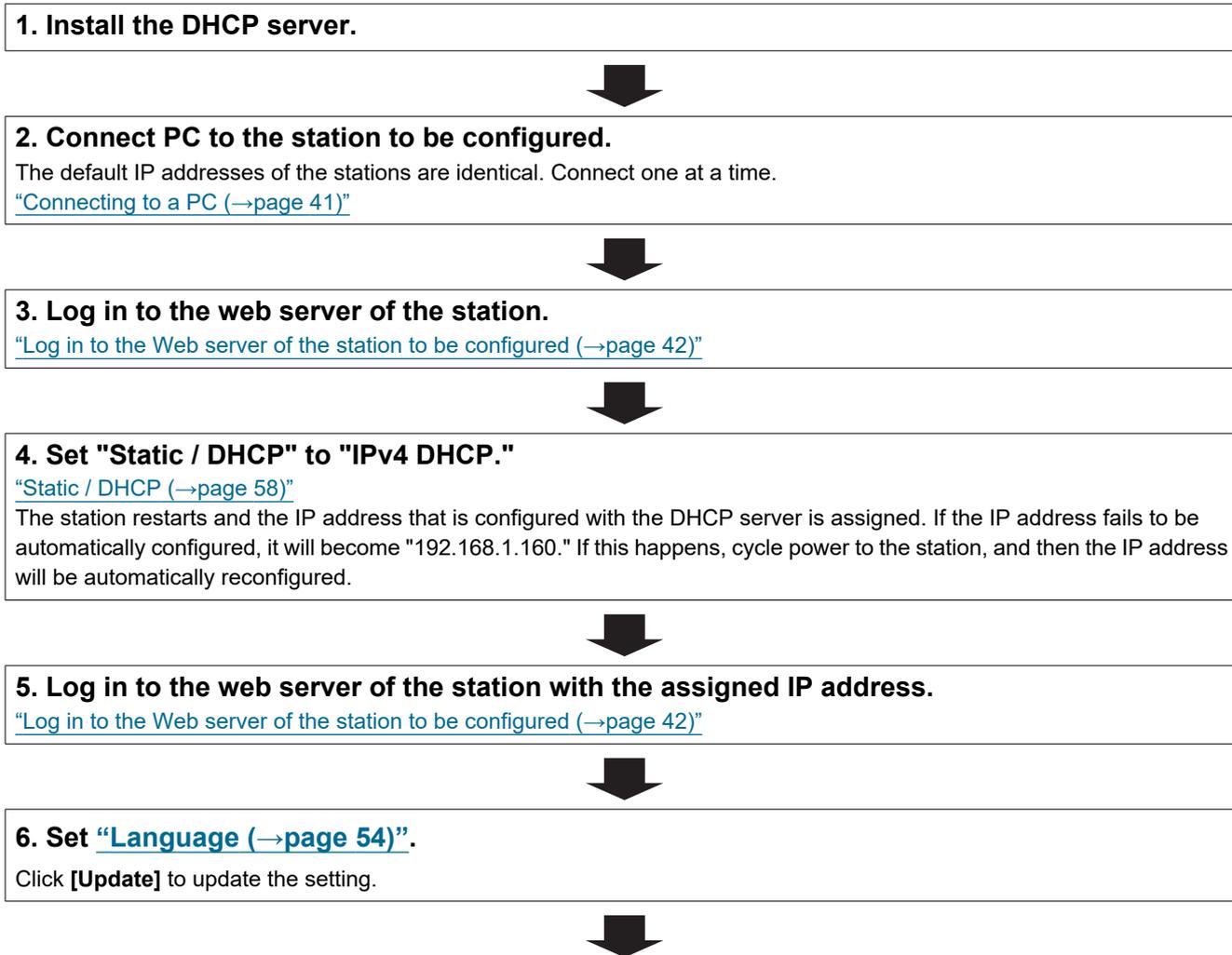
4.2 For IPv4 Address with DHCP

! Important

- Due to the architecture of the IX system, DHCP configuration is only recommended for network environments utilizing managed (static) IP address leasing. For how to set up the DHCP server, refer to its manual.
- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 90\)”](#).
- 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.





7. Configure the station.

["Configuring the Station \(→page 51\)"](#)



8. Configure other stations in the same manner.

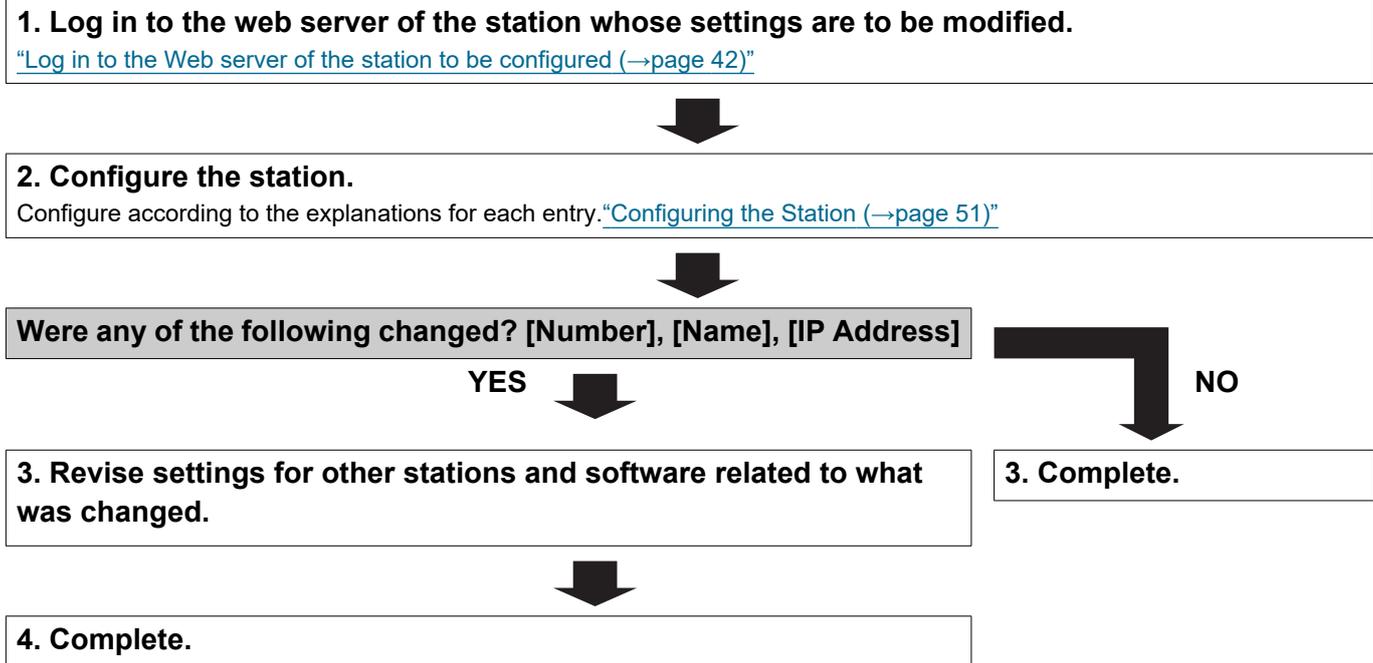
Refer to each station's Web Setting Manual.



9. Complete.

4.2.2 Change the settings

Use this flowchart to change the settings.



4.2.3 Add a station

Use this flowchart to add a station.

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

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



2. Connect PC to the station to be added.

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

["Connecting to a PC \(→page 41\)"](#)



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

["Log in to the Web server of the station to be configured \(→page 42\)"](#)



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

["Static / DHCP \(→page 58\)"](#)

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 \(→page 42\)"](#)



6. Set "[Language \(→page 54\)](#)".

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



7. Configure the station.

["Configuring the Station \(→page 51\)"](#)



8. Add settings data to existing stations if required.



9. Complete.

4.2.4 Delete a station

Use this flowchart to delete a station.

 **Important**

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

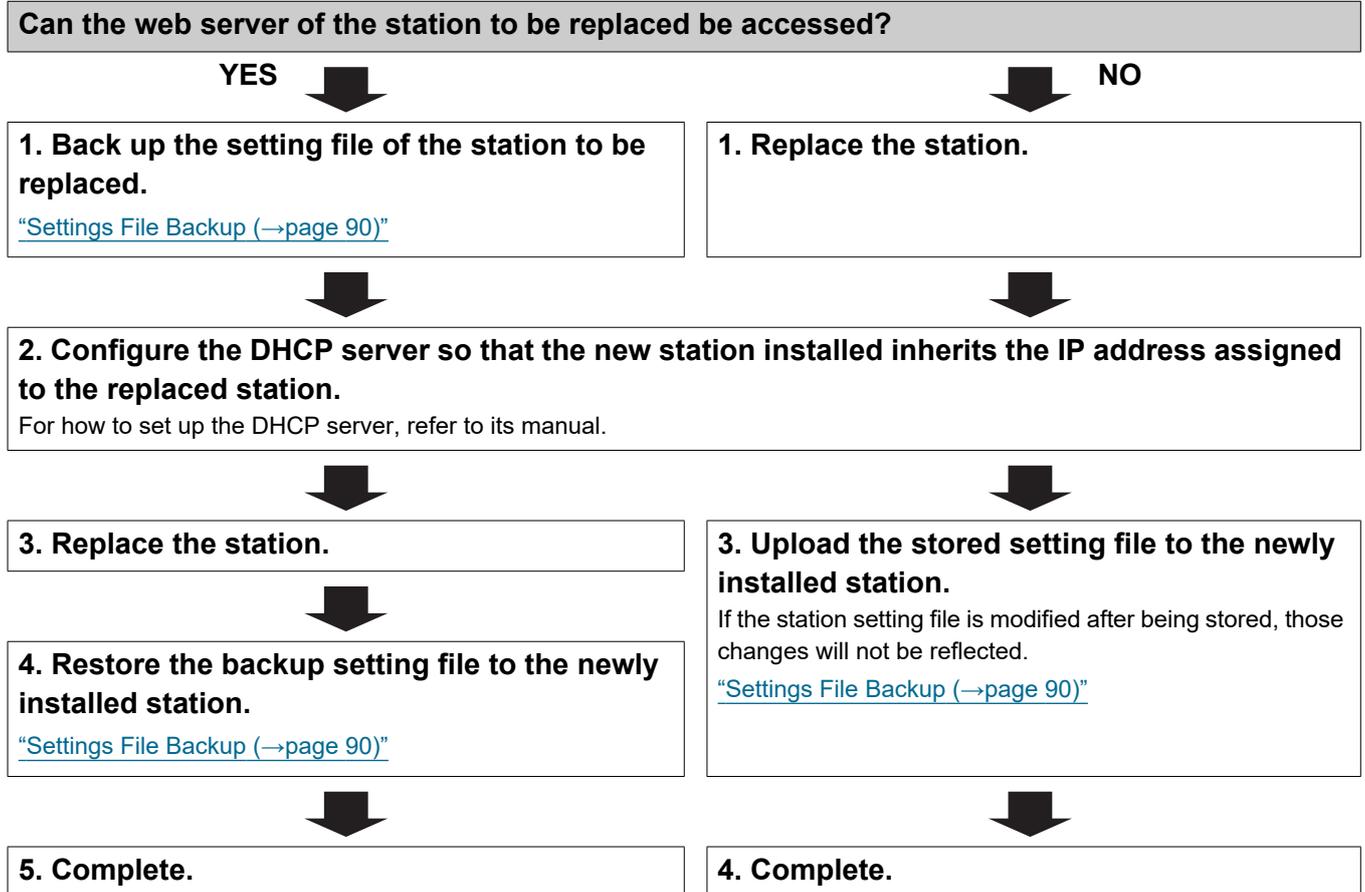
1. Delete the data of the station from all other stations and Support Tool.



2. Complete.

4.2.5 Replace a station

Use this flowchart to replace a station.



4.3 For static IPv6 address

! Important

- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 90\)”](#).
- 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 \(→page 41\)”](#)



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 \(→page 42\)”](#)



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

[“Static / DHCP \(→page 58\)”](#)

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 \(→page 42\)”](#)



6. Set [“Language \(→page 54\)”](#).

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



7. Configure the station.

[“Configuring the Station \(→page 51\)”](#)

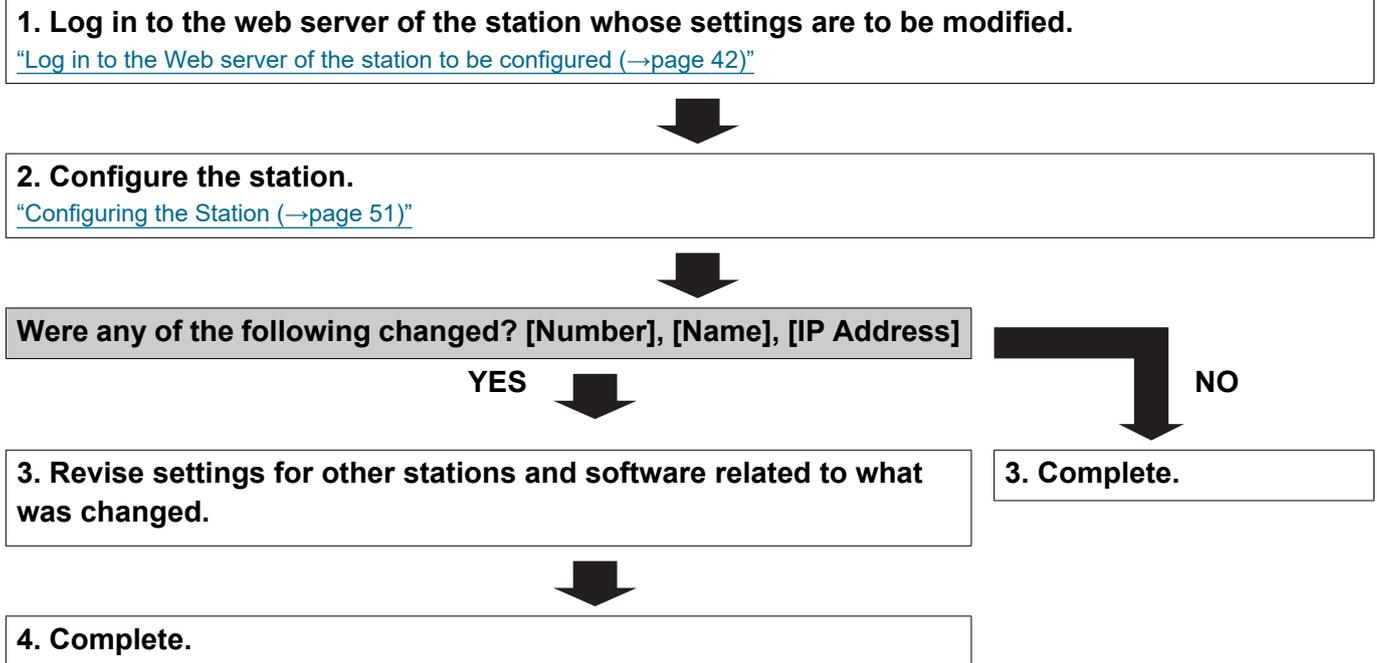
Refer to "Web Setting Manual" for each station.



8. Complete.

4.3.2 Change the settings

Use this flowchart to change the settings.



4.3.3 Add a station

Use this flowchart to add a station.

1. Connect PC to the station to be added.

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

[“Connecting to a PC \(→page 41\)”](#)



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 \(→page 42\)”](#)



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

[“Static / DHCP \(→page 58\)”](#)

The station will be restarted with the assigned IPv6 Address.



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

[“Log in to the Web server of the station to be configured \(→page 42\)”](#)



5. Set “[Language \(→page 54\)](#)”.

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



6. Configure the station.

[“Configuring the Station \(→page 51\)”](#)



7. Add settings data to existing stations if required.



8. Complete.

4.3.4 Delete a station

Use this flowchart to delete a station.

 **Important**

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

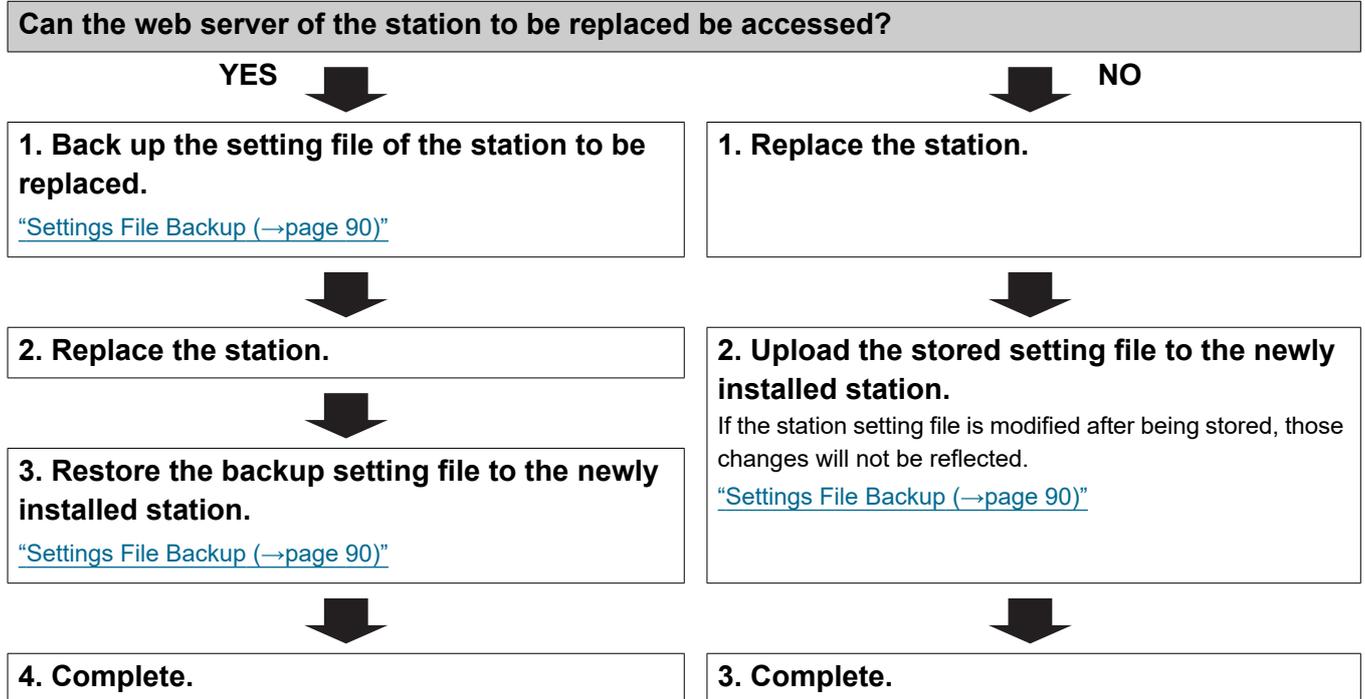
1. Delete the data of the station from all other stations and Support Tool.



2. Complete.

4.3.5 Replace a station

Use this flowchart to replace a station.



4.4 For Stateless IPv6 Address

! Important

- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 90\)”](#).
- 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 \(→page 41\)”](#)



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 \(→page 42\)”](#)



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

[“Static / DHCP \(→page 58\)”](#)

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



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



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





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

[“Log in to the Web server of the station to be configured \(→page 42\)”](#)



8. Set “Language (→page 54)”.

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



9. Configure the station.

[“Configuring the Station \(→page 51\)”](#)

Refer to "Web Setting Manual" for each station.



10. Complete.

4.4.2 Change the settings

Use this flowchart to change the settings.

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

[“Log in to the Web server of the station to be configured \(→page 42\)”](#)



2. Configure the station.

[“Configuring the Station \(→page 51\)”](#)



Were any of the following changed? [Number], [Name], [IP Address]

YES



NO



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

3. Complete.



4. Complete.

4.4.3 Add a station

Use this flowchart to add a station.

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

1. Connect PC to the station to be added.

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

["Connecting to a PC \(→page 41\)"](#)



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 \(→page 42\)"](#)



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

["Static / DHCP \(→page 58\)"](#)

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



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



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

["Log in to the Web server of the station to be configured \(→page 42\)"](#)



6. Set ["Language \(→page 54\)"](#).

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



7. Configure the station.

["Configuring the Station \(→page 51\)"](#)



8. Add settings data to existing stations if required.



9. Complete.

4.4.4 Delete a station

Use this flowchart to delete a station.

 **Important**

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

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

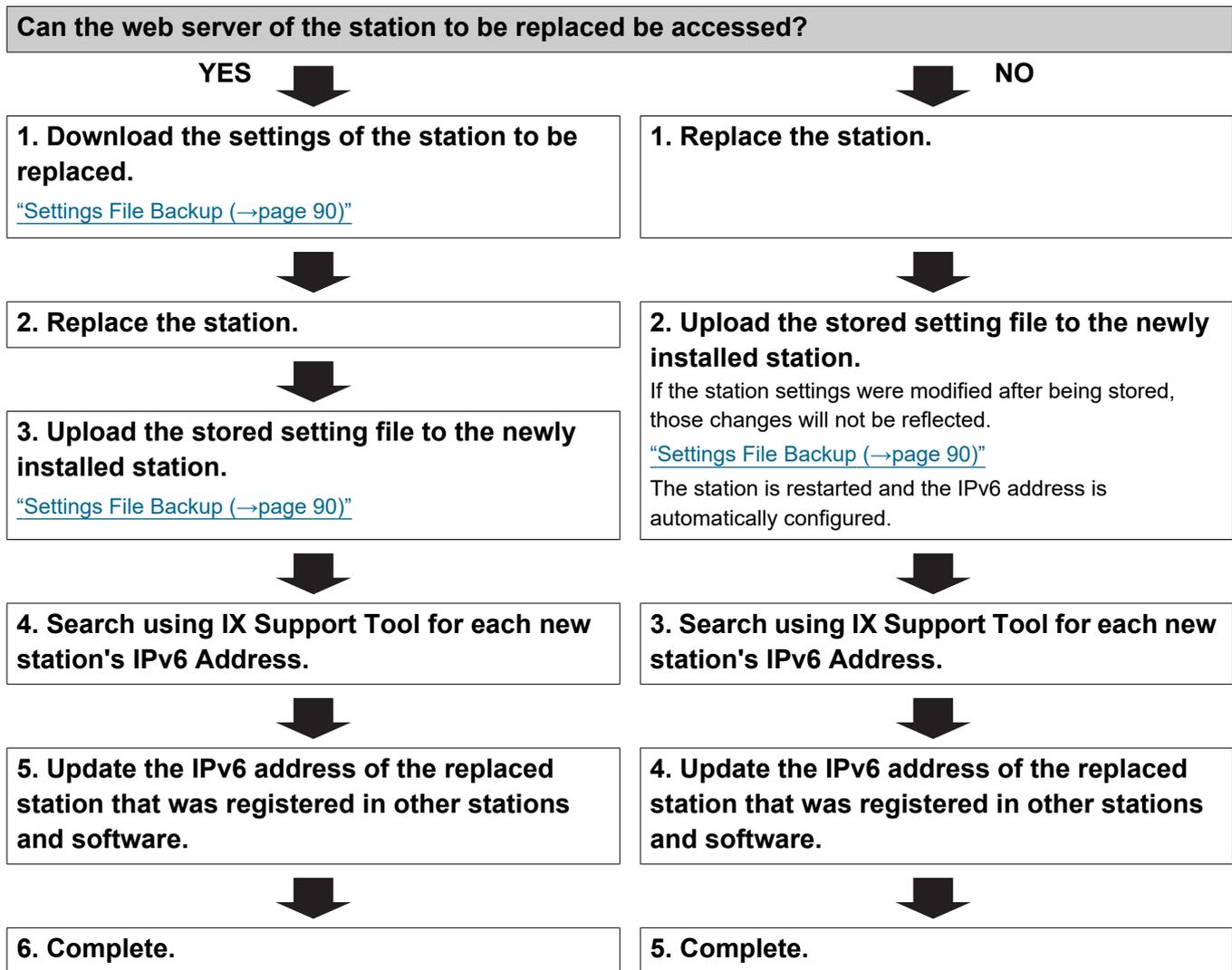


2. Complete.

4.4.5 Replace a station

Use this flowchart to replace a station.

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



4.5 For IPv6 Address with DHCP

! Important

- Save the setting file after configuring the system. Refer to [“Settings File Backup \(→page 90\)”](#).
- 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 \(→page 41\)”](#)



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 \(→page 42\)”](#)



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

[“Static / DHCP \(→page 58\)”](#)

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 to be "IPv6 DHCPv6" 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 \(→page 42\)”](#)





7. Set “[Language \(→page 54\)](#)”.

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



8. Configure the station.

[“Configuring the Station \(→page 51\)”](#)

Refer to "Web Setting Manual" for each station.



9. Complete.

4.5.2 Change the settings

Use this flowchart to change the settings.

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

[“Log in to the Web server of the station to be configured \(→page 42\)”](#)



2. Configure the station.

[“Configuring the Station \(→page 51\)”](#)



Were any of the following changed? [Number], [Name], [IP Address]

YES



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



4. Complete.



NO

3. Complete.

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 \(→page 41\)"](#)



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 \(→page 42\)"](#)



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

["Static / DHCP \(→page 58\)"](#)
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 \(→page 42\)"](#)



6. Set "[Language \(→page 54\)](#)".

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



7. Configure the station.

["Configuring the Station \(→page 51\)"](#)



8. Add settings data to existing stations if required.



9. Complete.

4.5.4 Delete a station

Use this flowchart to delete a station.

 **Important**

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

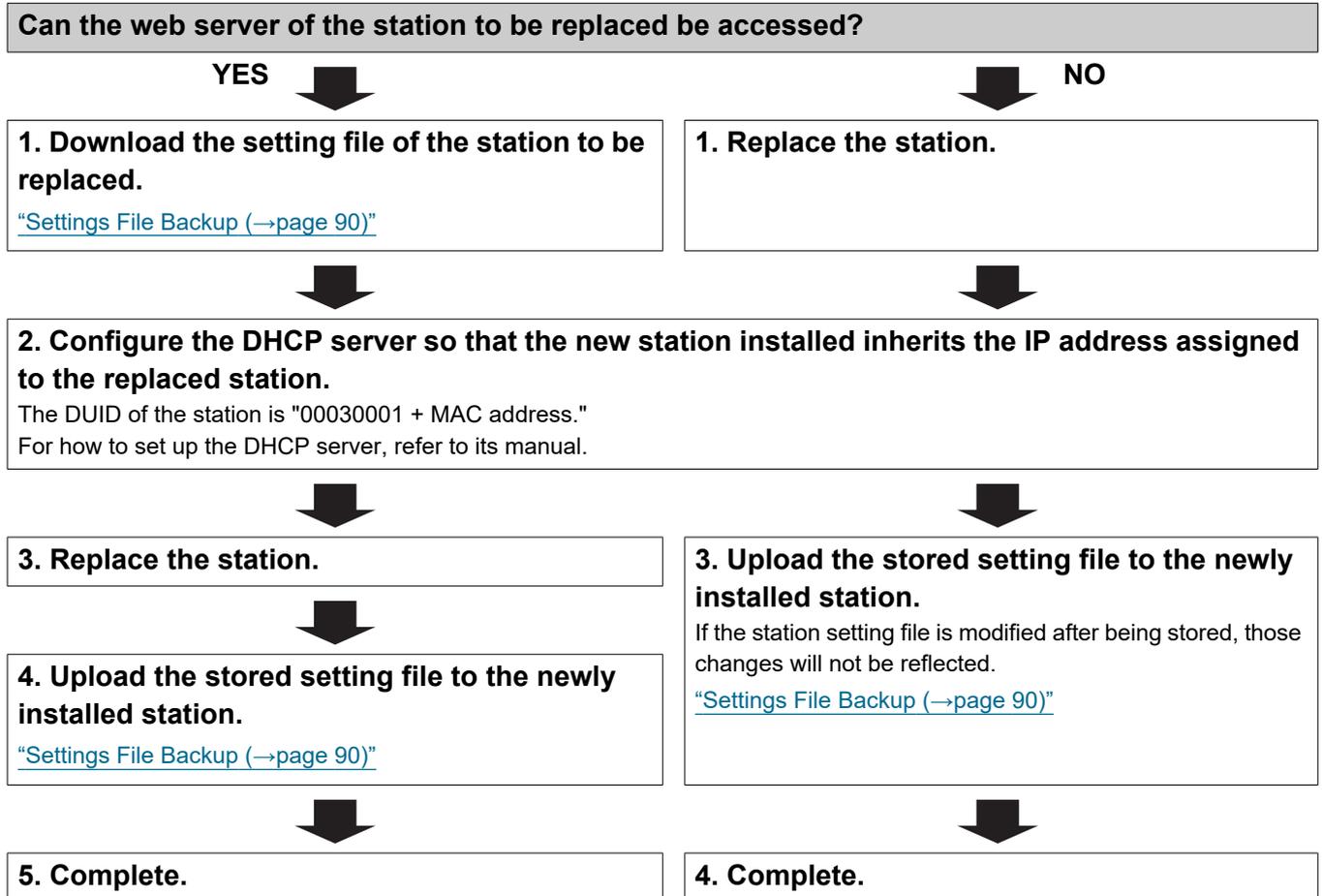
1. Delete the data of the station from all other stations and Support Tool.



2. Complete.

4.5.5 Replace a station

Use this flowchart to replace a station.





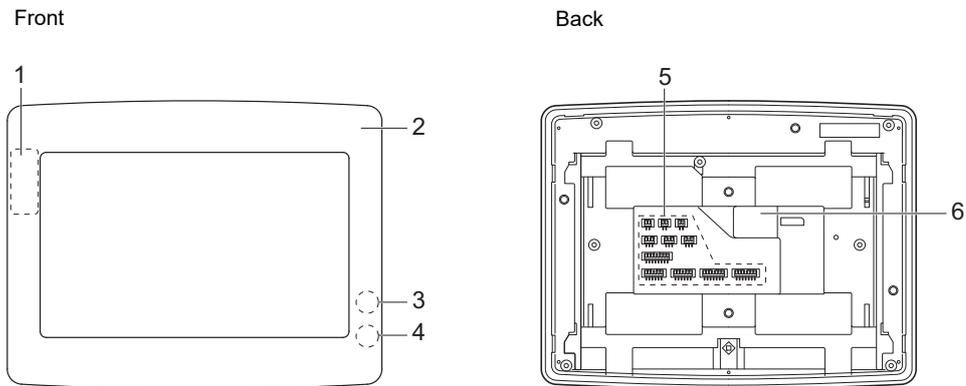
Startup and configuration

1. System requirements

PC requirements

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



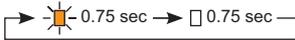
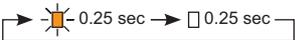
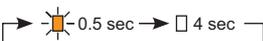
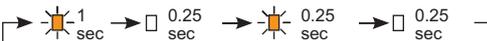
1	MAC address ^{*1}	4	Status indicator (orange/blue) ^{*1}
2	Panel	5	Option connectors
3	Reset button ^{*1*2}	6	LAN port

^{*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

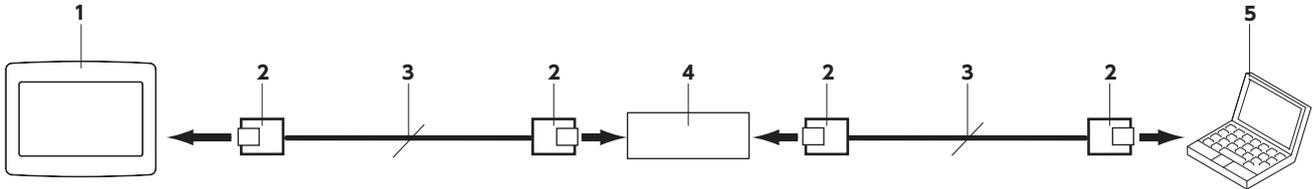
☀: On; □ : Off

Name	Status (pattern)	Description
Status indicator		Booting
		Device error, startup error
		Communication failure
		Firmware version updating
		Initializing
Blue light		Standby

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	IXW-MA	4	PoE compatible switch
2	RJ45	5	PC
3	CAT5e/6 straight cable		

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

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

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

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



Note

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

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



This site is not secure

This might mean that someone's trying to fool you or steal any info you send to the server. You should close this site immediately.

[Go to your Start page](#)

Details

Your PC doesn't trust this website's security certificate.
The hostname in the website's security certificate differs from the website you are trying to visit.

Error Code: DLG_FLAGS_INVALID_CA
DLG_FLAGS_SEC_CERT_CN_INVALID

[Go on to the webpage](#) (Not recommended)



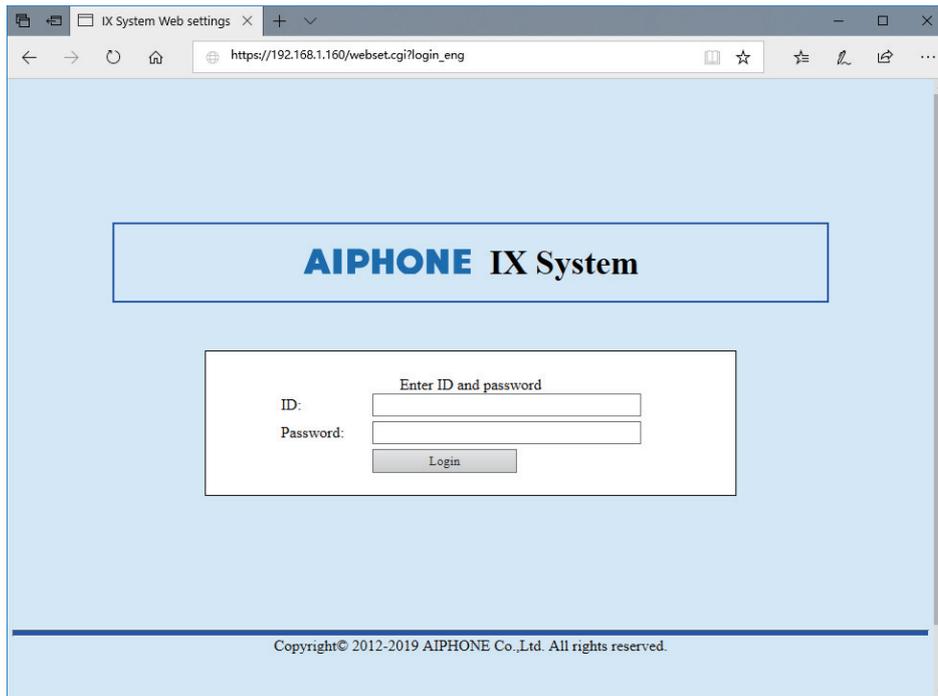
Important

- To prevent the certificate error, perform the procedures described in ["CSR \(→page 83\)"](#) and ["SSL Certificate \(→page 85\)"](#).

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



6. Enter the ID and password.



Types of accounts	Default values
Administrator account	ID: admin Password: admin
User account	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

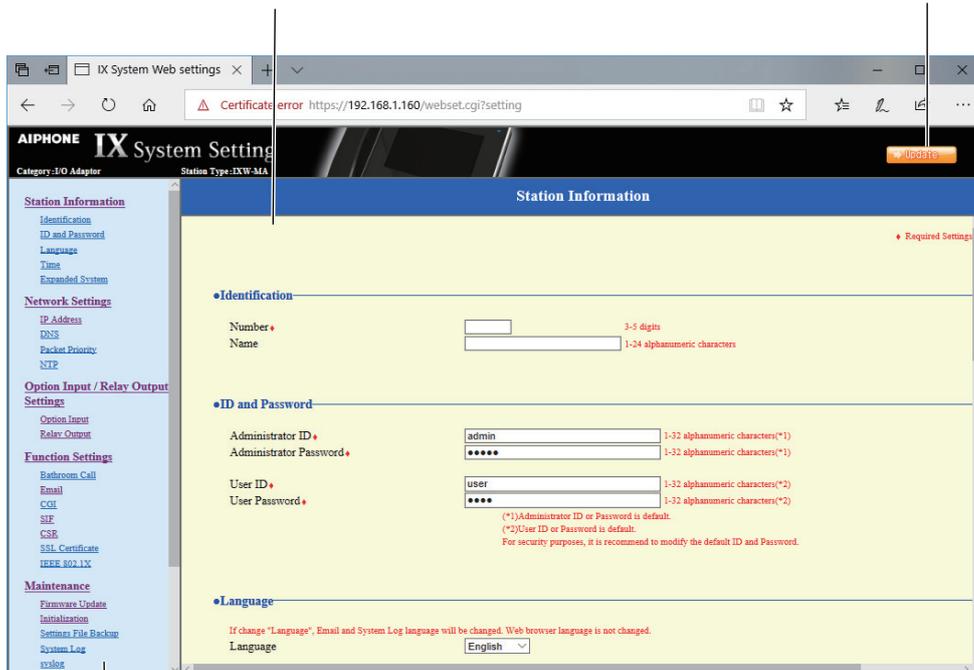
When logging into the web server of the station, the following setting window will be shown. This window will be used to configure the station.

- 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

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

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



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

5.1 How to configure

1. Click the title to be configured.
 - The setting window for that particular title will be displayed.
2. Configure settings for each entry.
3. When configuration is complete in this window, click **[Update]** to update the settings.
 - When the settings are updated, "Settings updated." will be displayed at the top left corner in the window.
 - If 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 settings data and store it at a safe location ([→page 90](#)). Otherwise, it may become impossible to restore the settings after fixing a failure.

Access privileges

A: Administrator

U: User

Entry				Access privileges		Reference Page	
				A	U		
Station Information							
Identification	-	-	Number◆♣	✓		52	
			Name	✓		52	
ID and Password	-	-	Administrator ID◆♣	✓		53	
			Administrator Password◆♣	✓		53	
			User ID◆	✓	✓	53	
			User Password◆	✓	✓	53	
Language	-	-	Language	✓	✓	54	
Time	Time Zone	-	Select time zone	✓	✓	55	
	Daylight Savings Time	-	Enable automatic daylight savings time	✓	✓	55	
	Date and Time	-	Set date and time	✓	✓	56	
Expanded System	-	-	-	✓		57	
Network Settings							
IP Address	Static / DHCP	-	-	✓		58	
	IPv4 Address	-	IP Address◆♣	✓		59	
				Subnet Mask◆	✓		59
				Default Gateway	✓		59
	IPv6 Address	-	IP Address◆♣	✓		59	
				Default Gateway	✓		59
DNS	Primary Server	-	IPv4	✓		60	
			IPv6	✓		60	
	Secondary Server	-	IPv4	✓		60	
			IPv6	✓		60	

Entry				Access privileges		Reference Page
				A	U	
Packet Priority	-	-	VLAN Setting	✓		61
			VLAN ID◆	✓		61
			VLAN Priority	✓		61
NTP	Enable NTP	-	-	✓	✓	62
	Synchronization Interval [hour]◆	-	-	✓		62
	Primary Server	Address	IPv4	✓		62
			IPv6	✓		62
		Port◆	-	✓		63
	Secondary Server	Address	IPv4	✓		63
			IPv6	✓		63
Port◆		-	✓		63	
Option Input / Relay Output Settings						
Option Input	Option Input #	-	Function	✓		64
			Type	✓		64
			Detection Time Range	✓		65
			API 1	✓		65
			API 2	✓		65
Relay Output	Relay Output #	-	Function	✓		67
			Option Relay Control	✓		67
			Output Time Range	✓		67
			Schedule Settings	✓		68
	Option Relay Control Authentication Key	-	-	✓	✓	70
Function Settings						
Bathroom Call (not used)	-	-	-	✓		71

Entry				Access privileges		Reference Page
				A	U	
Email	Server Settings	-	SMTP Server	✓		72
			SMTP Port◆	✓		72
			SMTP Encryption	✓		72
	Authentication Settings	-	SMTP Authentication	✓		73
			Mode	✓		73
			ID	✓		73
			Password	✓		73
	Email Addresses	-	Destination 1	✓	✓	74
			Destination 2	✓	✓	74
			Destination 3	✓	✓	74
			Source Address	✓		74
	Email Event Trigger	-	Error	✓	✓	75
			Station Restarted	✓	✓	75
			Subject	✓	✓	75
	Periodic Log Transmission	-	Periodic Log Transmission	✓	✓	76
			Periodic Log Transmit Time	✓	✓	76
			Periodic Log Transmit Interval	✓	✓	76
			Periodic Log Transmission Subject	✓	✓	76
	Send Test Email	-	-	✓	✓	77
	CGI	CGI Functionality	-	-	✓	
SIF	SIF Functionality	-	-	✓		79
	SIP URI Format	-	-	✓		79
	SIF Settings	-	Program Type	✓		80
			IPv4	✓		80
			IPv6	✓		80
			Destination Port	✓		80
			SSL	✓		80
			Connection	✓		80
	Transmission Trigger	-	Change contact	✓		81
			Unit error	✓		81
			Periodical Transmission	✓		81
			Initialization Notice	✓		81
	Periodical Transmission Interval	-	-	✓		81
SIF File Management	-	SIF Communication Settings (sif.ini)	✓		82	
		SIF Parameter Settings (sif_conf.ini)	✓		82	

Entry				Access privileges		Reference Page
				A	U	
CSR	-	-	Country	✓		83
			State/County/Region	✓		83
			City/Locality	✓		83
			Organization	✓		83
			Organizational Unit	✓		83
			Common Name	✓		84
SSL Certificate	-	-	-	✓		85
IEEE802.1X	-	-	IEEE802.1X	✓		86
			EAP	✓		86
			EAP User Name	✓		86
			EAP Password	✓		86
			Certificate Authority	✓		87
			Client Certificate	✓		87
			Client Private Key	✓		87
Maintenance						
Firmware Update	-	-	-	✓		88
Initialization	-	-	Initialization	✓		89
			Initialize User Settings	✓	✓	89
Settings File Backup	-	-	Download Settings File	✓		90
			Restore Settings File	✓		90
System Log	-	-	Download	✓		91
syslog	-	-	IPv4 Address	✓		92
			IPv6 Address	✓		92
			Port◆	✓		92

Configuring the Station

Important

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

1. Station Information

1.1 Identification

• Identification

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

■ Number ♦♣

Description	Set an unique number for each station.
Settings	3 - 5 digits
Default values	—

■ Name

Description	Set the station name.
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

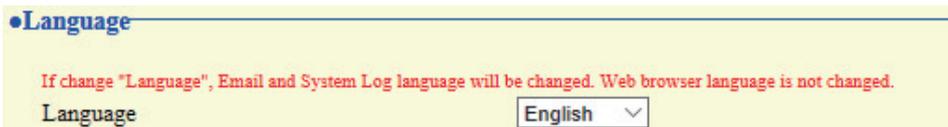
■ User Password ♦

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

Description	<p>Configure the language for the following on the station.</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 55)” .
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 55)” applied
Remarks	The time cannot be updated by pressing [Update] . Press [Apply Time to Station] to update.

1.5 Expanded System

• Expanded System

Enable Disable

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

2. Network Settings

2.1 IP Address

! Important

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

IP Address

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

Static / DHCP IPv4 Static IPv6 Static

IPv4 Address

IP Address* . . . 1.0.0.1-255.255.255.254

Subnet Mask* . . . 128.0.0-255.255.255.255

Default Gateway . . . 1.0.0.1-255.255.255.254

IPv6 Address

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

Default Gateway :FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF

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"> – 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" with a light yellow background. It contains two sections: "Primary Server" and "Secondary Server". Each section has input fields for IPv4 and IPv6 addresses. To the right of each IPv4 field is the text "1.0.0.1-223.255.255.254" in red. To the right of each IPv6 field is the text "::FF:0-FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF" in red.

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 - FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF
Default values	—

2.2.2 Secondary Server

■ IPv4

Description	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 - FE:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF:FF
Default values	—

2.3 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

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 ▼

■ 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 \(→page 61\)](#)" 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

2.4 NTP

The screenshot shows the NTP configuration page. At the top, there is a section for 'NTP' with a title. Below it, there are two radio buttons: 'Yes' and 'No Use', with 'No Use' selected. A 'Synchronization Interval [hour]' field is set to '24'. Below this, there are two sections: 'Primary Server' and 'Secondary Server'. Each section has three input fields: 'Address' (with IPv4 and IPv6 sub-fields), and 'Port'. The IPv4 address field has a hint: '1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)'. The IPv6 address field has a hint: '::FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)'. The port field has a hint: '1-65535'.

2.4.1 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

2.4.2 Synchronization Interval [hour]◆

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

2.4.3 Primary Server

2.4.3.1 Address

■ IPv4

Description	Set the IPv4 Address for NTP Primary Server. Go to “DNS (→page 60)” 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 60)” to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

2.4.3.2 Port

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

2.4.4 Secondary Server

2.4.4.1 Address

■ IPv4

Description	Set the IPv4 address for NTP Secondary Server. Go to “DNS (→page 60)” 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 60)” to set hostname.
Settings	::FF:0 - FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname (1 - 64 alphanumeric characters)
Default values	—

2.4.4.2 Port

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

3. Option Input / Relay Output Settings

3.1 Option Input

3.1.1 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]**.

■ Function

Description	Configure option input function.
Settings	<ul style="list-style-type: none"> • No Function • Bathroom Indicator Reset: Not used. • API: Send CGI command set by "API 1 (→page 65)" and "API 2 (→page 65)".
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

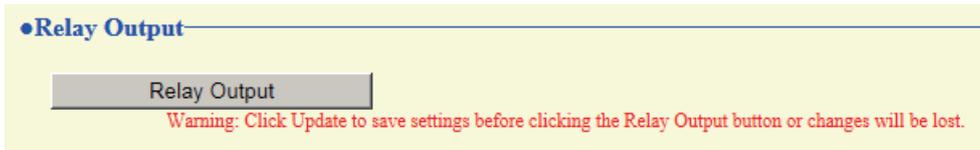
Description	Enter the CGI command sent when "API" is selected in "Function (→page 64)" .
Settings	URL: 1 - 128 alphanumeric characters.
Default values	—

■ API 2

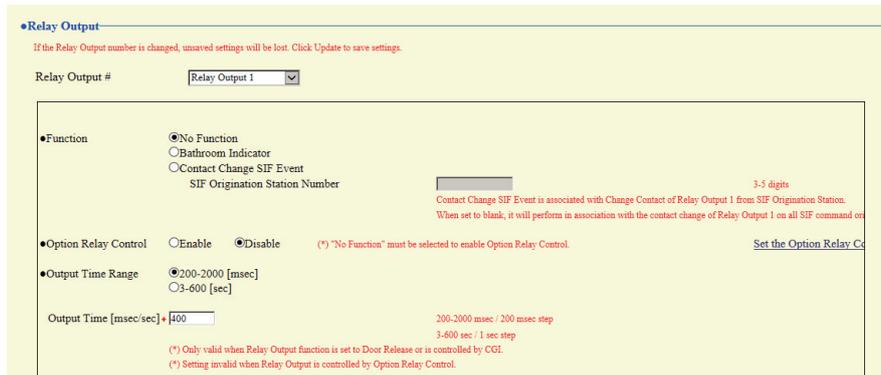
Description	Enter the CGI command sent when "API" is selected in "Function (→page 64)" .
Settings	URL: 1 - 128 alphanumeric characters.
Default values	—

3.2 Relay Output

Click **[Relay Output]**.



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



! Important

- The four relay output methods are shown below. Redundant configuration is possible for each relay output. If multiple commands occur during a single relay output, the last command will take priority.
 - [Function \(→page 67\)](#)
 - [Option Relay Control \(→page 67\)](#)
 - [Schedule Settings \(→page 68\)](#)
 - [CGI \(→page 78\)](#)

3.2.1 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]**.

■ Function

Description	Select the function of the Relay Output.
Settings	<ul style="list-style-type: none"> • No Function • Bathroom Indicator: Not used. • Contact Change SIF Event: Relay output when Contact Change SIF Event is received from another station. Output Time is the same as Option Input Detection Time or Relay Output Time of the SIF command originating station. Configuration can be set in "How to configure Contact Change SIF Event".
Default values	No Function

■ SIF Origination Station Number

Description	If " Function (→page 67) " is set to "Contact Change SIF Event", enter the SIF Origination Station Number.
Settings	3-5 digits
Default values	-

■ Option Relay Control

Description	Select Enable / Disable for Option Relay Control when using the speed dial of IX-MV7-* to control the output. If " Function (→page 67) " is set to "No Function" and this is set to "Enable," this can be controlled as option relay. The output time will be the output time configured in IX-MV7-*.
Settings	<ul style="list-style-type: none"> • Enable • Disable
Default values	Disable

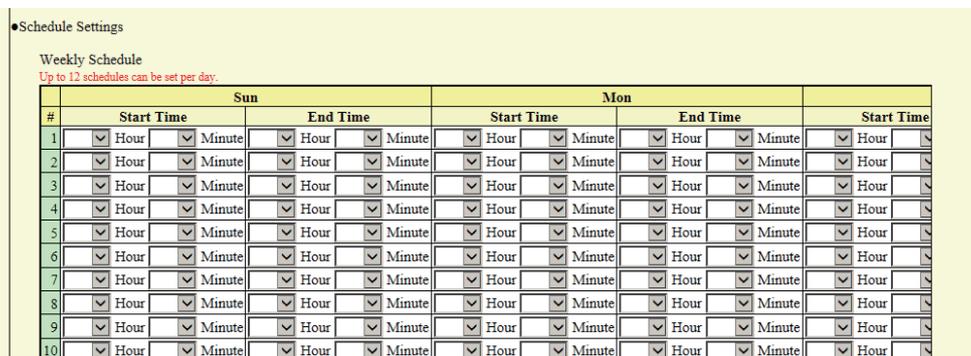
■ Output Time Range

Description	Configure the output time of the relay output when the output terminal is controlled via " CGI (→page 78) ".
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

3.2.1.1 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 68)" , 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.

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

<< January, 2018 >> Calendar

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

Monday, January 1, 2018

0/12 Registered Schedules

Start Time		End Time		Add	(*) Press "Add" button to register.
Hour	Minute	Hour	Minute		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		

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

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

Set schedule list

1. Select the day 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 69)” , 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 \(→page 68\)”](#) to delete weekly schedules.

3.2.2 Option Relay Control Authentication Key

Option Relay Control Authentication Key: 1-20 digits

Description	If “Option Relay Control (→page 67)” is set to "Enable" and "Speed Dials / Favorites" - "TLS" is set to "Enable" on the requesting station, configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station performing the operation, the Relay Output can be controlled.
Settings	1 - 20 digits
Default values	—

 **Note**

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

4. Function Settings

4.1 Bathroom Call

This function cannot be used outside Japan.

4.2 Email

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

Email

Server Settings

SMTP Server 1-255 alphanumeric characters

SMTP Port 1-65535

SMTP Encryption OFF TLS STARTTLS

Authentication Settings

SMTP Authentication Mode ON OFF

LOGIN CRAM-MD5

ID 1-64 alphanumeric characters

Password 1-64 alphanumeric characters

Email Addresses

Destination 1 1-64 alphanumeric characters

Destination 2 1-64 alphanumeric characters

Destination 3 1-64 alphanumeric characters

Source Address 1-64 alphanumeric characters

4.2.1 Server Settings

■ SMTP Server

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

■ SMTP Port◆

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

■ SMTP Encryption

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

4.2.2 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.

4.2.3 Email Addresses

■ Destination 1

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

■ Destination 2

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

■ Destination 3

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

■ Source Address

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

4.2.4 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)
Error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Station Restarted	<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
Error	<input type="text"/>
Station Restarted	<input type="text"/>

1-64 alphanumeric characters

■ 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

■ Subject

Description	Set the Subject of email per Event Trigger.
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."

4.2.5 Periodic Log Transmission

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

■ Periodic Log Transmission

Description	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."

4.2.6 Send Test Email

Send a test email to the destination address specified in ["Email Addresses \(→page 74\)"](#).



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: 010, Station Name: Multi-purpose Adapter 10).

From	△△△△@△△△△△.com
Date and time	15:22 2018/11/20
To CC	xxxx@xxxxx.com
Subject	010 Multi-purpose Adapter 10 Test Email
Text	Test Email sent at "20181120 15:22:46." Station Number: [010] Station Name: [Multi-purpose Adapter 10]

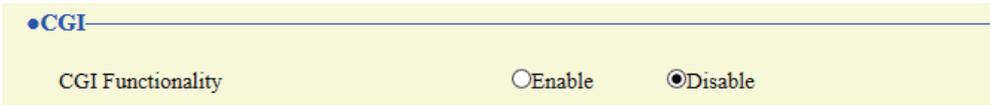
Note

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

4.3 CGI

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

4.3.1 CGI Functionality



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.

4.4 SIF

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

•SIF

SIF Functionality Enable Disable
 SIP URI Format Enable Disable

SIF Settings

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

4.4.1 SIF Functionality

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

4.4.2 SIP URI Format

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

4.4.3 SIF Settings

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

 **Note**

- There are two ways to configure SIF communication: manually configuring settings or uploading a file in [“SIF Communication Settings \(sif.ini\) \(→page 82\)”](#). 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 81)” setting will be disabled.
Default values	—

■ IPv4

Description	Set the SIF IPv4 destination address. Go to “DNS (→page 60)” 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 60)” 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	-

4.4.4 Transmission Trigger

Configure the SIF sending trigger when [“Program Type \(→page 80\)”](#) 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
Change contact	<input type="checkbox"/>															
Unit error	<input type="checkbox"/>															
Periodical Transmission	<input type="checkbox"/>															
Initialization Notice	<input type="checkbox"/>															

■ 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

■ Periodical Transmission

Description	Periodically send the station status using SIF command. The interval is set in “Periodical Transmission Interval (→page 81)” .
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

4.4.5 Periodical Transmission Interval

Periodical Transmission Interval

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

■ Periodical Transmission Interval◆

Description	Set the interval to send the station status periodically using SIF command in “Periodical Transmission (→page 81)” .
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)

4.4.6 SIF File Management



■ SIF Communication Settings (sif.ini)

Description	Upload or download the content in “SIF Settings (→page 80)” 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 80)” 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	—

4.5 CSR

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

Country (*)	<input type="text"/>	The two-letter code
State/County/Region (*)	<input type="text"/>	1-128 alphanumeric characters
City/Locality	<input type="text"/>	1-128 alphanumeric characters
Organization (*)	<input type="text"/>	1-64 alphanumeric characters
Organizational Unit	<input type="text"/>	1-64 alphanumeric characters
Common Name	192.168.1.160	1-64 alphanumeric characters

(*)Required for CSR.

Create

How to generate a signature request (CSR)

1. Enter each item.
2. Click **[Create]**.
3. Specify the 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 code
Default values	-

■ State/County/Region

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

■ City/Locality

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

■ Organization

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

■ Organizational Unit

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

Common Name

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

4.6 SSL Certificate

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



The screenshot shows a web interface titled "SSL Certificate". It contains two input fields: "Server Certificate" and "CA Certificate". Each field has a "Browse..." button to its right. Below the "CA Certificate" field, there is an "Upload" button.

! Important

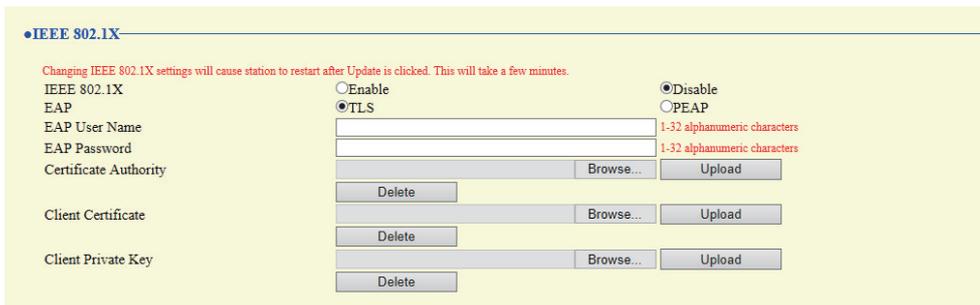
- When uploading the SSL certificate, restart the station. This may take approx. 10 minutes in total. The station will not function until complete.

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.

4.7 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 86) " 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	—

5. Maintenance

5.1 Firmware Update

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



How to update the firmware

1. Click **[Browse]** and select the firmware to be updated.
2. Click **[Firmware Update]**.

Important

- If the firmware update is started while the station is operating (such as on a call), the operation will end and the firmware update will begin.
- If power is turned off while updating the firmware, the station may malfunction.
- The station will be inoperable while updating the firmware.
- Once the firmware is updated, the station will restart. In some cases, it may take around 10 minutes for the station to restart.

Note

- If the update fails, repeat the procedure.

5.2 Initialization



How to initialize

1. Click **[Initialization]** or **[Initialize User Settings]**.
 - Initialization: All settings revert to their default values. The system log is 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.

5.3 Settings File Backup

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

How to back up the setting file

! Important

- When a setting is changed, back up the setting file. With the backup setting file, the settings of a replaced station can easily be restored.
- The following items are not backed up. Save them separately from setting file.
 - SIF data uploaded in [“SIF \(→page 79\)”](#)
 - Certificate data uploaded in [“SSL Certificate \(→page 85\)”](#)
 - Certificate and other data uploaded in [“IEEE 802.1X \(→page 86\)”](#)

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



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

How to restore setting file

! Important

- When setting data is restored (including updating the IP address), the station will restart. This may take approx. 10 minutes in total.
- Data for the following items cannot be restored using this procedure. Instead, upload from each item.
 - SIF data uploaded in [“SIF \(→page 79\)”](#)
 - Certificate data uploaded in [“SSL Certificate \(→page 85\)”](#)
 - Certificate data and the like uploaded in [“IEEE 802.1X \(→page 86\)”](#)

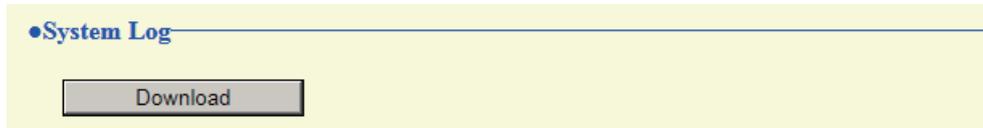
1. Click **[Browse]**.



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.

5.4 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 location to store the setting file.
 - The default file name is "systemlog.txt." Change the file name if needed.

5.5 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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